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EXHIBIT N4

DISCHARGE MONITORING REPORTS  
PWD NORTHEAST WATER POLLUTION CONTROL PLANT

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The ARAMARK Tower  
1101 Market Street  
Philadelphia, Pennsylvania 19107-2994

DEBRA MCCARTY  
Commissioner

February 25, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for January 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Submitted By :** Mary Ellen Senss

**Submission Id :** 11971

**Submission Status :** Received

**Facility Name :** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number :** PA0026689

**Report Type :** Monthly

**Monitoring Report Period :** 01/01/2016-01/31/2016

**Monitoring Report Due Date :** 02/28/2016

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for January 2016

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT

## NEWPCP - JANUARY 2016

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	LBS

F	01/01/2016	133	136	2	99	2,226		125	5	96	5,564	
S	01/02/2016	136	187	3	98	3,409		140	3	98	3,409	
Su	01/03/2016	140	169	2	99	2,332		145	4	97	4,663	
M	01/04/2016	137	224	5	98	5,697		149	2	99	2,279	10
T	01/05/2016	136	165	2	99	2,275		145	2	99	2,275	
W	01/06/2016	141	187	2	99	2,350		146	3	98	3,526	8
Th	01/07/2016	141	194	2	99	2,358		142	3	98	3,537	
F	01/08/2016	140	252	1	100	1,170		168	3	98	3,509	
S	01/09/2016	183	225	6	97	9,170		122	9	93	13,755	
Su	01/10/2016	229	120	3	98	5,739		101	7	93	13,392	
M	01/11/2016	159	134	3	98	3,975		115	3	97	3,975	9
T	01/12/2016	154	172	1	99	1,283		135	2	99	2,566	
W	01/13/2016	149	165	3	98	3,737		136	3	98	3,737	8
Th	01/14/2016	147	244	2	99	2,445		155	3	98	3,668	
F	01/15/2016	171	184	4	98	5,688		123	5	96	7,110	
S	01/16/2016	165	166	3	98	4,129		126	5	96	6,881	
Su	01/17/2016	154	169	3	98	3,849		119	5	96	6,415	
M	01/18/2016	153	178	3	98	3,831		140	3	98	3,831	9
T	01/19/2016	148	217	3	99	3,704		137	3	98	3,704	
W	01/20/2016	154	172	1	99	1,281		146	2	99	2,562	9
Th	01/21/2016	154	187	2	99	2,566		126	3	98	3,849	
F	01/22/2016	154	207	3	99	3,850		145	3	98	3,850	
S	01/23/2016	158	173	5	97	6,569		134	4	97	5,255	
Su	01/24/2016	164	209	3	99	4,106		139	5	96	6,843	
M	01/25/2016	168	235	2	99	2,809		139	4	97	5,617	10
T	01/26/2016	206	174	7	96	12,033		118	5	96	8,595	
W	01/27/2016	197	187	7	96	11,524		116	5	96	8,231	11
Th	01/28/2016	169	258	4	98	5,652		159	4	97	5,652	
F	01/29/2016	143	249	3	99	3,576		132	3	98	3,576	
S	01/30/2016	132	159	3	98	3,300		119	4	97	4,400	
Su	01/31/2016	150	172	5	97	6,258		134	4	97	5,006	

TOTAL	4,866	5,870						4,176	119			
AVERAGE	157	189	3	98	4,287			135	4	97	5,201	9

Wk1	146	202	3	99	3,622			145	4		4,792	
Wk2	168	169	3	98	3,857			127	4		5,904	
Wk3	153	186	3	98	3,664			135	3		4,209	
Wk4	169	210	4	98	6,143			132	4		6,131	

MAX 229

CBOD 20 LBS-- 12,232

NPDES/D	MO	<30	>85	<52,540				<25	>86	<36,430
LIMITS	WK	<45		<78,810				<40		<54,645

CBOD 20 LBS-- <71,760

- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - JANUARY 2016**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
F 01/01/2016	133	6.9	6.9	6.55	0.40	3		
S 01/02/2016	136	7.0	6.9	6.6	0.48	2		
Su 01/03/2016	140	6.9	6.9	5.5	0.45	6		
M 01/04/2016	137	7.0	6.9	4.8	0.38	4		
T 01/05/2016	136	6.9	6.9	5.5	0.18	64		
W 01/06/2016	141	6.9	6.9	4.8	0.23	18		
Th 01/07/2016	141	6.9	6.8	6.0	0.23	14		
F 01/08/2016	140	6.9	6.9	6.4	0.24	9		
S 01/09/2016	183	6.8	6.8	6.5	0.23	5		
Su 01/10/2016	229	6.5	6.5	5.0	0.38	118		
M 01/11/2016	159	6.8	6.8	6.4	0.21	34		
T 01/12/2016	154	6.9	6.9	6.5	0.29	6		
W 01/13/2016	149	7.0	6.9	6.6	0.23	25		
Th 01/14/2016	147	6.9	6.8	6.4	0.21	13		
F 01/15/2016	171	6.9	6.9	6.5	0.18	10		
S 01/16/2016	165	6.7	6.7	6.0	0.21	33		
Su 01/17/2016	154	6.8	6.8	6.0	0.24	6		
M 01/18/2016	153	6.9	6.8	5.9	0.26	13		
T 01/19/2016	148	6.9	6.8	6.0	0.20	30		
W 01/20/2016	154	6.7	6.7	6.6	0.33	10		
Th 01/21/2016	154	6.8	6.8	6.2	0.32	13		
F 01/22/2016	154	6.8	6.8	6.6	0.23	46		
S 01/23/2016	158	6.8	6.8	7.0	0.21	11		
Su 01/24/2016	164	6.7	6.8	NS	0.24	22		
M 01/25/2016	168	6.7	6.7	6.5	0.22	35		
T 01/26/2016	206	6.9	6.9	6.6	0.18	51		
W 01/27/2016	197	6.8	6.6	6.5	0.20	45		
Th 01/28/2016	169	6.5	6.6	6.6	0.21	72		
F 01/29/2016	143	6.7	6.7	6.5	0.25	16		
S 01/30/2016	132	6.8	6.8	6.8	0.25	6		
Su 01/31/2016	150	6.7	6.8	6.6	0.24	7		
TOTAL	4,866	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	157	6.5	7.0	4.8	6.2	0.26	0.48	MEAN
								15

Wk1 146  
Wk2 168  
Wk3 153  
Wk4 169

142  
**MAX**

229  
EFFLUENT  
NPDES/D  
LIMITS

0.475

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - JANUARY 2016  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
01/01/2016	0.35	0.45	0.40	6.5	6.6	6.6	6	1	3
01/02/2016	0.42	0.53	0.48	6.6	6.5	6.6	4 <	1	2
01/03/2016	0.39	0.51	0.45	5.6	5.3	5.5	10	4	6
01/04/2016	0.40	0.35	0.38	4.7	4.9	4.8	2	6	4
01/05/2016	0.18	0.18	0.18	5.5	5.5	5.5	102	40	64
01/06/2016	0.25	0.20	0.23	4.6	4.9	4.8	14	23	18
01/07/2016	0.26	0.19	0.23	6.0	6.0	6.0	6	32	14
01/08/2016	0.28	0.20	0.24	6.3	6.4	6.4	9	9	9
01/09/2016	0.25	0.21	0.23	6.4	6.6	6.5	3	7	5
01/10/2016	0.50	0.26	0.38	5.1	4.8	5.0	30	461	118
01/11/2016	0.20	0.22	0.21	6.4	6.4	6.4	36	32	34
01/12/2016	0.26	0.32	0.29	6.4	6.5	6.5	10	4	6
01/13/2016	0.17	0.28	0.23	6.6	6.6	6.6	40	16	25
01/14/2016	0.22	0.19	0.21	6.3	6.4	6.4	12	15	13
01/15/2016	0.16	0.20	0.18	6.4	6.5	6.5	15	6	10
01/16/2016	0.15	0.26	0.21	6.0	5.9	6.0	63	17	33
01/17/2016	0.20	0.27	0.24	6.0	5.9	6.0	11	3	6
01/18/2016	0.20	0.32	0.26	6.0	5.7	5.9	25	7	13
01/19/2016	0.13	0.26	0.20	6.1	5.9	6.0	105	9	30
01/20/2016	0.39	0.27	0.33	6.5	6.6	6.6	6	15	10
01/21/2016	0.40	0.24	0.32	6.2	6.2	6.2	7	22	13
01/22/2016	0.20	0.25	0.23	6.5	6.6	6.6	102	21	46
01/23/2016	0.21	0.21	0.21	7.0	7.0	7.0	17	8	11
01/24/2016	0.23	0.25	0.24	NS	NS	NS	28	18	22
01/25/2016	0.18	0.25	0.22	6.4	6.5	6.5	68	18	35
01/26/2016	0.16	0.19	0.18	6.6	6.6	6.6	84	31	51
01/27/2016	0.19	0.20	0.20	6.4	6.5	6.5	52	39	45
01/28/2016	0.20	0.21	0.21	6.6	6.6	6.6	68	78	72
01/29/2016	0.23	0.27	0.25	6.4	6.5	6.5	34	7	16
01/30/2016	0.21	0.28	0.25	6.8	6.7	6.8	7	5	6
01/31/2016	0.26	0.21	0.24	6.5	6.6	6.6	6	8	7
Avg	0.25	0.27	0.26	6.2	6.2	6.2	18	12	15

**PERMIT  
NEWPCP - JANUARY 2016**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
01/01/2016			
01/02/2016			
01/03/2016			
01/04/2016	152	10	93%
01/05/2016			
01/06/2016	157	9	94%
01/07/2016			
01/08/2016			
01/09/2016			
01/10/2016			
01/11/2016	136	7	95%
01/12/2016			
01/13/2016	141	7	95%
01/14/2016			
01/15/2016			
01/16/2016			
01/17/2016			
01/18/2016	146	12	92%
01/19/2016			
01/20/2016	132	7	95%
01/21/2016			
01/22/2016			
01/23/2016			
01/24/2016			
01/25/2016	147	9	94%
01/26/2016			
01/27/2016	131	7	95%
01/28/2016			
01/29/2016			
01/30/2016			
01/31/2016			
AVG	143	9	94%

DESIGN - 210 MGD

NEWPCP - JANUARY 2016						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
01/01/2016	39	74	20	133	177	
01/02/2016	40	76	21	136	174	
01/03/2016	40	78	21	140	177	
01/04/2016	39	77	21	137	170	
01/05/2016	38	77	21	136	169	
01/06/2016	40	72	29	141	185	
01/07/2016	40	71	30	141	172	
01/08/2016	42	68	31	140	240	
01/09/2016	47	94	42	183	397	T
01/10/2016	58	131	41	229	372	0.63
01/11/2016	42	88	29	159	203	
01/12/2016	41	82	30	154	213	T
01/13/2016	40	81	29	149	191	
01/14/2016	41	77	29	147	189	
01/15/2016	49	83	39	171	301	0.16
01/16/2016	50	85	31	165	207	0.20
01/17/2016	42	82	30	154	200	0.04
01/18/2016	42	82	29	153	190	
01/19/2016	41	79	29	148	181	
01/20/2016	39	85	29	154	182	
01/21/2016	39	84	31	154	183	
01/22/2016	39	84	31	154	178	0.20
01/23/2016	40	84	34	158	213	1.40
01/24/2016	43	88	34	164	222	
01/25/2016	45	88	35	168	227	
01/26/2016	54	106	45	206	276	
01/27/2016	56	102	40	197	265	T
01/28/2016	47	88	34	169	211	
01/29/2016	44	66	33	143	257	T
01/30/2016	44	57	32	132	199	
01/31/2016	51	64	35	150	224	
TOTAL	1,350	2,551	964	4,866		2.63
AVG	44	82	31	157		
		MIN		132	169	
		MAX		229	397	

\* ADJUSTED FOR RECYCLE.



PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JANUARY 2016

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
01/06/2016	0.726	2.982	6.20	7.50	0.664
01/11/2016	0.465	1.889	5.20	6.90	0.485
01/13/2016	0.682	3.032	5.50	7.00	0.328
01/15/2016	N.M	N.M	N.M	N.M	0.342
01/20/2016	0.472	2.540	7.30	8.60	0.485
01/25/2016	0.411	1.957	7.70	9.50	0.267
01/27/2016	0.455	1.816	7.10	8.20	0.379
01/29/2016	0.451	1.720	6.10	7.60	0.179
AVG	0.523	2.277	6.44	7.90	0.391
MAX	0.726	3.032	7.70	9.50	0.664

**Cyanide and Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
01/11/2016	< 0.040
01/13/2016	< 0.040
01/25/2016	< 0.040
01/27/2016	< 0.040
01/29/2016	< 0.040
AVG	< 0.040

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	01/11/2016	01/13/2016	01/15/2016	01/25/2016	01/27/2016	01/13/2016	AVG
Copper	0.0060	0.0050	0.0050	0.0050	0.0060	0.0050	0.0053
Iron	0.3950	0.1160	0.1080	0.1450	0.2010	0.1390	0.1840
Iron Dissolved	0.0710			0.0470	0.0470	0.0420	0.0518
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	0.0440	0.0470	0.0470	0.0340	0.0340	0.0370	0.0405

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	AVG
1,2-Dichloroethane	< 0.0025
3,3-Dichlorobenzidine	0.0050
alpha-BHC	< 0.000088
Benzidine	0.0580
Beta-BHC	0.000088
Chlordane	0.0004350
Chloroform	< 0.0026
Chlorodibromomethane	< 0.0025
Dieldrin	< 0.0000175
Endrin	0.0000175
Heptachlor	< 0.000088
p,p'-DDD	0.0000175
p,p'-DDE	0.0000175
p,p'-DDT	0.0000175
Lindane(Gamma-BHC)	0.000088
Tetrachloroethylene	< 0.0025
Trichloroethylene	< 0.0025

Note: For Organic Result for January 2016, please refer to Organic Section of NEWPCP BLS Data

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JANUARY 2016

Central Laboratory

Organics Data (mg/L)  
Northeast WPCP - Outfall

Date	01/10/2016	01/11/2016	01/12/2016	01/13/2016	01/14/2016	01/15/2016	01/24/2016	01/25/2016	01/26/2016	01/27/2016	01/28/2016	01/29/2016	AVG
1,2-Dichloroethane	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
3,3-Dichlorobenzidine		NR						< 0.0050		< 0.0050		< 0.0050	< 0.0050
alpha-BHC		NR						< 0.0000081		< 0.0000094		< 0.0000094	< 0.0000088
Benzidine		NR						< 0.0590		< 0.0570		< 0.0570	< 0.0580
Beta-BHC		NR						< 0.0000081		< 0.0000094		< 0.0000094	0.000088
Chlordane		NR						< 0.0004000		< 0.0004700		< 0.0004700	0.0004350
Chloroform	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0030	< 0.0025	< 0.0028	< 0.0025	< 0.0025		< 0.0026
Chlorodibromomethane	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025		< 0.0025
Dieldrin		NR						< 0.0000160		< 0.0000190		< 0.0000190	< 0.0000175
Endrin		NR						< 0.0000160		< 0.0000190		< 0.0000190	0.0000175
Heptachlor		NR						< 0.0000081		< 0.0000094		< 0.0004700	< 0.000088
p,p'-DDD		NR						< 0.0000160		< 0.0000190		< 0.0000190	0.0000175
p,p'-DDE		NR						< 0.0000160		< 0.0000190		< 0.0000190	0.0000175
p,p'-DDT		NR						< 0.0000160		< 0.0000190		< 0.0000190	0.0000175
Lindane(Gamma-BHC)		NR						< 0.0000081		< 0.0000094		< 0.0000094	0.000088
Tetrachloroethylene	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025		< 0.0025
Trichloroethylene	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025		< 0.0025

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF JANUARY 2016**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**01/29/2016**

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic		1
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic		1

## BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
JANUARY 2016	Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP	Sludge Processed by Biosolids Recycle Center / Synagro	DT	Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP	Sludge Processed by Biosolids Recycle Center / Synagro	DT
	MGD	MGD		MGD	MGD	
01/01/2016	0.000	0.000	0	0.872	1.691	158.4
01/02/2016	1.764	1.790	159	0.665	0.425	34.8
01/03/2016	0.931	0.954	71	0.912	1.100	87.3
01/04/2016	0.935	0.862	67	1.068	0.639	81.6
01/05/2016	0.000	0.000	0	1.017	1.005	98.7
01/06/2016	0.917	0.304	21	1.078	0.706	69.4
01/07/2016	0.928	1.296	99	0.067	0.000	0.0
01/08/2016	0.885	0.778	58	0.609	1.082	101.6
01/09/2016	0.872	1.109	93	0.963	0.635	43.7
01/10/2016	0.874	0.746	60	1.633	1.450	106.6
01/11/2016	0.911	0.898	74	1.094	1.218	89.9
01/12/2016	0.914	1.009	77	0.300	0.694	50.5
01/13/2016	0.915	0.934	128	0.822	0.628	45.2
01/14/2016	0.894	0.748	94	1.008	1.025	91.4
01/15/2016	0.908	1.017	117	0.419	0.620	49.2
01/16/2016	0.894	0.556	46	1.390	0.934	77.8
01/17/2016	0.907	0.980	74	1.487	1.566	114.3
01/18/2016	0.904	1.014	81	1.092	1.553	139.3
01/19/2016	0.882	0.759	62	1.466	1.115	91.4
01/20/2016	0.913	1.136	89	0.829	0.584	38.4
01/21/2016	0.904	1.200	97	0.727	0.763	46.0
01/22/2016	0.877	0.000	0	2.633	2.812	192.3
01/23/2016	0.000	0.611	48	1.000	0.978	82.5
01/24/2016	0.881	1.114	106	0.945	0.748	77.4
01/25/2016	0.927	0.969	77	0.929	1.424	135.9
01/26/2016	0.915	0.918	73	1.142	1.182	107.4
01/27/2016	0.911	0.831	60	1.135	0.977	124.2
01/28/2016	0.973	0.713	62	1.155	1.067	76.8
01/29/2016	0.869	1.026	89	1.172	1.464	103.6
01/30/2016	0.920	1.115	98	1.265	1.370	99.3
01/31/2016	0.903	0.922	76	0.975	1.051	86.3
<b>TOTAL</b>	26.227	26.310	2,259	31.869	32.506	2,701
<b>AVERAGE</b>	0.846	0.849	73	1.028	1.049	87

## BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
JANUARY 2016	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD	
01/01/2016	0.000	0.000	0	0.872	1.691	158.4
01/02/2016	1.764	1.790	159	0.665	0.425	34.8
01/03/2016	0.931	0.954	71	0.912	1.100	87.3
01/04/2016	0.935	0.862	67	1.068	0.639	81.6
01/05/2016	0.000	0.000	0	1.017	1.005	98.7
01/06/2016	0.917	0.304	21	1.078	0.706	69.4
01/07/2016	0.928	1.296	99	0.067	0.000	0.0
01/08/2016	0.885	0.778	58	0.609	1.082	101.6
01/09/2016	0.872	1.109	93	0.963	0.635	43.7
01/10/2016	0.874	0.746	60	1.633	1.450	106.6
01/11/2016	0.911	0.898	74	1.094	1.218	89.9
01/12/2016	0.914	1.009	77	0.300	0.694	50.5
01/13/2016	0.915	0.934	128	0.822	0.628	45.2
01/14/2016	0.894	0.748	94	1.008	1.025	91.4
01/15/2016	0.908	1.017	117	0.419	0.620	49.2
01/16/2016	0.894	0.556	46	1.390	0.934	77.8
01/17/2016	0.907	0.980	74	1.487	1.566	114.3
01/18/2016	0.904	1.014	81	1.092	1.553	139.3
01/19/2016	0.882	0.759	62	1.466	1.115	91.4
01/20/2016	0.913	1.136	89	0.829	0.584	38.4
01/21/2016	0.904	1.200	97	0.727	0.763	46.0
01/22/2016	0.877	0.000	0	2.633	2.812	192.3
01/23/2016	0.000	0.611	48	1.000	0.978	82.5
01/24/2016	0.881	1.114	106	0.945	0.748	77.4
01/25/2016	0.927	0.969	77	0.929	1.424	135.9
01/26/2016	0.915	0.918	73	1.142	1.182	107.4
01/27/2016	0.911	0.831	60	1.135	0.977	124.2
01/28/2016	0.973	0.713	62	1.155	1.067	76.8
01/29/2016	0.869	1.026	89	1.172	1.464	103.6
01/30/2016	0.920	1.115	98	1.265	1.370	99.3
01/31/2016	0.903	0.922	76	0.975	1.051	86.3
<b>TOTAL</b>	26.227	26.310	2,259	31.869	32.506	2,701
<b>AVERAGE</b>	0.846	0.849	73	1.028	1.049	87

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

**HEADER INFORMATION**

<b>Facility ID:</b>	479063	<b>Facility Name:</b>	PHILA WATER DEPT - NORTHEAST WPC PLANT	<b>Location Address:</b>	3899 RICHMOND ST, PHILADELPHIA PA, 19137
<b>Permit Number:</b>	PA0026689	<b>Monitoring Period:</b>	01/01/2016-01/31/2016	<b>Mailing Address:</b>	1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994

**PARAMETERS REPORTED VALUES**

Sampling Point		001		Stage Code		Final Effluent		No Discharge Indicator	N	
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
Dissolved Oxygen	Sample Measurement	***	***	***	4.8	6.2	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.5	***	7.0	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	4287	6143	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	6.44	7.70	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.523	.726	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	2.277	3.032	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	7.90	9.50	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.391	.664	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	<.0026	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	.040	***	mg/L	24-Hr Composite	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0053	***	mg/L	24-Hr Composite	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.1840	***	mg/L	24-Hr Composite	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

Iron, Dissolved	Sample Measurement	***	***	***	***	.0518	***	mg/L	24-Hr Composite	4/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0405	***	mg/L	24-Hr Composite	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	157	229	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.26	.48	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	15	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	5201	6131	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	12232	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>ATTACHMENT DETAILS</b>			
<b>File Name</b>	<b>Attachment Type</b>	<b>Uploaded Time</b>	<b>Attachment Comment</b>
NE Daily Composite (02-25-2016).pdf	Laboratory Accreditation Form	2016-02-25T10:47:34-05:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	B37ABD3A614B56BC40525828725D8232B60092DFBB96815D68F315CEC01D02A3630CE7DF598B621FEB40487FB288350E3E2678065EDAEBFFB0D90F5F887F9E5C		
NE Daily Special (02-25-2016).pdf	Laboratory Accreditation Form	2016-02-25T10:49:31-05:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	C2B55C8C5A798F75C93323341436E55230170D155489F59D754F502CCC4E8900E402C4C4C9A4043EA5C5A28E502784B56C97F73DCAC42411090D5D45A29F797F		
WW NPDES Monthly Influent Composite (02-25-2016).pdf	Laboratory Accreditation Form	2016-02-25T10:51:49-05:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	22E8CA537AA5A0AF8FB455EBA4BCC293EB8A0E42C54BCA44BF9618014AEA61F97EF399F28A1D0219716092CD3DA7BD80B542D0A489C3B8E8DA46219BD9AE1A19		
BLSNE201601.xls	Nutrient Monitoring Form	2016-02-25T08:49:13-05:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	A27BEBC2CDA14BA3FACDD1ECB35F19EDB8417C395FD795FE33A5C4F923452827FC2906B1D3023FCD33875D3C0EEAB1F8552FD5121E751D2C85E7A066FA046709		
E-NPDES NE201601.xls	Daily Effluent Monitoring Form	2016-02-25T08:48:36-05:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	8F8B6138E5A9A084B4FF679B49493CBC422FEE158C7C7D8C8B098BB2D5587B97470933E79DD95095E3D94384D9F6C3DD398F0F5D839696D91A9F354E0B429DE3		
NECSO 201601.xls	CSO Detailed Outfall Report Form	2016-02-25T08:49:41-05:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	7A3241FEFF613EE9383687E891D77A8CE839A6D5AE8166DEE565D5AAEEB53C9990E2CD9499D537E430D6929AE563D3C09B1B0738651F4B3A86B819415A713338		
201601SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-02-25T08:50:10-05:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	8E34C71262A3A38AE9E7581D2F0386343948E6C1C8F7A937E1AC251ECA68B4BD5547D93906CF31F3E09675E4D1127347112F581F50B3E25F95F011D00B88737D		



**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

PERMIT VIOLATIONS											
Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

UNAUTHORISED DISCHARGES												
Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

OTHER PERMIT VIOLATIONS				
Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

COMMENTS DETAILS			
Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Mary Ellen Senss	S12300	215-685-6258

SUBMISSION INFORMATION			
<p>*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).</p>			
Submitted By GreenPort User	SENSSM	Submitted By Full Name	Mary Ellen Senss
Email Address	maryellen.senss@phila.gov	Document Generated	2/25/2016

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

NE Daily Special

Report Date: 02/04/2016

WW160106-005

Composite 24h 01/06/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/7/2016	9:20	1/7/2016	10:20	3	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB(CBOD) recovery is 116%. Acceptance limits are 85-115%
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

Name: John Consolvo  
Title: Laboratory Manager  
Date: 2/22/2016

NE Daily Composite

Report Date: 02/04/2016

WW160103-001

Composite 01/03/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/4/2016	23:20	1/4/2016	12:20	134	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB(CBOD) recovery is 116%. Acceptance limits are 85-115%
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WW160103-002

Composite 01/03/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/4/2016	11:20	1/4/2016	12:20	168	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB(CBO) recovery is 116%. Acceptance limits are 85-115%.
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WW160103-003

Composite 01/03/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/4/2016	11:20	1/4/2016	12:20	146	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB(CBOD) recovery is 116%. Acceptance limits are 85-115%
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WW160103-004

Composite 01/03/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/4/2016	11:20	1/4/2016	12:20	4	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB(CBOD) recovery is 116%. Acceptance limits are 85-115%
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WW160106-002

Composite 01/06/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/7/2016	9:20	1/7/2016	10:20	144	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB(CBOD) recovery 116%. Acceptance limits are 85-115%
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WW160106-003

Composite 01/06/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/7/2016	9:20	1/7/2016	10:20	157	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB(CBOD) recovery is 116%. Acceptance limits are 85-115%.
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WW160106-004

Composite 01/06/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/7/2016	9:20	1/7/2016	10:20	137	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	LFB(CBOD) recovery is 116%. Acceptance limits are 85-115%
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WW160107-001

Composite 01/07/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/8/2016	7:00	1/8/2016	8:30	185	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery 82.5%. Acceptance limits are 85-115%.
------------------------	--

WW160107-002

Composite 01/07/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/8/2016	7:00	1/8/2016	8:30	180	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery 82.5%. Acceptance limits are 85-115%.
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WW160107-003

Composite 01/07/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/8/2016	7:00	1/8/2016	8:30	207	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limits are 85-115%.
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WW160107-004

Composite 01/07/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/8/2016	7:00	1/8/2016	8:10	2	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limits are 85-115%.
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WW160108-001

Composite 01/08/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/9/2016	8:00	1/9/2016	9:05	228	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limits are 85-115%
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WW160108-002

Composite 01/08/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/9/2016	8:00	1/9/2016	9:05	256	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limits are 85-115%
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WW160108-003

Composite 01/08/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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Solids Suspended Total	SM 2540 D	1/9/2016	8:00	1/9/2016	9:05	272	mg/L	2.5	mg/L
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Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limits are 85-115%
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WW160108-004

Composite 01/08/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/9/2016	8:00	1/9/2016	8:45	1	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limits are 85-115%. Concentration below minium reporting limit.
------------------------	---

WW160112-004

Composite 01/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/13/2016	8:00	1/13/2016	9:05	1	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Concentration below minium reporting limit.
------------------------	---

WW160113-002

Composite 01/13/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/14/2016	7:00	1/14/2016	8:10	150	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 125%. Acceptance limits are 85-115%
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WW160113-003

Composite 01/13/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/14/2016	7:00	1/14/2016	8:10	225	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 125%. Acceptance limits are 85-115%.
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WW160113-004

Composite 01/13/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/14/2016	7:00	1/4/2016	8:10	160	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 125%. Acceptance limits are 85-115%
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WW160115-001

Composite 01/15/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/16/2016	7:00	1/16/2016	8:35	175	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 67.5%. Acceptance limits are 85-115%.
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WW160115-002

Composite 01/15/2016 06:00



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/16/2016	7:00	1/16/2016	8:35	213	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 62.5%. Acceptance limits are 85-115%
------------------------	--

WW160115-003

Composite 01/15/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/16/2016	7:00	1/16/2016	8:35	167	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 67.5%. Acceptance limits are 85-115%
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WW160115-004

Composite 01/15/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/16/2016	7:00	1/16/2016	8:17	4	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 62.5%. Acceptance limits are 85-115%.
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WW160118-002

Composite 01/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/19/2016	8:00	1/19/2016	9:15	156	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 77.5%. Acceptance limits are 85-115%
------------------------	--

WW160118-003

Composite 01/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/19/2016	8:00	1/19/2016	9:15	248	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 77.5%. Acceptance limits are 85-115%
------------------------	--

WW160118-004

Composite 01/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/19/2016	8:00	1/19/2016	9:15	144	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 77.5%. Acceptance limits are 85-115%
------------------------	--

## Legend

A - Results reported on a basis other than as received, e.g. dry weight.

B - Tests performed are not covered by BLS's scope of accreditation.

C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 2/22/2016



Debra A. McCarty, Water Commissioner

March 23, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for February 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Submitted By :** Mary Ellen Senss

**Submission Id :** 14996

**Submission Status :** Received

**Facility Name :** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number :** PA0026689

**Report Type :** Monthly

**Monitoring Report Period :** 02/01/2016-02/29/2016

**Monitoring Report Due Date :** 03/28/2016

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for February 2016

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

HEADER INFORMATION					
Facility ID:	479063	Facility Name:	PHILA WATER DEPT - NORTHEAST WPC PLANT	Location Address:	3899 RICHMOND ST, PHILADELPHIA PA, 19137
Permit Number:	PA0026689	Monitoring Period:	02/01/2016-02/29/2016	Mailing Address:	1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994

PARAMETERS REPORTED VALUES										
Sampling Point		001		Stage Code			Final Effluent		No Discharge Indicator	N
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
Dissolved Oxygen	Sample Measurement	***	***	***	4.0	5.9	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.6	***	7.0	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	17834	32822	lbs/day	***	10	16	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	6.13	7.30	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.324	.380	mg/L	24-Hr Composite	1/day
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	1.465	1.760	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	8.65	10.00	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.493	.734	mg/L	24-Hr Composite	1/day
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/day
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	.040	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/day
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0060	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.1630	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

Iron, Dissolved	Sample Measurement	***	***	***	***	.0450	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0440	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	183	304	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.26	.51	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	40	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	10793	15940	lbs/day	***	7	8	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	30083	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	94	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	94	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>ATTACHMENT DETAILS</b>			
<b>File Name</b>	<b>Attachment Type</b>	<b>Uploaded Time</b>	<b>Attachment Comment</b>
E-NPDES NE201602.xls	Daily Effluent Monitoring Form	2016-03-23T10:00:56-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	69D9599B6A4EEE4FEA9CA8C18164708A2E8AF983C1758F4277606C1DE1F2F2D4EB1479313456026C6501F0C3F9BA1E6E06B7DA225C9C19F9FE50DCF417C435DF		
NE Daily Composite (03-03-2016).pdf	Laboratory Accreditation Form	2016-03-24T08:44:42-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	707582E9C970CF7D1D6E659F6AA8C737A29E54C0C16615F8F96C5001A55C03D9767D64E7F1860BB9E2C75AEC93A29DFADF89A9A5DB459869E51254E9FC1B0CBF		
BLSNE201602.xls	Nutrient Monitoring Form	2016-03-23T10:02:53-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	24A0B0C57E87CE57D11926DE1DA90961CA7B2754EFDD2770E36F2D2B0C1DD134AA5316F68D9FE35D3449C70CAA784A0FFF61ACA5B8DC4FCC8C9B18A31A318656		
201602SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-03-23T10:04:53-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	07980C4F285F5C516AC5261FAFCC5E4E734FD5756FC3CDFE27A3A6D47F0C7C68B20E46B192C8060A34C4F7CDF0D466E16699C31E9D854A47280974DCE2378BD7		
NECSO 201602.xls	CSO Detailed Outfall Report Form	2016-03-23T10:04:09-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	B40B50FA0C401FE17AC9C09F88FE04D770FCE282D9C226E4B51E1F42835C76E69D96380B5E85508B5A7C63CAD964F235BBAE6A96DDA63DEB22C51D32808DD4F7		

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>PERMIT VIOLATIONS</b>											
Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

<b>UNAUTHORISED DISCHARGES</b>												
Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

<b>OTHER PERMIT VIOLATIONS</b>				
Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

<b>COMMENTS DETAILS</b>			
Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifiers.	Mary Ellen Senss	S12300	215-685-6258

<b>SUBMISSION INFORMATION</b>			
<p>*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).</p>			
<b>Submitted By GreenPort User</b>	<b>SENSSM</b>	<b>Submitted By Full Name</b>	<b>Mary Ellen Senss</b>
<b>Email Address</b>	maryellen.senss@phila.gov	<b>Document Generated</b>	3/24/2016



# PERMIT NEWPCP - FEBRUARY 2016 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)	
			EFF (mg/L)	SS% REM	SS%** REM	LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM		CBOD5** %REM
Su	01/31/2016	150	172	5	97	6,258		134	4	97	5,006	
M	02/01/2016	183	190	8	96	12,236		103	6	94	9,177	15
T	02/02/2016	146	122	4	97	4,870		118	4	97	4,870	
W	02/03/2016	224	184	10	95	18,708		126	8	94	14,967	18
Th	02/04/2016	199	129	7	95	11,633		118	5	96	8,310	
F	02/05/2016	221	137	11	92	20,258		79	6	92	11,050	
S	02/06/2016	169	183	5	97	7,043		123	5	96	7,043	
Su	02/07/2016	165	146	6	96	8,279		121	4	97	5,519	
M	02/08/2016	162	160	5	97	6,762		112	4	96	5,409	12
T	02/09/2016	171	165	6	96	8,549		126	6	95	8,549	
W	02/10/2016	159	166	6	96	7,932		119	5	96	6,610	13
Th	02/11/2016	149	183	5	97	6,197		126	4	97	4,957	
F	02/12/2016	142	146	5	97	5,933		117	5	96	5,933	
S	02/13/2016	145	180	7	96	8,468		125	6	95	7,258	
Su	02/14/2016	145	214	6	97	7,249		136	7	95	8,457	
M	02/15/2016	172	224	12	95	17,164		135	9	93	12,873	21
T	02/16/2016	248	174	31	82	64,201		104	16	85	33,136	
W	02/17/2016	173	172	10	94	14,450		121	5	96	7,225	11
Th	02/18/2016	161	183	6	97	8,066		135	5	96	6,722	
F	02/19/2016	158	195	8	96	10,544		145	5	97	6,590	
S	02/20/2016	162	173	8	95	10,785		112	6	95	8,088	
Su	02/21/2016	177	256	10	96	14,793		146	6	96	8,876	
M	02/22/2016	158	142	8	94	10,558		122	6	95	7,918	14
T	02/23/2016	221	160	16	90	29,494		120	10	92	18,434	
W	02/24/2016	304	190	42	78	106,513		73	17	77	43,112	34
Th	02/25/2016	230	119	15	87	28,770		85	7	92	13,426	
F	02/26/2016	198	164	12	93	19,789		106	6	94	9,894	
S	02/27/2016	198	223	12	95	19,834		124	6	95	9,917	
Su	02/28/2016	192	173	10	94	16,009		115	6	95	9,605	
M	02/29/2016	181	249	8	97	12,105		144	6	96	9,079	

TOTAL AVERAGE	5,314	5,102						3,436	191			
	183	176	10	94	17,834		118	7	94	10,793		17

Wk1	185	160	7	95	11,572		114	5		8,632	
Wk2	156	164	6	96	7,446		121	5		6,319	
Wk3	174	191	12	94	18,923		127	8		11,870	
Wk4	212	179	16	90	32,822		111	8		15,940	

MAX	304
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CBOD 20 LBS--	30,083
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NPDES/D LIMITS	MO	<30	>85	<52,540		<25	>86	<36,430
	WK	<45		<78,810		<40		<54,645

CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - FEBRUARY 2016**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)	
		N	S				
M 02/01/2016	183	6.8	6.8	6.1	0.29	10	
T 02/02/2016	146	6.7	6.7	5.4	0.23	16	
W 02/03/2016	224	6.7	6.7	4.6	0.34	13	
Th 02/04/2016	199	6.7	6.6	4.7	0.24	55	
F 02/05/2016	221	6.9	6.9	5.2	0.38	36	
S 02/06/2016	169	6.9	6.8	5.7	0.26	12	
Su 02/07/2016	165	6.9	6.9	6.5	0.30	7	
M 02/08/2016	162	6.8	6.8	6.2	0.35	12	
T 02/09/2016	171	7.0	7.0	6.3	0.23	59	
W 02/10/2016	159	6.9	6.9	6.5	0.25	15	
Th 02/11/2016	149	6.9	7.0	6.8	0.32	8	
F 02/12/2016	142	7.0	7.0	6.5	0.26	25	
S 02/13/2016	145	7.0	7.0	6.8	0.30	19	
Su 02/14/2016	145	7.0	7.0	6.7	0.32	13	
M 02/15/2016	172	7.0	7.0	6.6	0.31	4	
T 02/16/2016	248	6.8	6.8	4.0	0.51	107	
W 02/17/2016	173	6.8	6.9	4.9	0.21	141	
Th 02/18/2016	161	6.9	6.9	5.3	0.16	78	
F 02/19/2016	158	6.9	7.0	5.3	0.23	19	
S 02/20/2016	162	6.9	6.9	5.6	0.23	8	
Su 02/21/2016	177	6.9	6.9	6.6	0.23	42	
M 02/22/2016	158	6.9	6.9	6.2	0.19	248	
T 02/23/2016	221	6.9	7.0	6.4	0.20	289	
W 02/24/2016	304	6.9	6.9	5.6	0.15	515	
Th 02/25/2016	230	6.8	6.9	5.6	0.34	93	
F 02/26/2016	198	7.0	6.9	6.1	0.21	266	
S 02/27/2016	198	6.9	7.0	6.6	0.16	197	
Su 02/28/2016	192	7.0	7.0	6.8	0.19	123	
M 02/29/2016	181	6.9	6.9	5.8	0.21	260	
TOTAL	5,314	MIN	MAX	MIN	AVG	AVG	MAX
AVERAGE	183	6.6	7.0	4.0	5.9	0.26	0.51
						GEOMETRIC	
						MEAN	40

Wk1	185						
Wk2	156						
Wk3	174						
Wk4	212						
	181						
<b>MAX</b>	304					0.51	
EFFLUENT							
NPDES/D		MIN	MAX				GEO
LIMITS		6.0	9.0				MEAN
							<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - FEBRUARY 2016  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
02/01/2016	0.29	0.29	0.29	6.2	5.9	6.1	16	6	10
02/02/2016	0.21	0.24	0.23	5.4	5.3	5.4	30	9	16
02/03/2016	0.31	0.36	0.34	4.5	4.6	4.6	12	15	13
02/04/2016	0.13	0.34	0.24	4.8	4.6	4.7	225	14	55
02/05/2016	0.40	0.35	0.38	5.3	5.0	5.2	42	31	36
02/06/2016	0.32	0.20	0.26	5.6	5.7	5.7	9	16	12
02/07/2016	0.33	0.27	0.30	6.4	6.5	6.5	12	4	7
02/08/2016	0.39	0.30	0.35	6.2	6.1	6.2	6	24	12
02/09/2016	0.19	0.26	0.23	6.3	6.2	6.3	93	38	59
02/10/2016	0.19	0.30	0.25	6.4	6.5	6.5	11	22	15
02/11/2016	0.23	0.40	0.32	6.8	6.7	6.8	65	1	8
02/12/2016	0.25	0.26	0.26	6.4	6.5	6.5	46	13	25
02/13/2016	0.28	0.31	0.30	6.8	6.8	6.8	42	9	19
02/14/2016	0.28	0.35	0.32	6.7	6.7	6.7	30	5	13
02/15/2016	0.28	0.34	0.31	6.6	6.6	6.6	4	3	4
02/16/2016	0.42	0.60	0.51	4.1	3.9	4.0	517	22	107
02/17/2016	0.17	0.24	0.21	4.8	4.9	4.9	308	64	141
02/18/2016	0.16	0.15	0.16	5.3	5.3	5.3	82	74	78
02/19/2016	0.25	0.21	0.23	5.2	5.3	5.3	12	31	19
02/20/2016	0.22	0.23	0.23	5.6	5.5	5.6	4	16	8
02/21/2016	0.24	0.21	0.23	6.5	6.6	6.6	31	57	42
02/22/2016	0.20	0.17	0.19	6.2	6.2	6.2	261	236	248
02/23/2016	0.21	0.19	0.20	6.4	6.4	6.4	365	228	289
02/24/2016	0.14	0.16	0.15	5.6	5.5	5.6	727	365	515
02/25/2016	0.36	0.32	0.34	5.6	5.6	5.6	49	179	93
02/26/2016	0.24	0.18	0.21	6.1	6.0	6.1	345	205	266
02/27/2016	0.16	0.16	0.16	6.5	6.7	6.6	365	107	197
02/28/2016	0.16	0.21	0.19	6.7	6.8	6.8	122	123	123
02/29/2016	0.20	0.22	0.21	5.7	5.8	5.8	345	196	260
Avg	0.25	0.27	0.26	5.9	5.9	5.9	54	29	40

**PERMIT  
NEWPCP - FEBRUARY 2016**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
02/01/2016	128	15	88%
02/02/2016			
02/03/2016	132	20	85%
02/04/2016			
02/05/2016			
02/06/2016			
02/07/2016			
02/08/2016	124	11	91%
02/09/2016			
02/10/2016	128	16	88%
02/11/2016			
02/12/2016			
02/13/2016			
02/14/2016			
02/15/2016	150	26	83%
02/16/2016			
02/17/2016	126	16	87%
02/18/2016			
02/19/2016			
02/20/2016			
02/21/2016			
02/22/2016	133	19	86%
02/23/2016			
02/24/2016	78	39	50%
02/25/2016			
02/26/2016			
02/27/2016			
02/28/2016			
02/29/2016			
AVG	125	20	82%

DESIGN - 210 MGD

<b>NEWPCP - FEBRUARY 2016</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
02/01/2016	57	84	42	183	277	0.10
02/02/2016	45	67	34	146	197	
02/03/2016	61	115	48	224	363	0.46
02/04/2016	57	98	44	199	286	0.01
02/05/2016	59	118	44	221	303	0.40
02/06/2016	51	84	34	169	214	
02/07/2016	47	85	34	165	204	
02/08/2016	45	80	38	162	208	0.01
02/09/2016	49	82	40	171	230	0.05
02/10/2016	46	76	36	159	233	0.04
02/11/2016	44	71	33	149	208	
02/12/2016	41	70	32	142	257	0.01
02/13/2016	42	69	34	145	183	T
02/14/2016	42	68	35	145	193	
02/15/2016	50	76	45	172	315	0.40
02/16/2016	58	140	50	248	390	0.56
02/17/2016	51	90	33	173	210	
02/18/2016	45	85	32	161	193	
02/19/2016	44	81	33	158	205	
02/20/2016	45	85	32	162	200	
02/21/2016	51	90	36	177	312	0.03
02/22/2016	44	82	32	158	188	
02/23/2016	62	113	45	221	316	0.28
02/24/2016	63	174	67	304	461	1.91
02/25/2016	57	132	42	230	297	0.09
02/26/2016	58	106	34	198	258	
02/27/2016	55	103	41	198	242	
02/28/2016	53	100	39	192	236	
02/29/2016	51	94	36	181	242	0.01
<b>TOTAL</b>	<b>1,472</b>	<b>2,719</b>	<b>1,124</b>	<b>5,314</b>		<b>4.36</b>
<b>AVG</b>	<b>51</b>	<b>94</b>	<b>39</b>	<b>183</b>		
		<b>MIN</b>		<b>142</b>	<b>183</b>	
		<b>MAX</b>		<b>304</b>	<b>461</b>	

\* ADJUSTED FOR RECYCLE.

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
 Northeast Water Pollution Control Plant  
**NPDES SUMMARY FOR THE MONTH OF FEBRUARY 2016**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
02/03/2016	0.380	1.760	6.50	7.40	0.277
02/11/2016	0.315	1.360	7.30	9.40	0.349
02/17/2016	0.265	1.560	4.10	7.80	0.734
02/24/2016	0.337	1.180	6.60	10.00	0.610
<b>AVG</b>	0.324	1.465	6.13	8.65	0.493
<b>MAX</b>	0.380	1.760	7.30	10.00	0.734

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
02/04/2016	< 0.040

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	02/03/2016
Copper	0.0060
Iron	0.1630
Iron Dissolved	0.0450
Lead	< 0.0030
Zinc	0.0440

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	02/01/2016
1,2-Dichloroethane	< 0.0025
Chloroform	< 0.0025
Chlorodibromomethane	< 0.0025
Tetrachloroethylene	< 0.0025
Trichloroethylene	< 0.0025

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
FEBRUARY 2016	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
02/01/2016	0.937	0.799	62	1.296	1.502	134.2
02/02/2016	0.914	0.984	77	1.117	0.858	98.9
02/03/2016	0.914	0.740	57	1.039	0.917	76.8
02/04/2016	0.898	1.094	87	0.300	0.764	51.9
02/05/2016	0.900	0.329	26	0.812	0.757	55.1
02/06/2016	0.903	1.250	104	1.385	0.912	65.8
02/07/2016	0.941	1.192	97	0.914	1.423	99.0
02/08/2016	0.925	0.418	33	2.367	2.355	168.2
02/09/2016	0.901	1.331	129	0.757	0.947	66.0
02/10/2016	0.911	0.847	69	0.906	0.886	61.4
02/11/2016	0.903	1.013	91	1.117	0.860	66.0
02/12/2016	0.916	0.682	54	2.119	2.028	156.9
02/13/2016	0.919	1.111	92	1.674	2.002	189.8
02/14/2016	0.907	0.863	65	1.010	0.928	61.9
02/15/2016	0.914	0.498	38	1.126	0.993	69.4
02/16/2016	0.910	0.686	51	1.446	1.596	133.4
02/17/2016	0.912	1.607	127	0.626	0.031	1.0
02/18/2016	0.912	0.971	82	0.851	1.462	242.9
02/19/2016	0.908	0.921	94	1.820	1.769	118.2
02/20/2016	0.912	0.743	67	1.106	0.788	56.1
02/21/2016	0.898	0.469	39	1.146	1.369	108.4
02/22/2016	0.917	1.273	108	1.175	1.134	94.0
02/23/2016	0.916	0.790	72	0.045	0.113	9.5
02/24/2016	0.908	0.700	57	1.126	0.900	116.8
02/25/2016	0.879	1.470	140	0.671	0.756	62.4
02/26/2016	0.913	0.040	3	1.266	1.528	124.2
02/27/2016	0.923	1.480	145	1.398	1.381	200.6
02/28/2016	0.922	1.188	143	1.722	1.698	154.1
02/29/2016	0.912	0.533	47	1.788	1.440	106.0
<b>TOTAL</b>	26.445	26.020	2,255	34.125	34.095	2,949
<b>AVERAGE</b>	0.912	0.897	78	1.177	1.176	102



**Debra A. McCarty, Water Commissioner**

April 28, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for March 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Submitted By:** Mary Ellen Senss

**Submission Id :** 17690

**Submission Status :** Received

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Type:** Monthly

**Monitoring Report Period :** 01/01/2016 - 03/31/2016

**Monitoring Report Due Date :** 04/28/2016



# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for March 2016

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

**HEADER INFORMATION**

<b>Facility ID:</b>	479063	<b>Facility Name:</b>	PHILA WATER DEPT - NORTHEAST WPC PLANT	<b>Location Address:</b>	3899 RICHMOND ST, PHILADELPHIA PA, 19137
<b>Permit Number:</b>	PA0026689	<b>Monitoring Period:</b>	03/01/2016-03/31/2016	<b>Mailing Address:</b>	1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994

**PARAMETERS REPORTED VALUES**

Sampling Point		001		Stage Code		Final Effluent		No Discharge Indicator	N	
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
Dissolved Oxygen	Sample Measurement	***	***	***	2.8	5.5	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.8	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	10917	20000	lbs/day	***	7	12	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	6.24	7.30	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.393	.494	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	1.646	2.240	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	7.96	8.50	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.395	.469	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	.040	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0110	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.4330	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

Iron, Dissolved	Sample Measurement	***	***	***	***	.0460	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0440	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	163	246	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.21	.48	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	3	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	8173	11866	lbs/day	***	6	8	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	22557	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	96	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	96	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>ATTACHMENT DETAILS</b>			
<b>File Name</b>	<b>Attachment Type</b>	<b>Uploaded Time</b>	<b>Attachment Comment</b>
E-NPDES NE201603.xls	Daily Effluent Monitoring Form	2016-04-27T13:16:10-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	CF6356E4D393425E93D60A005928B7FE5E888E772464581DFF2C80A8AC7D7E026BFEA89DC0169A871E15A771A692001E6633D7690F810876775A9A6E89E683E4		
NE NPDES Monthly Cyanide (04-26-2016).pdf	Laboratory Accreditation Form	2016-04-27T13:18:26-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	3DF3DDEA5D7F8C7E1EEFAE13D41798E3AC38D29298E242751FECE5CAE494117838079C931D3B2F8AFE9170AD31D5A0667F331C8D96C15CB28B5FDE8975662D30		
201603SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-04-27T13:17:41-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	51A6B44190B8FD6CBCFFB1C27114236D787B23EF8C2990A618A7682ECEA789E16BE558F19FC017753CB05C4B99C9EAC103053A10F624494F99FD17B05FCAD3F7		
WW NPDES Monthly Influent Composite (04-26-2016).pdf	Laboratory Accreditation Form	2016-04-27T13:19:00-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	1BA53684CD3D101813EAA4614B75B2D40F2CC936E0662AB09D173E828E8770B2D56C8338FBF0E0F1A17161F1BB75F1125B7B10296D21B7DF87A07CD278524F4E		
BLSNE201603.xls	Nutrient Monitoring Form	2016-04-27T13:16:45-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	03264E9EFC814A9B0AEA8F9EC9AFEDB3EB0C8646B391D12B3BDEE4B86E558CAAE9088AB45FA27EB05A8849D4524B94AA109E745E5BE144DF8F9F85185D006E45		
NECSO 201603.xls	CSO Detailed Outfall Report Form	2016-04-27T13:17:13-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	18BBB2855E632D0DFD32E9B7BFC675B4ACB95D667501D903B7A42EE7932ECE44B131FBFDA8C880F022C3D2495C558B426AC16EDECFC1EA129A2BF93927F59A8A		

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>PERMIT VIOLATIONS</b>											
Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

<b>UNAUTHORISED DISCHARGES</b>												
Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

<b>OTHER PERMIT VIOLATIONS</b>				
Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

<b>COMMENTS DETAILS</b>			
Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifiers.	Mary Ellen Senss	S12300	215-685-6258

<b>SUBMISSION INFORMATION</b>			
<p>*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).</p>			
<b>Submitted By GreenPort User</b>	<b>SENSSM</b>	<b>Submitted By Full Name</b>	<b>Mary Ellen Senss</b>
<b>Email Address</b>	maryellen.senss@phila.gov	<b>Document Generated</b>	4/27/2016

# PERMIT

## NEWPCP - MARCH 2016

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	LBS
Su	02/28/2016	192	173	10	94	16,009	115	6	95	9,605	
M	02/29/2016	181	249	8	97	12,105	144	6	96	9,079	
T	03/01/2016	196	183	10	95	16,381	116	5	96	8,191	
W	03/02/2016	192	124	8	94	12,825	100	5	95	8,016	12
Th	03/03/2016	171	242	5	98	7,122	131	8	94	11,394	
F	03/04/2016	178	142	9	94	13,394	115	6	95	8,929	15
S	03/05/2016	170	123	6	95	8,530	117	6	95	8,530	
Su	03/06/2016	162	165	6	96	8,108	145	6	96	8,108	
M	03/07/2016	159	184	6	97	7,957	134	5	96	6,631	12
T	03/08/2016	164	241	6	98	8,182	182	4	98	5,455	
W	03/09/2016	159	201	4	98	5,300	156	4	97	5,300	12
Th	03/10/2016	157	182	6	97	7,854	150	5	97	6,545	
F	03/11/2016	151	231	5	98	6,281	135	5	96	6,281	
S	03/12/2016	146	202	6	97	7,309	137	6	96	7,309	
Su	03/13/2016	171	230	13	94	18,569	176	9	95	12,856	
M	03/14/2016	246	146	33	77	67,679	112	16	86	32,814	31
T	03/15/2016	170	171	10	94	14,213	115	6	95	8,528	
W	03/16/2016	162	186	10	95	13,509	128	6	95	8,105	15
Th	03/17/2016	165	155	7	95	9,618	116	5	96	6,870	
F	03/18/2016	151	153	6	96	7,537	120	5	96	6,280	
S	03/19/2016	152	191	7	96	8,876	123	6	95	7,608	
Su	03/20/2016	161	172	8	95	10,762	131	7	95	9,417	
M	03/21/2016	151	130	6	95	7,542	135	5	96	6,285	14
T	03/22/2016	147	156	6	96	7,356	140	4	97	4,904	
W	03/23/2016	152	198	6	97	7,603	142	5	96	6,336	13
Th	03/24/2016	150	174	6	97	7,524	137	5	96	6,270	
F	03/25/2016	152	176	6	97	7,614	131	5	96	6,345	
S	03/26/2016	156	217	5	98	6,504	189	5	97	6,504	
Su	03/27/2016	157	204	5	98	6,528	152	NR	ND	ND	
M	03/28/2016	191	166	10	94	15,894	122	7	94	11,125	17
T	03/29/2016	144	138	3	98	3,608	123	4	97	4,811	
W	03/30/2016	141	190	4	98	4,689	145	4	97	4,689	10
Th	03/31/2016	143	197	3	98	3,571	130	4	97	4,761	

TOTAL	5,066	5,570					4,185	173			
AVERAGE	163	180	7	96	10,917		135	6	96	8,173	15

Wk1	183	177	8	95	12,338	120	6	9,106
Wk2	157	201	6	97	7,285	148	5	6,518
Wk3	174	176	12	93	20,000	127	8	11,866
Wk4	153	175	6	96	7,844	144	5	6,580

MAX 246

CBOD 20 LBS-- 22,557

NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS-- <71,760

- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USE1
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USE
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - MARCH 2016**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
T 03/01/2016	196	6.9	6.9	5.9	0.16	1		
W 03/02/2016	192	6.8	6.8	5.2	0.27	144		
Th 03/03/2016	171	6.9	6.9	5.3	0.25	1		
F 03/04/2016	178	6.9	6.9	5.0	0.29	7		
S 03/05/2016	170	6.9	6.9	4.9	0.13	2		
Su 03/06/2016	162	6.9	6.9	5.1	0.22	1		
M 03/07/2016	159	7.0	7.0	5.4	0.18	3		
T 03/08/2016	164	6.8	6.9	6.3	0.20	2		
W 03/09/2016	159	6.9	6.9	6.2	0.19	10		
Th 03/10/2016	157	6.9	NS	5.4	0.16	1		
F 03/11/2016	151	7.0	7.0	6.3	0.23	1		
S 03/12/2016	146	6.9	6.9	6.4	0.22	2		
Su 03/13/2016	171	6.9	6.9	6.3	0.20	3		
M 03/14/2016	246	6.9	6.9	2.8	0.30	1		
T 03/15/2016	170	6.9	6.9	4.4	0.15	1		
W 03/16/2016	162	6.9	6.9	4.8	0.20	2		
Th 03/17/2016	165	6.9	6.9	4.6	0.14	1		
F 03/18/2016	151	6.9	7.0	4.7	0.23	3		
S 03/19/2016	152	7.0	7.0	5.5	0.20	7		
Su 03/20/2016	161	7.0	7.0	6.3	0.22	5		
M 03/21/2016	151	6.9	7.0	5.9	0.17	2		
T 03/22/2016	147	6.9	7.0	6.3	0.18	4		
W 03/23/2016		7.1	7.0	6.1	0.18	3		
Th 03/24/2016		6.9	7.0	6.1	0.21	3		
F 03/25/2016		7.0	7.0	6.2	0.22	1		
S 03/26/2016		6.9	6.9	6.4	0.22	2		
Su 03/27/2016	152	7.0	7.0	6.3	0.21	2		
M 03/28/2016	150	7.0	7.0	4.2	0.48	3		
T 03/29/2016	152	7.0	7.0	6.1	0.19	3		
W 03/30/2016	156	6.9	6.9	6.1	0.19	2		
Th 03/31/2016	141	6.9	6.9	4.9	0.18	1		
TOTAL	4,432	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	164	6.8	7.1	2.8	5.5	0.21	0.48	MEAN
								3

Wk1 183  
Wk2 157  
Wk3 174  
Wk4 153

**MAX** 246 0.48

EFFLUENT  
NPDES/D MIN MAX GEO  
LIMITS 6.0 9.0 MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - MARCH 2016  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO	
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)	
03/01/2016	0.15	0.17	0.16	5.9	5.8	5.9	1	<	1	1
03/02/2016	0.28	0.26	0.27	5.2	5.1	5.2	141		146	144
03/03/2016	0.24	0.26	0.25	5.3	5.2	5.3	2	<	1	1
03/04/2016	0.30	0.28	0.29	5.0	4.9	5.0	1		53	7
03/05/2016	0.12	0.13	0.13	4.8	5.0	4.9	1		4	2
03/06/2016	0.24	0.20	0.22	5.1	5.0	5.1	<	1	2	1
03/07/2016	0.17	0.19	0.18	5.6	5.2	5.4	1		10	3
03/08/2016	0.18	0.21	0.20	6.4	6.2	6.3	1		3	2
03/09/2016	0.16	0.21	0.19	6.2	6.2	6.2	3		31	10
03/10/2016	0.16	NS	0.16	5.4	NS	5.4	1		2	1
03/11/2016	0.24	0.21	0.23	6.2	6.3	6.3	2	<	1	1
03/12/2016	0.21	0.22	0.22	6.4	6.4	6.4	<	1	3	2
03/13/2016	0.20	0.20	0.20	6.2	6.3	6.3	2		5	3
03/14/2016	0.33	0.26	0.30	2.8	2.8	2.8	2		1	1
03/15/2016	0.13	0.16	0.15	4.4	4.3	4.4	2		1	1
03/16/2016	0.24	0.16	0.20	4.7	4.8	4.8	2		2	2
03/17/2016	0.15	0.12	0.14	4.6	4.6	4.6	1	<	1	1
03/18/2016	0.25	0.21	0.23	4.7	4.6	4.7	<	1	8	3
03/19/2016	0.23	0.17	0.20	5.5	5.4	5.5	1		52	7
03/20/2016	0.24	0.19	0.22	6.3	6.3	6.3	3		8	5
03/21/2016	0.17	0.17	0.17	5.9	5.9	5.9	<	1	5	2
03/22/2016	0.17	0.18	0.18	6.3	6.3	6.3	1		19	4
03/23/2016	0.15	0.21	0.18	6.0	6.1	6.1	3		3	3
03/24/2016	0.21	0.21	0.21	6.1	6.1	6.1	8	<	1	3
03/25/2016	0.21	0.22	0.22	6.1	6.2	6.2	1		2	1
03/26/2016	0.21	0.22	0.22	6.5	6.3	6.4	3		2	2
03/27/2016	0.23	0.19	0.21	6.3	6.3	6.3	3		1	2
03/28/2016	0.55	0.41	0.48	4.1	4.2	4.2	1		10	3
03/29/2016	0.20	0.17	0.19	6.1	6.1	6.1	2		4	3
03/30/2016	0.17	0.21	0.19	6.1	6.0	6.1	4	<	1	2
03/31/2016	0.14	0.21	0.18	5.0	4.8	4.9	<	1	2	1
Avg	0.21	0.21	0.21	5.5	5.5	5.5	2		4	3



**PERMIT  
NEWPCP - MARCH 2016**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
03/01/2016			
03/02/2016	110	17	85%
03/03/2016			
03/04/2016	131	17	87%
03/05/2016			
03/06/2016			
03/07/2016	124	23	81%
03/08/2016			
03/09/2016	150	16	89%
03/10/2016			
03/11/2016			
03/12/2016			
03/13/2016			
03/14/2016	136	37	73%
03/15/2016			
03/16/2016	192	24	88%
03/17/2016			
03/18/2016			
03/19/2016			
03/20/2016			
03/21/2016	144	19	87%
03/22/2016			
03/23/2016	162	15	91%
03/24/2016			
03/25/2016			
03/26/2016			
03/27/2016			
03/28/2016	139	21	85%
03/29/2016			
03/30/2016	150	10	93%
03/31/2016			
AVG	144	20	86%

DESIGN - 210 MGD

<b>NEWPCP - MARCH 2016</b>						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
03/01/2016	52	103	41	196	331	T
03/02/2016	57	101	35	192	281	0.26
03/03/2016	51	90	31	171	238	0.02
03/04/2016	51	95	33	178	240	0.06
03/05/2016	48	90	33	170	238	
03/06/2016	48	81	33	162	201	
03/07/2016	47	80	32	159	200	
03/08/2016	46	80	37	164	211	
03/09/2016	45	81	33	159	187	
03/10/2016	42	83	32	157	198	
03/11/2016	56	65	30	151	199	T
03/12/2016	57	60	30	146	199	
03/13/2016	67	64	40	171	199	0.07
03/14/2016	73	124	48	246	396	1.02
03/15/2016	57	80	34	170	220	0.01
03/16/2016	53	76	33	162	287	0.01
03/17/2016	46	88	31	165	187	0.02
03/18/2016	45	75	30	151	184	
03/19/2016	45	76	30	152	187	0.01
03/20/2016	49	80	33	161	236	0.07
03/21/2016	48	71	31	151	209	T
03/22/2016	47	69	31	147	177	
03/23/2016	38	83	31	152	179	
03/24/2016	36	83	31	150	181	
03/25/2016	37	85	31	152	206	T
03/26/2016	38	88	30	156	190	
03/27/2016	62	61	33	157	318	0.02
03/28/2016	53	100	37	191	394	0.44
03/29/2016	38	78	28	144	177	
03/30/2016	39	74	27	141	191	
03/31/2016	39	75	29	143	170	T
<b>TOTAL</b>	<b>1,512</b>	<b>2,540</b>	<b>1,015</b>	<b>5,066</b>		<b>2.01</b>
<b>AVG</b>	<b>49</b>	<b>82</b>	<b>33</b>	<b>163</b>		
		<b>MIN</b>		<b>141</b>	<b>170</b>	
		<b>MAX</b>		<b>246</b>	<b>396</b>	

\* ADJUSTED FOR RECYCLE.

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
 Northeast Water Pollution Control Plant  
**NPDES SUMMARY FOR THE MONTH OF MARCH 2016**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
03/02/2016	0.340	1.370	6.30	8.40	0.303
03/10/2016	0.294	1.050	7.30	8.50	0.403
03/16/2016	0.426	1.390	5.10	7.60	0.373
03/23/2016	0.412	2.180	6.20	8.00	0.469
03/30/2016	0.494	2.240	6.30	7.30	0.426
<b>AVG</b>	0.393	1.646	6.24	7.96	0.395
<b>MAX</b>	0.494	2.240	7.30	8.50	0.469

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
03/03/2016	< 0.040

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	03/02/2016
Copper	0.0110
Iron	0.4330
Iron Dissolved	0.0460
Lead	< 0.0030
Zinc	0.0440

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	03/07/2016
1,2-Dichloroethane	< 0.0025
Chloroform	< 0.0025
Chlorodibromomethane	< 0.0025
Tetrachloroethylene	< 0.0025
Trichloroethylene	< 0.0025



Debra A. McCarty, Water Commissioner

April 28, 2016

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for March 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Submitted By :** Mary Ellen Senss

**Submission Id :** 17684

**Submission Status :** Received

**Facility Name :** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number :** PA0026689

**Report Type :** Quarterly

**Monitoring Report Period :** 01/01/2016 - 03/31/2016

**Monitoring Report Due Date :** 04/28/2016

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

HEADER INFORMATION					
Facility ID:	479063	Facility Name:	PHILA WATER DEPT - NORTHEAST WPC PLANT	Location Address:	3899 RICHMOND ST, PHILADELPHIA PA, 19137
Permit Number:	PA0026689	Monitoring Period:	01/01/2016-03/31/2016	Mailing Address:	1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994

PARAMETERS REPORTED VALUES										
Sampling Point		001		Stage Code			Final Effluent	No Discharge Indicator	N	
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
Toxicity, Acute - Ceriodaphnia Survival	Sample Measurement	***	***	***	***	***	<1	TUa	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Toxicity, Chronic - Ceriodaphnia Survival	Sample Measurement	***	***	***	***	***	1	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Toxicity, Acute - Pimephales Survival	Sample Measurement	***	***	***	***	***	<1	TUa	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Chlordane	Sample Measurement	***	***	***	***	.0004350	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
3,3-Dichlorobenzidine	Sample Measurement	***	***	***	***	.0050	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Benzidine	Sample Measurement	***	***	***	***	.0580	***	mg/L	Grab	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/quarter
4,4-DDT	Sample Measurement	***	***	***	***	<.0000175	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDD	Sample Measurement	***	***	***	***	<.0000175	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDE	Sample Measurement	***	***	***	***	<.0000175	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
alpha-BHC	Sample Measurement	***	***	***	***	<.0000088	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
beta-BHC	Sample Measurement	***	***	***	***	<.0000088	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
gamma-BHC (Lindane)	Sample Measurement	***	***	***	***	<.0000088	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Dieldrin	Sample Measurement	***	***	***	***	<.00000175	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

Endrin	Sample Measurement	***	***	***	***	<.00000175	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Heptachlor	Sample Measurement	***	***	***	***	<.0000088	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Toxicity, Chronic - Pimephales Survival	Sample Measurement	***	***	***	***	***	1	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
<b>Facility Comments</b>										

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>ATTACHMENT DETAILS</b>			
<b>File Name</b>	<b>Attachment Type</b>	<b>Uploaded Time</b>	<b>Attachment Comment</b>
BLSNE201601.xls	WET Test Summary Report	2016-04-27T12:57:33-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	AC7117F43B7450E692C2A99D51AF0D53AC967E99B51CB34557C2A5301698FE0B0D0FDDF389E9D0F1B7AA5C6A147FCC9B761413C59FEDA77465A4F72206EBA785		
WW NPDES Monthly Influent Composite (04-26-2016).pdf	Laboratory Accreditation Form	2016-04-27T12:58:27-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	1BA53684CD3D101813EAA4614B75B2D40F2CC936E0662AB09D173E828E8770B2D56C8338FBF0E0F1A17161F1BB75F1125B7B10296D21B7DF87A07CD278524F4E		
NE NPDES Monthly Cyanide (04-26-2016).pdf	Laboratory Accreditation Form	2016-04-27T12:56:15-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	3DF3DDEA5D7F8C7E1EEFAE13D41798E3AC38D29298E242751FECE5CAE494117838079C931D3B2F8AFE9170AD31D5A0667F331C8D96C15CB28B5FDE8975662D30		

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>PERMIT VIOLATIONS</b>											
Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

<b>UNAUTHORISED DISCHARGES</b>												
Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

<b>OTHER PERMIT VIOLATIONS</b>				
Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

<b>COMMENTS DETAILS</b>			
Comment	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachments for data qualifiers.	Mary Ellen Senss	S12300	215-685-6258

<b>SUBMISSION INFORMATION</b>			
<p>*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).</p>			
<b>Submitted By GreenPort User</b>	<b>SENSSM</b>	<b>Submitted By Full Name</b>	<b>Mary Ellen Senss</b>
<b>Email Address</b>	maryellen.senss@phila.gov	<b>Document Generated</b>	4/27/2016



PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JANUARY 2016

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
01/06/2016	0.726	2.982	6.20	7.50	0.664
01/11/2016	0.465	1.889	5.20	6.90	0.485
01/13/2016	0.682	3.032	5.50	7.00	0.328
01/15/2016	N.M	N.M	N.M	N.M	0.342
01/20/2016	0.472	2.540	7.30	8.60	0.485
01/25/2016	0.411	1.957	7.70	9.50	0.267
01/27/2016	0.455	1.816	7.10	8.20	0.379
01/29/2016	0.451	1.720	6.10	7.60	0.179
AVG	0.523	2.277	6.44	7.90	0.391
MAX	0.726	3.032	7.70	9.50	0.664

**Cyanide and Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
01/11/2016	< 0.040
01/13/2016	< 0.040
01/25/2016	< 0.040
01/27/2016	< 0.040
01/29/2016	< 0.040
AVG	< 0.040

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	01/11/2016	01/13/2016	01/15/2016	01/25/2016	01/27/2016	01/13/2016	AVG
Copper	0.0060	0.0050	0.0050	0.0050	0.0060	0.0050	0.0053
Iron	0.3950	0.1160	0.1080	0.1450	0.2010	0.1390	0.1840
Iron Dissolved	0.0710			0.0470	0.0470	0.0420	0.0518
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	0.0440	0.0470	0.0470	0.0340	0.0340	0.0370	0.0405

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	AVG
1,2-Dichloroethane	< 0.0025
3,3-Dichlorobenzidine	< 0.0050
alpha-BHC	< 0.000088
Benzidine	< 0.0580
Beta-BHC	< 0.000088
Chlordane	< 0.0004350
Chloroform	< 0.0026
Chlorodibromomethane	< 0.0025
Dieldrin	< 0.0000175
Endrin	< 0.0000175
Heptachlor	< 0.000088
p,p'-DDD	< 0.0000175
p,p'-DDE	< 0.0000175
p,p'-DDT	< 0.0000175
Lindane(Gamma-BHC)	< 0.000088
Tetrachloroethylene	< 0.0025
Trichloroethylene	< 0.0025

Note: For Organic Result for January 2016, please refer to Organic Section of NEWPCP BLS Data



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF JANUARY 2016**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**01/29/2016**

<b>Toxicity, Ceriodaphnia acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Ceriodaphnia chronic</b>		<b>1</b>
<b>Toxicity, Pimphales acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Pimphales chronic</b>		<b>1</b>

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE NPDES Monthly Cyanide

Report Date: 04/06/2016

WW160302-032

Grab 03/02/2016 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	3/10/2016	9:50	3/12/2016	14:36	<0.010 <sup>E</sup>	mg/L	0.010	mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 89%. Acceptance limits are 90 to 110%.
---------------	--

WW160302-033

Grab 03/02/2016 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	3/10/2016	9:50	3/12/2016	14:38	<0.010 <sup>E</sup>	mg/L	0.010	mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 89%. Acceptance limits are 90 to 110%.
---------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 4/25/2016

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

WW NPDES Monthly Influent Composite

Report Date: 04/06/2016

WW160302-030

Composite 24h 03/02/2016 06:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Mercury <sup>B,D</sup>	EPA 245.1	3/9/2016	1:30	3/9/2016	18:31	<0.00020 <sup>E</sup>	mg/L	0.00020	mg/L

Data Qualifiers:

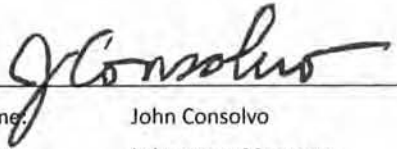
Mercury	RPD between the background concentration and the Dup is 200. The allowable max is 20.
---------	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 4/25/2016



**Debra A. McCarty, Water Commissioner**

May 22, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for April 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Submitted By:** Mary Ellen Senss

**Submission Id:** 19760

**Submission Status:** Received

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Type:** Monthly

**Monitoring Report Period :** 04/01/2016-04/30/2016

**Monitoring Report Due Date :** 05/28/2016

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for April 2016

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

**HEADER INFORMATION**

<b>Facility ID:</b>	479063	<b>Facility Name:</b>	PHILA WATER DEPT - NORTHEAST WPC PLANT	<b>Location Address:</b>	3899 RICHMOND ST, PHILADELPHIA PA, 19137
<b>Permit Number:</b>	PA0026689	<b>Monitoring Period:</b>	04/01/2016-04/30/2016	<b>Mailing Address:</b>	1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994

**PARAMETERS REPORTED VALUES**

Sampling Point		001		Stage Code		Final Effluent		No Discharge Indicator	N	
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
Dissolved Oxygen	Sample Measurement	***	***	***	4.5	6.0	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.7	***	7.0	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	4493	5604	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	6.02	6.50	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.521	.583	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	2.494	3.380	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	7.58	8.70	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.751	.874	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	.0010	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0010	***	mg/L	24-Hr Composite	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	.040	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	.0010	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0073	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.2207	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month



**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

Iron, Dissolved	Sample Measurement	***	***	***	***	.0620	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0330	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	146	196	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.23	.46	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	.0010	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	.0010	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	15	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4943	5564	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	11506	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>ATTACHMENT DETAILS</b>			
<b>File Name</b>	<b>Attachment Type</b>	<b>Uploaded Time</b>	<b>Attachment Comment</b>
E-NPDES NE201604.xls	Daily Effluent Monitoring Form	2016-05-25T10:40:36-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	496689104469867B8DF63E8B306962343DBB26F714C01A2F819516F6F957C96A35B8FEB3407EB3F3DD79909FC55BB10CA21BD71F71EFA364028777563B255397		
NE Daily Special (05-23-2016).pdf	Laboratory Accreditation Form	2016-05-25T10:43:43-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	C89FD8576FE1D8834B41310D98CDF851E37BA27A9C82ED0AB2BECCE511D84548281398EB2D1F31CAA944DDEF856B57A5B283D692E6D9C8C0A6FFA58D00254DB0		
NE Daily Composite (05-23-2016).pdf	Laboratory Accreditation Form	2016-05-25T10:43:14-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	FB7B2379E512C010C09E23966FA5D5110A4AC5B1C2929403136A2E83DAB0AD132A46FD1C9D5A5AE46B4499F6F4AF276E9C3172305829EDF606F26E58A8270851		
NE WET Testing Composite (05-23-2016).pdf	Laboratory Accreditation Form	2016-05-25T10:44:33-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	58B8D83E51F93C6D3D007B3EE85C7AE7812DEA75206779F4CC81D715590D5CF16F01C4F241EB3D6C821F5A26F8C88D553F04666BF4970E642E64CD5F4A158F0E		
BLSNE201604.xls	Nutrient Monitoring Form	2016-05-25T10:41:14-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	30399DC60B1450A4B524153F2F80378A99510E18DB7D78D8AE2969CAC1A61D204E0AE6C9C21D4F66994C2B29238F1015C7C3C7CBC88611BCE35B3A3A061CCA3B		
201604SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-05-25T10:42:23-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	F702FC63270AFD369C8947A1B6F2FC2A8AA06B48F8CB1DF41A06E56385B494FE6C6CD44036B2A8E01EF31D3FFAF41221B08BF5EEF4CDA8E6B9CA8BD7E28BCD6A		
NECSO 201604.xls	CSO Detailed Outfall Report Form	2016-05-25T10:41:55-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	18EC4D8ECB88C528A515EF680306319199E753232A931A3B4066200E80E8947ADC3EDE450F29BCC14785709FE73A86A5556EED48D6009ACF7672904EED6274		

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>PERMIT VIOLATIONS</b>											
Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

<b>UNAUTHORISED DISCHARGES</b>												
Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

<b>OTHER PERMIT VIOLATIONS</b>				
Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

<b>COMMENTS DETAILS</b>			
Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifiers.	Mary Ellen Senss	S12300	215-685-6258

<b>SUBMISSION INFORMATION</b>			
<p>*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).</p>			
<b>Submitted By GreenPort User</b>	<b>SENSSM</b>	<b>Submitted By Full Name</b>	<b>Mary Ellen Senss</b>
<b>Email Address</b>	maryellen.senss@phila.gov	<b>Document Generated</b>	5/25/2016

# PERMIT NEWPCP - APRIL 2016 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS			LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD <sub>5</sub>		LBS	LBS***	CBOD
			EFF (mg/L)	SS% REM	SS%** REM					CBOD5 %REM	CBOD5** %REM			20 (mg/L)
F	04/01/2016	137	157	4	97	4,563		139	4	97	4,563			
S	04/02/2016	135	165	5	97	5,632		130	8	94	9,012			
Su	04/03/2016	179	119	3	97	4,473		110	5	95	7,454			
M	04/04/2016	132	189	4	98	4,410		139	3	98	3,307			10
T	04/05/2016	171	125	4	97	5,710		124	4	97	5,710			
W	04/06/2016	138	171	4	98	4,612		151	3	98	3,459			8
Th	04/07/2016	140	162	5	97	5,848		121	4	97	4,679			
F	04/08/2016	160	124	4	97	5,342		117	6	95	8,013			
S	04/09/2016	152	153	6	96	7,589		130	5	96	6,324			
Su	04/10/2016	137	145	3	98	3,427		138	4	97	4,570			
M	04/11/2016	138	186	3	98	3,461		124	3	98	3,461			10
T	04/12/2016	140	158	4	97	4,657		120	5	96	5,822			
W	04/13/2016	139	174	3	98	3,483		133	3	98	3,483			9
Th	04/14/2016	141	134	1	99	1,176		126	4	97	4,704			
F	04/15/2016	136	112	2	98	2,271		94	2	98	2,271			
S	04/16/2016	132	156	2	99	2,206		129	4	97	4,412			
Su	04/17/2016	136	119	3	97	3,411		126	4	97	4,548			
M	04/18/2016	135	122	3	98	3,372		144	4	97	4,497			10
T	04/19/2016	183	97	3	97	4,572		127	3	98	4,572			
W	04/20/2016	137	190	3	98	3,430		173	3	98	3,430			9
Th	04/21/2016	149	171	2	99	2,483		148	4	97	4,967			
F	04/22/2016	196	194	3	98	4,901		156	3	98	4,901			
S	04/23/2016	136	246	4	98	4,538		138	4	97	4,538			
Su	04/24/2016	156	171	3	98	3,902		143	3	98	3,902			
M	04/25/2016	140	166	5	97	5,848		139	4	97	4,678			12
T	04/26/2016	127	196	6	97	6,357		135	5	96	5,297			
W	04/27/2016	134	122	3	98	3,364		121	3	98	3,364			12
Th	04/28/2016	146	188	7	96	8,539		124	6	95	7,319			
F	04/29/2016	159	269	5	98	6,622		153	4	97	5,298			
S	04/30/2016	138	68	4	94	4,596		107	5	95	5,745			

TOTAL	4,380	4,749					3,959							
AVERAGE	146	158	4	98		4,493	132	4	97		4,943		10	

Wk1	153	149	4	97	5,426	127	4	97	5,564
Wk2	138	152	3	98	2,955	123	4	97	4,103
Wk3	153	163	3	98	3,815	145	4	97	4,493
Wk4	143	169	5	97	5,604	132	4	97	5,086

MAX 196

CBOD 20 LBS-- 11,506

NPDES/D	MO	<30	>85	<52,540		<25	>86	<36,430
LIMITS	WK	<45		<78,810		<40		<54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - APRIL 2016**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
F 04/01/2016	137	6.9	NS	4.5	0.46	4		
S 04/02/2016	135	6.9	6.9	4.7	0.24	7		
Su 04/03/2016	179	7.0	7.0	6.5	0.25	56		
M 04/04/2016	132	7.0	7.0	5.7	0.31	5		
T 04/05/2016	171	6.9	6.9	6.3	0.27	23		
W 04/06/2016	138	6.9	6.9	6.2	0.29	13		
Th 04/07/2016	140	6.8	6.8	6.2	0.25	21		
F 04/08/2016	160	6.9	6.9	6.2	0.22	15		
S 04/09/2016	152	7.0	7.0	6.4	0.22	15		
Su 04/10/2016	137	6.9	6.9	6.7	0.22	20		
M 04/11/2016	138	7.0	7.0	5.9	0.24	26		
T 04/12/2016	140	6.9	6.9	4.9	0.19	24		
W 04/13/2016	139	6.9	7.0	5.8	0.24	15		
Th 04/14/2016	141	6.9	7.0	4.9	0.15	17		
F 04/15/2016	136	6.8	6.9	4.7	0.21	13		
S 04/16/2016	132	7.0	7.0	4.8	0.19	11		
Su 04/17/2016	136	6.7	6.8	4.8	0.20	21		
M 04/18/2016	135	7.0	7.0	5.5	0.23	49		
T 04/19/2016	183	6.9	6.9	6.0	0.18	33		
W 04/20/2016	137	6.9	7.0	6.2	0.21	17		
Th 04/21/2016	149	6.9	6.9	6.2	0.26	7		
F 04/22/2016	196	6.8	6.9	6.2	0.20	17		
S 04/23/2016	136	6.9	7.0	6.9	0.25	51		
Su 04/24/2016	156	7.0	6.9	6.9	0.19	10		
M 04/25/2016	140	6.8	6.8	7.0	0.18	15		
T 04/26/2016	127	6.9	6.9	7.0	0.21	14		
W 04/27/2016	134	6.8	6.8	6.9	0.17	26		
Th 04/28/2016	146	6.9	6.9	6.9	0.23	10		
F 04/29/2016	159	6.7	6.7	6.8	0.21	8		
S 04/30/2016	138	6.8	6.8	6.9	0.17	4		
TOTAL	4,380	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	146	6.7	7.0	4.5	6.0	0.23	0.46	MEAN
								15

Wk1 153  
Wk2 138  
Wk3 153  
Wk4 143

**MAX**

196 0.46

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - APRIL 2016  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
04/01/2016	0.46	NS	0.46	4.5	NS	4.5	4	NS	4
04/02/2016	0.24	0.24	0.24	4.7	4.7	4.7	7	7	7
04/03/2016	0.22	0.27	0.25	6.4	6.5	6.5	63	50	56
04/04/2016	0.32	0.30	0.31	5.8	5.5	5.7	8	3	5
04/05/2016	0.28	0.25	0.27	6.2	6.3	6.3	19	29	23
04/06/2016	0.35	0.23	0.29	6.0	6.3	6.2	5	32	13
04/07/2016	0.25	0.25	0.25	6.2	6.2	6.2	20	22	21
04/08/2016	0.17	0.27	0.22	6.2	6.2	6.2	37	6	15
04/09/2016	0.24	0.20	0.22	6.3	6.4	6.4	13	17	15
04/10/2016	0.24	0.19	0.22	6.7	6.7	6.7	20	19	20
04/11/2016	0.24	0.24	0.24	5.8	6.0	5.9	33	21	26
04/12/2016	0.15	0.23	0.19	5.0	4.8	4.9	46	12	24
04/13/2016	0.17	0.30	0.24	5.6	6.0	5.8	56	4	15
04/14/2016	0.13	0.16	0.15	4.9	4.8	4.9	26	11	17
04/15/2016	0.19	0.23	0.21	4.6	4.7	4.7	31	5	13
04/16/2016	0.17	0.21	0.19	4.6	4.9	4.8	9	13	11
04/17/2016	0.18	0.22	0.20	4.7	4.8	4.8	38	12	21
04/18/2016	0.20	0.25	0.23	5.4	5.6	5.5	127	19	49
04/19/2016	0.17	0.18	0.18	5.9	6.0	6.0	82	13	33
04/20/2016	0.19	0.23	0.21	6.1	6.2	6.2	23	13	17
04/21/2016	0.28	0.23	0.26	6.1	6.3	6.2	6	9	7
04/22/2016	0.18	0.22	0.20	6.1	6.2	6.2	48	6	17
04/23/2016	0.20	0.30	0.25	6.9	NS	6.9	140	19	51
04/24/2016	0.18	0.20	0.19	6.9	6.9	6.9	23	4	10
04/25/2016	0.16	0.20	0.18	7.0	7.0	7.0	23	10	15
04/26/2016	0.20	0.22	0.21	7.0	7.0	7.0	20	10	14
04/27/2016	0.16	0.17	0.17	6.9	6.9	6.9	64	11	26
04/28/2016	0.20	0.25	0.23	6.9	6.9	6.9	24	4	10
04/29/2016	0.20	0.22	0.21	6.8	6.8	6.8	17	4	8
04/30/2016	0.16	0.17	0.17	6.9	6.9	6.9	9	2	4
Avg	0.22	0.23	0.23	6.0	6.1	6.0	24	10	15

**PERMIT  
NEWPCP - APRIL 2016**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
04/01/2016			
04/02/2016			
04/03/2016			
04/04/2016	156	11	93%
04/05/2016			
04/06/2016	141	9	94%
04/07/2016			
04/08/2016			
04/09/2016			
04/10/2016			
04/11/2016	137	9	93%
04/12/2016			
04/13/2016	138	7	95%
04/14/2016			
04/15/2016			
04/16/2016			
04/17/2016			
04/18/2016	145	7	95%
04/19/2016			
04/20/2016	153	8	95%
04/21/2016			
04/22/2016			
04/23/2016			
04/24/2016			
04/25/2016	148	8	95%
04/26/2016			
04/27/2016	135	8	94%
04/28/2016			
04/29/2016			
04/30/2016			
AVG	144	8	94%

DESIGN - 210 MGD

NEWPCP - APRIL 2016						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
04/01/2016	38	70	29	137	170	0.05
04/02/2016	39	65	32	135	220	0.14
04/03/2016	59	82	38	179	354	T
04/04/2016	44	59	30	132	191	0.28
04/05/2016	51	83	37	171	356	T
04/06/2016	39	69	30	138	178	
04/07/2016	40	72	28	140	174	0.19
04/08/2016	50	77	33	160	248	T
04/09/2016	42	74	35	152	339	0.39
04/10/2016	37	70	29	137	175	
04/11/2016	37	69	32	138	186	T
04/12/2016	32	78	30	140	178	0.31
04/13/2016	34	75	30	139	174	
04/14/2016	36	75	30	141	177	
04/15/2016	34	73	29	136	172	
04/16/2016	32	71	29	132	176	
04/17/2016	32	75	29	136	167	
04/18/2016	34	74	27	135	168	
04/19/2016	56	91	36	183	326	
04/20/2016	40	71	25	137	172	
04/21/2016	45	77	27	149	185	
04/22/2016	55	101	41	196	318	T
04/23/2016	39	69	28	136	177	0.11
04/24/2016	47	73	36	156	387	
04/25/2016	40	71	30	140	166	T
04/26/2016	40	62	25	127	176	0.19
04/27/2016	44	59	32	134	291	
04/28/2016	41	79	26	146	179	0.09
04/29/2016	50	74	34	159	393	T
04/30/2016	41	69	28	138	169	T
TOTAL	1,249	2,205	926	4,380		1.75
AVG	42	74	31	146		
		MIN		127	166	
		MAX		196	393	

\* ADJUSTED FOR RECYCLE.





**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF APRIL 2016**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**04/08/2016**

<b>Toxicity, Ceriodaphnia acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Ceriodaphnia chronic</b>		<b>1</b>
<b>Toxicity, Pimphales acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Pimphales chronic</b>		<b>1</b>

## BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
APRIL 2016	Sludge Flow To	Sludge Processed by		Sludge Flow To	Sludge Processed by	
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD DT		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD DT	
04/01/2016	0.913	1.091	92	1.069	1.174	109.4
04/02/2016	0.909	0.993	81	1.321	1.230	160.7
04/03/2016	0.001	0.193	15	1.325	1.325	167.2
04/04/2016	0.907	0.367	31	1.367	1.400	147.2
04/05/2016	0.916	1.095	120	1.159	1.157	99.9
04/06/2016	0.893	0.764	59	0.881	0.677	54.5
04/07/2016	0.917	0.708	92	0.000	0.283	27.0
04/08/2016	0.902	1.697	157	0.084	0.000	0.0
04/09/2016	0.908	0.925	90	1.311	1.445	129.7
04/10/2016	0.924	0.523	42	2.249	2.157	174.6
04/11/2016	0.913	1.173	102	1.065	1.295	112.3
04/12/2016	0.902	0.751	63	1.759	1.737	148.4
04/13/2016	0.915	0.942	81	1.062	0.848	67.5
04/14/2016	0.914	0.947	76	0.568	0.628	54.4
04/15/2016	0.913	0.950	77	0.922	0.984	75.3
04/16/2016	0.940	1.127	97	0.964	1.033	98.8
04/17/2016	0.892	0.740	57	1.861	1.651	149.9
04/18/2016	0.903	1.027	80	1.107	1.056	98.6
04/19/2016	0.904	0.936	69	1.185	1.507	117.1
04/20/2016	0.891	0.882	73	1.182	1.136	102.9
04/21/2016	0.000	0.000	0	1.143	1.523	119.4
04/22/2016	0.899	0.895	72	1.229	1.038	76.0
04/23/2016	0.913	0.931	78	1.181	1.321	109.7
04/24/2016	0.946	0.927	77	1.044	0.916	100.6
04/25/2016	0.926	0.926	75	1.437	1.518	140.6
04/26/2016	0.926	0.936	89	1.120	0.785	70.9
04/27/2016	0.913	0.707	57	1.399	1.586	119.9
04/28/2016	0.923	0.934	81	1.563	0.985	110.2
04/29/2016	0.869	0.132	12	0.701	0.938	183.3
04/30/2016	0.000	0.758	84	0.788	0.537	63.6
<b>TOTAL</b>	24.592	24.975	2,181	34.046	33.871	3,189
<b>AVERAGE</b>	0.820	0.833	73	1.135	1.129	106

NE Daily Composite

Report Date: 05/23/2016

WW160404-002

Composite 04/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/5/2016	8:00	4/5/2016	9:00	146	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 116%. Acceptance limit is 85-115%
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WW160404-003

Composite 04/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/5/2016	8:00	4/5/2016	9:00	156	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 116%. Acceptance limit is 85-115%
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WW160404-004

Composite 04/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/5/2016	8:00	4/5/2016	9:00	149	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 116%. Acceptance limit is 85-115%
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WW160412-001

Composite 04/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/12/2016	7:30	4/13/2016	9:02	152	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 73%. Acceptance limit is 85-115%
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WW160412-002

Composite 04/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/13/2016	7:30	4/13/2016	9:02	180	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 73%. Acceptance limit is 85-115%
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WW160412-003

Composite 04/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/13/2016	7:30	4/13/2016	9:02	190	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 73%. Acceptance limit is 85-115%
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WW160412-004

Composite 04/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/13/2016	7:30	4/13/2016	8:40	4	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 73%. Acceptance limit is 85-115%
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WW160414-001

Composite 04/14/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/15/2016	7:30	4/15/2016	8:50	145	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 50%. Acceptance limit is 85-115%
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WW160414-002

Composite 04/14/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/15/2016	7:30	4/15/2016	8:50	189	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 50%. Acceptance limit is 85-115%
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WW160414-003

Composite 04/14/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/15/2016	7:30	4/15/2016	8:50	227	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 50%. Acceptance limit is 85-115%
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WW160414-004

Composite 04/14/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/15/2016	7:30	4/15/2016	8:25	1	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 50%. Acceptance limit is 85-115%.
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WW160418-002

Composite 04/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/19/2016	7:30	4/19/2016	8:53	145	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 62.5%. Acceptance limit is 85-115%
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/19/2016	7:30	4/19/2016	8:53	200	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 62.5%. Acceptance limit is 85-115%.
------------------------	---

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/19/2016	7:30	4/19/2016	8:53	180	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 62.5%. Acceptance limit is 85-115%.
------------------------	---

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/20/2016	7:30	4/20/2016	8:32	160	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 60%. Acceptance limit is 85-115%.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/20/2016	7:30	4/20/2016	8:32	180	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 60%. Acceptance limit is 85-115%
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WW160419-003

Composite 04/19/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/20/2016	7:30	4/20/2016	8:32	153	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 60%. Acceptance limit is 85-115%
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WW160419-004

Composite 04/19/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/20/2016	7:30	4/20/2016	8:03	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 60%. Acceptance limit is 85-115%
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WW160424-001

Composite 04/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/25/2016	8:50	4/25/2016	10:50	155	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%.
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WW160424-002

Composite 04/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/25/2016	8:50	4/25/2016	10:50	200	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%.
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WW160424-003

Composite 04/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/25/2016	8:50	4/25/2016	10:50	160	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%
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WW160424-004

Composite 04/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/25/2016	8:08	4/25/2016	10:20	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%.
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WW160425-002

Composite 04/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/26/2016	8:48	4/26/2016	10:54	187	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limits are 85-115%.
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WW160425-003

Composite 04/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/26/2016	8:48	4/26/2016	10:54	247	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%.
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WW160425-004

Composite 04/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/26/2016	8:48	4/26/2016	10:54	233	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%.
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WW160426-001

Composite 04/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/27/2016	8:40	4/27/2016	10:50	227	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 75%. Acceptance limit is 85-115%
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WW160426-002

Composite 04/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/27/2016	8:40	4/27/2016	10:50	310	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 75%. Acceptance limit is 85-115%.
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WW160426-003

Composite 04/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/27/2016	8:40	4/27/2016	10:50	260	mg/L	2.5	mg/L

Data Qualifiers:

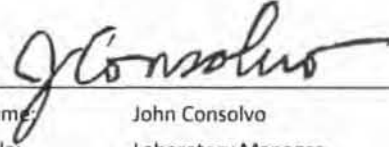
Solids Suspended Total	Check Std recovery is 75%. Acceptance limit is 85-115%.
------------------------	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 5/23/2016

NE Daily Special

Report Date: 05/23/2016

WW160404-005

Composite 24h 04/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/5/2016	8:00	4/5/2016	9:00	5	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 116%. Acceptance limit is 85-115%
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WW160418-005

Composite 24h 04/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/19/2016	7:30	4/19/2016	8:14	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 62.5%. Acceptance limit is 85-115%.
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WW160425-005

Composite 24h 04/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/26/2016	8:08	4/26/2016	10:23	5	mg/L	2.5	mg/L

Data Qualifiers:


Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%.
------------------------	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 5/23/2016

NE WET Testing Composite

Report Date: 05/03/2016

WW160404-025

Composite 24h 04/04/2016 00:59

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/4/2016	14:45	4/9/2016	8:50	3	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Control Sample (LCS) recovery is 150 mg/L. Acceptance limits are 168-229 mg/L.
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WW160406-025

Composite 24h 04/06/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/6/2016	13:50	4/11/2016	11:20	2.1	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Control Sample (LCS) recovery is 161 mg/L. Acceptance limits are 168 to 229 mg/L.
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WW160408-024

Composite 24h 04/08/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
2,4-Dinitrophenol <sup>B,D</sup>	EPA 625	4/13/2016	9:00	4/15/2016	0:21	<38 <sup>E</sup>	µg/L	38	µg/L
4,4'-DDD <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
4,4'-DDE <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Aldrin <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
alpha-BHC <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Benzidine <sup>B,D</sup>	EPA 625	4/13/2016	9:00	4/15/2016	0:21	<56 <sup>E</sup>	µg/L	56	µg/L

beta-BHC <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Chlordane <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.40 <sup>E</sup>	µg/L	0.4	µg/L
delta-BHC <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Dieldrin <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endosulfan I <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	0.01 <sup>E</sup>	µg/L	0.0081	µg/L
Endosulfan II <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endosulfan sulfate <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endrin <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.081 <sup>E</sup>	µg/L	0.081	µg/L
gamma-BHC <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	0.01 <sup>E</sup>	µg/L	0.0081	µg/L
Heptachlor <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Heptachlor epoxide <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	4/13/2016	9:00	4/15/2016	0:21	<14 <sup>E</sup>	µg/L	14	µg/L
Toxaphene <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.81 <sup>E</sup>	µg/L	0.81	µg/L

Data Qualifiers:

2,4-Dinitrophenol	The recovery of the matrix spike is 34% and the recovery of the matrix spike dup is 52% which are both outside the acceptance limits of 72-110%. The RPD is 41, which is outside the acceptance limit of = 30.
4,4'-DDD	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
4,4'-DDE	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
4,4'-DDT	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Aldrin	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
alpha-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Benzidine	The recovery of the matrix spike is 9% and the recovery of the matrix spike dup is 12% which are both outside the acceptance limits of 21-107%. The RPD is 33, which is outside the acceptance limit of = 30.

beta-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Chlordane	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
delta-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Dieldrin	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Endosulfan I	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Endosulfan II	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Endosulfan sulfate	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Endrin	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Endrin aldehyde	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
gamma-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Heptachlor	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Heptachlor epoxide	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Hexachlorocyclopentadiene	The recovery of the LCS is 19%, which is outside the acceptance limits of 24-128%, but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD standards.
Toxaphene	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.

Legend

A - Results reported on a basis other than as received, e.g. dry weight.

B - Tests performed are not covered by BLS's scope of accreditation.

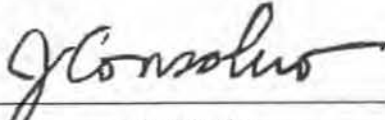
C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



A handwritten signature in black ink, appearing to read "J. Consolvo", is written over a horizontal line that serves as a signature line.

Name: John Consolvo

Title: Laboratory Manager

Date: 5/23/2016





**Debra A. McCarty, Water Commissioner**

June 27, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for May 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Submitted By : Mary Ellen Senss**

**Submission Id : 21960**

**Submission Status : Received**

**Facility Name : PHILA WATER DEPT - NORTHEAST WPC PLANT**

**Permit Number : PA0026689**

**Report Type : Monthly**

**Monitoring Report Period : 05/01/2016-05/31/2016**

**Monitoring Report Due Date : 06/28/2016**

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for May 2016

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

**HEADER INFORMATION**

<b>Facility ID:</b>	479063	<b>Facility Name:</b>	PHILA WATER DEPT - NORTHEAST WPC PLANT	<b>Location Address:</b>	3899 RICHMOND ST, PHILADELPHIA PA, 19137
<b>Permit Number:</b>	PA0026689	<b>Monitoring Period:</b>	05/01/2016-05/31/2016	<b>Mailing Address:</b>	1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994

**PARAMETERS REPORTED VALUES**

Sampling Point		001		Stage Code		Final Effluent		No Discharge Indicator	N	
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
Dissolved Oxygen	Sample Measurement	***	***	***	3.4	5.4	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.4	***	7.0	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	9114	14225	lbs/day	***	6	7	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	6.48	8.00	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.690	.854	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	2.655	3.270	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	7.88	9.60	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.653	.969	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	.040	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0080	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.1900	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

Iron, Dissolved	Sample Measurement	***	***	***	***	.0490	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0290	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	158	322	MGD	***	***	***	***	Measured	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.22	.35	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	37	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	7806	9930	lbs/day	***	6	6	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	19845	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	95	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	96	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>ATTACHMENT DETAILS</b>			
<b>File Name</b>	<b>Attachment Type</b>	<b>Uploaded Time</b>	<b>Attachment Comment</b>
E-NPDES NE201605.xls	Daily Effluent Monitoring Form	2016-06-24T13:21:47-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	65F260F84EA981526D694F430E5F90EA457A320789C87ACA669F72AF3EE0AB6B18EF89E326B467897E206D6C0BE19635CEAF2B48CF170696C98E5152262B5DC7		
NE Outfall Monthly Composite (06-22-2016).pdf	Laboratory Accreditation Form	2016-06-24T10:50:10-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	256045098982FF13BBD13F8917C796D427BA2DEC4DC9517A9123AAC73654FC1BEC2BB324BD706FA5D10154AAC91810EDBD33C336289200B6B501154F0DAC5E5E		
NE Daily Special (06-22-2016).pdf	Laboratory Accreditation Form	2016-06-24T10:49:30-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	948193C651E7AAA0567FF078BCDBF4645A625298CFA0634BBEABB61B800F34B76E07B9FAE0C71F1B89EC87DE540DBF278917F456EDED0978E935438C9451ED85		
NE Daily Composite (06-22-2016).pdf	Laboratory Accreditation Form	2016-06-24T10:49:03-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	6BFD904DE5DC05E89627A296849542745CBA7894E1AFD192581B1A792DBCEDDC2BA4143B32CDE8B0AD3A1C012F255103AC29D4119D5DDA99A043EBD6F670C154		
NE WW NPDES Weekly (06-22-2016).pdf	Laboratory Accreditation Form	2016-06-24T10:51:02-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	DA0AB0966F9F7461EF60E92FD0860B950BEFE32251FF69ACE9CBA6FBEE2118E6C8BE2CFF76206A63768B56907A517FC7A40758AE4D470022F981429CC8A585F0		
WW NPDES Monthly Influent Composite (06-22-2016).pdf	Laboratory Accreditation Form	2016-06-24T14:02:36-04:00	This data qualifier report was added to this revised submittal.
<b>Cryptographic Hash Value of File (SHA-512)</b>	A61CD881B1A3AC5D4A304077F43674616E58FBB5669AD0617D519801CFE5D0FAAD276B9D429EFA407DD0E0C1A5988DF8B99CC5E41A69CD1AE8683FB61D138BC2		
BLSNE201605.xls	Nutrient Monitoring Form	2016-06-24T10:47:18-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	4660D596B7A16CF858DCAC6C2583E3D78F4295030314CCC6B9BFE5B13DA359E3A86A047DBFD0E5C38066863C65E1F0E29687DB489F6248DF2C9FEE963D9CD17D		
201605SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-06-24T10:48:21-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	CE4950441F1938CD6B2FB4D0CD16983369293AE5097D258C31C79E9460BFBC7035CA9A52BE0376C8E3D4D66F5BC94AB93EB3C2F7D60556166696078DD443D602		
NECSO 201605.xls	CSO Detailed Outfall Report Form	2016-06-24T10:47:56-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	895BA5D55E3FD937E4358B9C2AB86B30BAE68003F03B8EC5E5B85AA8B1B259C000FA6694E4897207E0D54DD6927A3C445750C532F7288791F053E2F84491247C		

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>PERMIT VIOLATIONS</b>											
Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

<b>UNAUTHORISED DISCHARGES</b>												
Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

<b>OTHER PERMIT VIOLATIONS</b>				
Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

<b>COMMENTS DETAILS</b>			
Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Mary Ellen Senss	S12300	215-685-6258

<b>SUBMISSION INFORMATION</b>			
<p>*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).</p>			
Submitted By GreenPort User	SENSSM	Submitted By Full Name	Mary Ellen Senss
Email Address	maryellen.senss@phila.gov	Document Generated	6/24/2016

# PERMIT NEWPCP - MAY 2016 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	

Su	05/01/2016	217	120	7	94	12,696	104	6	94	10,883	
M	05/02/2016	195	154	6	96	9,759	111	6	95	9,759	17
T	05/03/2016	268	103	5	95	11,185	97	5	95	11,185	
W	05/04/2016	151	168	4	98	5,048	126	4	97	5,048	15
Th	05/05/2016	158	116	6	95	7,907	124	4	97	5,272	
F	05/06/2016	322	124	17	86	45,592	67	8	88	21,455	
S	05/07/2016	177	123	5	96	7,388	102	4	96	5,910	
Su	05/08/2016	167	185	5	97	6,974	143	5	97	6,974	
M	05/09/2016	149	151	3	98	3,726	136	6	96	7,453	15
T	05/10/2016	141	173	5	97	5,880	161	5	97	5,880	
W	05/11/2016	133	170	6	96	6,649	147	6	96	6,649	15
Th	05/12/2016	135	172	4	98	4,488	154	5	97	5,610	
F	05/13/2016	151	186	6	97	7,545	149	6	96	7,545	
S	05/14/2016	138	177	6	97	6,890	127	5	96	5,742	
Su	05/15/2016	131	174	4	98	4,366	125	4	97	4,366	
M	05/16/2016	125	200	3	99	3,118	151	5	97	5,197	14
T	05/17/2016	134	174	5	97	5,589	144	6	96	6,707	
W	05/18/2016	121	143	4	97	4,051	123	5	96	5,063	13
Th	05/19/2016	112	142	6	96	5,603	151	5	97	4,669	
F	05/20/2016	113	181	5	97	4,693	151	5	97	4,693	
S	05/21/2016	219	205	17	92	31,026	134	13	90	23,726	
Su	05/22/2016	138	165	7	96	8,084	124	6	95	6,929	
M	05/23/2016	178	203	10	95	14,833	130	8	94	11,866	25
T	05/24/2016	130	94	5	95	5,417	108	5	95	5,417	
W	05/25/2016	121	75	3	96	3,032	124	4	97	4,043	12
Th	05/26/2016	120	150	5	97	5,022	129	4	97	4,018	
F	05/27/2016	116	200	4	98	3,872	140	6	96	5,808	
S	05/28/2016	110	215	4	98	3,655	147	4	97	3,655	
Su	05/29/2016	211	231	13	94	22,891	124	10	92	17,608	
M	05/30/2016	191	173	7	96	11,162	102	6	94	9,567	
T	05/31/2016	132	224	4	98	4,392	142	3	98	3,294	

TOTAL	4,904	5,071					3,997				
AVERAGE	158	164	6	96	9,114		129	6	95	7,806	16

Wk1	213	130	7	94	14,225	104	5	94	9,930
Wk2	145	173	5	97	6,022	145	5	96	6,550
Wk3	136	174	6	96	8,349	140	6	96	7,774
Wk4	130	157	5	96	6,274	129	5	96	5,962

MAX	322
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CBOD 20 LBS--	19,845
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NPDES/D  
LIMITS

MO	<30	>85	<52,540
WK	<45		<78,810

<25	>86	<36,430
<40		<54,645

CBOD 20 LBS--	<71,760
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- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - MAY 2016**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
Su 05/01/2016	217	6.8	6.9	3.5	0.30	69		
M 05/02/2016	195	6.8	6.8	4.6	0.20	26		
T 05/03/2016	268	6.5	6.5	4.4	0.23	263		
W 05/04/2016	151	6.8	6.9	5.2	0.21	32		
Th 05/05/2016	158	6.8	6.9	6.1	0.32	6		
F 05/06/2016	322	6.9	7.0	3.8	0.35	204		
S 05/07/2016	177	6.6	6.7	6.2	0.13	93		
Su 05/08/2016	167	6.8	6.8	5.5	0.27	16		
M 05/09/2016	149	6.9	6.9	6.4	0.24	6		
T 05/10/2016	141	6.7	6.9	6.3	0.32	7		
W 05/11/2016	133	6.8	6.8	5.9	0.21	40		
Th 05/12/2016	135	7.0	7.0	5.6	0.24	107		
F 05/13/2016	151	6.9	6.9	5.1	0.20	44		
S 05/14/2016	138	6.8	6.8	4.4	0.25	12		
Su 05/15/2016	131	6.9	6.9	4.7	0.21	54		
M 05/16/2016	125	6.9	6.9	5.3	0.21	45		
T 05/17/2016	134	6.9	6.9	5.8	0.21	38		
W 05/18/2016	121	6.8	6.8	6.0	0.22	15		
Th 05/19/2016	112	6.8	6.8	6.0	0.22	27		
F 05/20/2016	113	6.9	6.8	6.0	0.22	44		
S 05/21/2016	219	6.8	6.8	6.0	0.21	93		
Su 05/22/2016	138	6.5	6.5	6.0	0.21	210		
M 05/23/2016	178	6.9	6.8	5.7	0.20	48		
T 05/24/2016	130	6.6	6.6	6.0	0.17	98		
W 05/25/2016	121	6.9	6.9	6.0	0.20	44		
Th 05/26/2016	120	6.8	6.8	5.7	0.20	36		
F 05/27/2016	116	6.8	6.8	5.7	0.25	14		
S 05/28/2016	110	6.8	6.8	6.0	0.19	33		
Su 05/29/2016	211	6.8	6.8	5.4	0.13	44		
M 05/30/2016	191	6.4	6.4	3.4	0.25	10		
T 05/31/2016	132	6.6	6.7	4.2	0.25	23		
TOTAL	4,904	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	158	6.4	7.0	3.4	5.4	0.22	0.35	MEAN
								37

Wk1 213  
Wk2 145  
Wk3 136  
Wk4 130

**MAX**

322

0.345

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.



**PERMIT  
NEWPCP - MAY 2016  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
05/01/2016	0.34	0.25	0.30	3.6	3.3	3.5	76	62	69
05/02/2016	0.20	0.19	0.20	4.4	4.8	4.6	41	16	26
05/03/2016	0.25	0.20	0.23	4.3	4.4	4.4	238	291	263
05/04/2016	0.17	0.24	0.21	5.1	5.2	5.2	70	15	32
05/05/2016	0.35	0.29	0.32	5.9	6.2	6.1	10	4	6
05/06/2016	0.34	0.35	0.35	3.7	3.8	3.8	435	96	204
05/07/2016	0.10	0.16	0.13	6.0	6.3	6.2	236	37	93
05/08/2016	0.27	0.26	0.27	5.5	5.5	5.5	18	15	16
05/09/2016	0.25	0.22	0.24	6.3	6.4	6.4	8	5	6
05/10/2016	0.31	0.32	0.32	6.3	6.3	6.3	16	3	7
05/11/2016	0.17	0.24	0.21	5.8	6.0	5.9	50	32	40
05/12/2016	0.19	0.28	0.24	5.5	5.6	5.6	214	54	107
05/13/2016	0.16	0.24	0.20	4.9	5.2	5.1	114	17	44
05/14/2016	0.23	0.26	0.25	4.2	4.5	4.4	16	10	12
05/15/2016	0.19	0.22	0.21	4.4	4.9	4.7	75	38	54
05/16/2016	0.19	0.22	0.21	5.0	5.5	5.3	78	26	45
05/17/2016	0.20	0.21	0.21	5.7	5.8	5.8	44	33	38
05/18/2016	0.21	0.22	0.22	5.9	6.0	6.0	19	12	15
05/19/2016	0.21	0.23	0.22	5.9	6.0	6.0	53	13	27
05/20/2016	0.21	0.22	0.22	6.0	6.0	6.0	36	52	44
05/21/2016	0.20	0.21	0.21	5.9	6.0	6.0	160	55	93
05/22/2016	0.17	0.24	0.21	5.8	6.2	6.0	579	76	210
05/23/2016	0.20	0.19	0.20	5.6	5.8	5.7	46	50	48
05/24/2016	0.17	0.17	0.17	5.9	6.0	6.0	167	57	98
05/25/2016	0.18	0.21	0.20	5.9	6.0	6.0	86	23	44
05/26/2016	0.19	0.20	0.20	5.6	5.7	5.7	78	17	36
05/27/2016	0.23	0.26	0.25	5.7	5.7	5.7	28	7	14
05/28/2016	0.18	0.20	0.19	5.9	6.0	6.0	64	17	33
05/29/2016	0.13	0.13	0.13	5.2	5.6	5.4	73	27	44
05/30/2016	0.27	0.23	0.25	3.4	3.4	3.4	9	12	10
05/31/2016	0.27	0.23	0.25	4.1	4.3	4.2	22	24	23
Avg	0.22	0.23	0.22	5.3	5.4	5.4	57	24	37

**PERMIT  
NEWPCP - MAY 2016**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
05/01/2016			
05/02/2016	126	12	90%
05/03/2016			
05/04/2016	131	8	94%
05/05/2016			
05/06/2016			
05/07/2016			
05/08/2016			
05/09/2016	144	8	94%
05/10/2016			
05/11/2016	152	10	93%
05/12/2016			
05/13/2016			
05/14/2016			
05/15/2016			
05/16/2016	147	10	93%
05/17/2016			
05/18/2016	140	12	91%
05/19/2016			
05/20/2016			
05/21/2016			
05/22/2016			
05/23/2016	137	24	82%
05/24/2016			
05/25/2016	143	13	91%
05/26/2016			
05/27/2016			
05/28/2016			
05/29/2016			
05/30/2016			
05/31/2016			
AVG	140	12	91%

DESIGN - 210 MGD

<b>NEWPCP - MAY 2016</b>						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
05/01/2016	70	102	45	217	376	0.61
05/02/2016	60	94	41	195	390	0.27
05/03/2016	117	70	81	268	347	0.34
05/04/2016	42	77	32	151	230	0.02
05/05/2016	45	78	35	158	385	T
05/06/2016	90	162	69	322	469	1.15
05/07/2016	58	82	37	177	290	0.08
05/08/2016	49	84	34	167	293	0.05
05/09/2016	43	74	32	149	226	
05/10/2016	42	69	30	141	217	0.02
05/11/2016	43	60	30	133	193	T
05/12/2016	42	61	32	135	202	
05/13/2016	46	70	35	151	315	0.20
05/14/2016	40	66	32	138	227	0.10
05/15/2016	38	64	29	131	169	
05/16/2016	35	61	28	125	157	
05/17/2016	40	62	33	134	257	0.12
05/18/2016	34	59	29	121	184	T
05/19/2016	49	34	28	112	166	T
05/20/2016	51	34	28	113	151	
05/21/2016	81	87	50	219	405	1.96
05/22/2016	52	55	31	138	235	0.11
05/23/2016	62	76	41	178	425	0.08
05/24/2016	48	52	30	130	158	0.03
05/25/2016	47	46	29	121	157	
05/26/2016	45	45	31	120	154	
05/27/2016	44	41	31	116	187	
05/28/2016	44	32	33	110	151	
05/29/2016	69	89	54	211	465	0.59
05/30/2016	60	91	40	191	360	0.92
05/31/2016	44	54	33	132	304	
<b>TOTAL</b>	<b>1,629</b>	<b>2,130</b>	<b>1,145</b>	<b>4,904</b>		<b>6.65</b>
<b>AVG</b>	<b>53</b>	<b>69</b>	<b>37</b>	<b>158</b>		
		<b>MIN</b>		<b>110</b>	<b>151</b>	
		<b>MAX</b>		<b>322</b>	<b>469</b>	

\* ADJUSTED FOR RECYCLE.

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF MAY 2016

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
05/04/2016	0.619	3.090	3.90	5.40	0.550
05/11/2016	0.723	3.270	8.00	9.20	0.717
05/18/2016	0.854	2.470	8.00	9.60	0.969
05/25/2016	0.562	1.790	6.00	7.30	0.375
<b>AVG</b>	0.690	2.655	6.48	7.88	0.653
<b>MAX</b>	0.854	3.270	8.00	9.60	0.969

**Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
05/05/2016	< 0.040

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	05/04/2016
Copper	0.0080
Iron	0.1900
Iron Dissolved	0.0490
Lead	< 0.0030
Zinc	0.0290

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	05/02/2016
1,2-Dichloroethane	< 0.0025
Chloroform	< 0.0025
Chlorodibromomethane	< 0.0025
Tetrachloroethylene	< 0.0025
Trichloroethylene	< 0.0025

## BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
MAY 2016	Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP MGD	Sludge Processed by Biosolids Recycle Center / Synagro MGD	DT	Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP MGD	Sludge Processed by Biosolids Recycle Center / Synagro MGD	DT
05/01/2016	0.891	1.052	131	0.601	0.829	118.2
05/02/2016	0.918	0.923	93	1.236	1.322	118.5
05/03/2016	0.927	0.710	66	1.666	1.678	148.6
05/04/2016	0.919	0.499	43	1.260	0.862	73.4
05/05/2016	0.908	1.106	98	1.448	1.556	135.4
05/06/2016	0.902	1.345	106	1.072	1.523	158.5
05/07/2016	0.873	0.101	10	2.038	1.796	197.2
05/08/2016	0.000	0.535	57	0.955	0.755	89.3
05/09/2016	0.925	1.126	102	0.950	1.468	196.0
05/10/2016	0.918	0.512	52	2.285	1.961	170.7
05/11/2016	0.000	0.380	34	1.418	1.254	138.1
05/12/2016	0.891	0.900	79	0.298	0.649	72.0
05/13/2016	0.917	0.772	72	1.673	1.475	139.4
05/14/2016	0.920	0.715	62	1.211	1.371	105.9
05/15/2016	0.944	1.341	115	1.186	1.240	105.8
05/16/2016	0.877	0.882	76	1.205	1.469	217.8
05/17/2016	0.892	0.901	84	1.081	0.945	154.1
05/18/2016	0.875	0.847	69	1.381	0.944	91.2
05/19/2016	0.877	0.612	51	1.182	1.290	112.4
05/20/2016	0.885	0.922	75	1.276	1.293	98.5
05/21/2016	0.891	1.057	87	1.103	1.196	116.1
05/22/2016	0.878	0.781	61	1.481	1.772	146.6
05/23/2016	0.874	0.966	74	0.639	0.072	9.2
05/24/2016	0.882	0.821	66	0.795	0.981	99.4
05/25/2016	0.880	0.903	73	0.683	0.719	58.2
05/26/2016	0.878	0.906	71	1.187	1.178	101.5
05/27/2016	0.000	0.096	6	1.144	1.408	117.3
05/28/2016	0.920	0.595	57	1.947	1.711	167.7
05/29/2016	0.938	1.259	115	1.207	1.549	137.6
05/30/2016	0.924	0.910	83	1.304	0.853	75.0
05/31/2016	0.911	0.074	6	1.173	1.460	129.6
<b>TOTAL</b>	25.238	24.548	2,175	38.083	38.583	3,799
<b>AVERAGE</b>	0.814	0.792	70	1.228	1.245	123

NE Daily Composite

Report Date: 06/20/2016

WW160501-001

Composite 05/01/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/2/2016	11:46	5/7/2016	6:55	100	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 119%. Acceptance limit is 85-115%
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WW160501-002

Composite 05/01/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/2/2016	11:46	5/7/2016	6:55	120	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 119%. Acceptance limit is 85-115%
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WW160501-003

Composite 05/01/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/2/2016	11:46	5/7/2016	6:55	121	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 119%. Acceptance limit is 85-115%.
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WW160501-004

Composite 05/01/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/2/2016	11:46	5/7/2016	6:55	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 119%. Acceptance limit is 85-115%.
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WW160502-002

Composite 05/02/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/3/2016	8:55	5/3/2016	10:53	165	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%
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WW160502-003

Composite 05/02/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/3/2016	8:55	5/3/2016	10:53	193	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%
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WW160502-004

Composite 05/02/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/2/2016	8:55	5/3/2016	10:53	193	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%
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WW160505-001

Composite 05/05/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/6/2016	8:40	5/6/2016	10:55	145	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limit is 85-115%
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WW160505-002

Composite 05/05/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/6/2016	8:40	5/6/2016	10:55	133	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limit is 85-115%.
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WW160505-003

Composite 05/05/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/6/2016	8:40	5/6/2016	10:55	180	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limit is 85-115%
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/6/2016	8:05	5/6/2016	10:20	6	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limit is 85-115%.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/12/2016	12:40	5/17/2016	7:20	141	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	5/12/2016	8:35	5/12/2016	11:00	187	mg/L	2.5	mg/L

## Data Qualifiers:

CBOD5	LFB recovery is 116%. Acceptance limit is 85-115%.
Solids Suspended Total	Check Std recovery is 65%. Acceptance limit is 85-115%.

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/12/2016	12:40	5/17/2016	7:20	187	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	5/12/2016	8:35	5/12/2016	11:00	210	mg/L	2.5	mg/L

## Data Qualifiers:

CBOD5	LFB recovery is 116%. Acceptance limit is 85-115%
Solids Suspended Total	Check Std recovery is 65%. Acceptance limit is 85-115%.

WW160511-004

Composite 05/11/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/12/2016	12:40	5/17/2016	7:20	140	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	5/12/2016	8:35	5/12/2016	11:00	167	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 116%. Acceptance limit is 85-115%.
Solids Suspended Total	Check Std recovery is 65%. Acceptance limit is 85-115%.

WW160515-001

Composite 05/15/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/16/2016	8:25	5/16/2016	10:38	173	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%.Acceptance limit is 85-115%.
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WW160515-002

Composite 05/15/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/16/2016	8:25	5/16/2016	10:38	230	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limit is 85-115%.
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WW160515-003

Composite 05/15/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/16/2016	8:25	5/16/2016	10:38	227	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limit is 85-115%
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WW160515-004

Composite 05/15/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/16/2016	7:57	5/16/2016	10:10	4	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limit is 85-115%.
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WW160516-002

Composite 05/16/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/17/2016	8:43	5/17/2016	11:00	175	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%
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WW160516-003

Composite 05/16/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/17/2016	8:43	5/17/2016	11:00	192	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%
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WW160516-004

Composite 05/16/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/17/2016	8:43	5/17/2016	11:00	213	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%
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WW160518-002

Composite 05/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/19/2016	8:30	5/19/2016	11:00	133	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 70%. Acceptancelimit is 85-115%
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WW160518-003

Composite 05/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/19/2016	8:30	5/19/2016	11:00	200	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 70%. Acceptance limit is 85-115%.
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WW160518-004

Composite 05/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/19/2016	8:30	5/19/2016	11:00	217	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 70%. Acceptance limit is 85-115%.
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WW160519-001

Composite 05/19/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/20/2016	8:20	5/20/2016	10:30	155	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limit is 85-115%.
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WW160519-002

Composite 05/19/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/20/2016	8:20	5/20/2016	10:30	192	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limit is 85-115%
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WW160519-003

Composite 05/19/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/20/2016	8:20	5/20/2016	10:30	192	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limit is 85-115%.
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WW160519-004

Composite 05/19/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/20/2016	7:48	5/20/2016	10:00	6	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 80%. Acceptance limit is 85-115%.
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WW160523-002

Composite 05/23/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/24/2016	7:53	5/24/2016	9:58	200	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 72.5%. Acceptance limit is 85-115%.
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WW160523-003

Composite 05/23/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/24/2016	7:53	5/24/2016	9:58	240	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 72.5%. Acceptance limits are 85-115%.
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WW160523-004

Composite 05/23/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/24/2016	7:53	5/24/2016	9:58	233	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 72.5%. Acceptance limit is 85-115%.
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WW160524-001

Composite 05/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/25/2016	7:58	5/25/2016	10:03	150	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 70%. Acceptance limits are 85-115%.
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WW160524-002

Composite 05/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/25/2016	7:58	5/25/2016	10:03	193	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 70%. Acceptance limit is 85-115%.
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WW160524-003

Composite 05/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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Solids Suspended Total	SM 2540 D	5/25/2016	7:58	5/25/2016	10:03	167	mg/L	2.5	mg/L
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Data Qualifiers:

Solids Suspended Total	Check Std recovery is 70%. Acceptance limit is 85-115%.
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WW160524-004

Composite 05/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/25/2016	7:38	5/25/2016	9:44	5	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 70%. Acceptance limit is 85-115%
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WW160526-001

Composite 05/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/27/2016	7:59	5/27/2016	10:10	160	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 122.5%. Acceptance limit is 85-115%
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WW160526-002

Composite 05/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/27/2016	7:59	5/27/2016	10:10	193	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 122.5%. Acceptance limit is 85-115%.
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WW160526-003

Composite 05/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/27/2016	7:59	5/27/2016	10:10	167	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 122.5%. Acceptance limit is 85-115%.
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WW160526-004

Composite 05/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/27/2016	7:59	5/27/2016	9:41	5	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 122.5%. Acceptance limit is 85-115%.
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WW160527-001

Composite 05/27/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/28/2016	10:20	6/2/2016	8:25	127	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 118%. Acceptance limit is 85-115%.
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WW160527-002

Composite 05/27/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/28/2016	10:20	6/2/2016	8:25	154	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 118%. Acceptance limit is 85-115%.
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WW160527-003

Composite 05/27/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/28/2016	10:20	6/2/2016	8:25	144	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 118%. Acceptance limit is 85-115%.
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WW160527-004

Composite 05/27/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/28/2016	10:20	6/2/2016	8:25	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 118%. Acceptance limit is 85-115%.
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WW160530-001

Composite 05/30/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/31/2016	9:35	6/5/2016	6:30	96	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB is NR due to analyst error. GGA was not added to BOD bottle.
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WW160530-003

Composite 05/30/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/31/2016	9:35	6/5/2016	6:30	106	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB is NR due to analyst error. GGA was not added to BOD bottle
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WW160530-004

Composite 05/30/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/31/2016	9:35	6/5/2016	6:30	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB is NR due to analyst error. GGA was not added to BOD bottle.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 6/20/2016

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Special

Report Date: 06/20/2016

WW160502-005

Composite 24h 05/02/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/3/2016	8:12	5/3/2016	10:15	6	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%.
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WW160511-005

Composite 24h 05/11/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 5210 B	5/12/2016	8:08	5/12/2016	10:40	6	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 65%. Acceptance limit is 85-115%
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WW160516-005

Composite 24h 05/16/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/17/2016	8:18	5/17/2016	10:27	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%
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WW160518-005

Composite 24h 05/18/2016 06:00

Parameter	Analytical Method	Sample Preparation	Sample Preparation	Sample Analysis Date	Sample Analysis	Analysis Result	Units	Quantitation Limit	Units
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Solids Suspended Total	SM 2540 D	5/19/2016	8:05	5/19/2016	10:20	4	mg/L	2.5	mg/L
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Data Qualifiers:

Solids Suspended Total	Check Std recovery is 70%. Acceptance limit is 85-115%.
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WW160523-005

Composite 24h 05/23/2016 06:00

Parameter	Analytical Method	Sample Preparation	Sample Preparation	Sample Analysis Date	Sample Analysis	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/24/2016	7:30	5/24/2016	9:30	10	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 72.5%. Acceptance limit is 85-115%
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WW160525-005

Composite 24h 05/25/2016 06:00

Parameter	Analytical Method	Sample Preparation	Sample Preparation	Sample Analysis Date	Sample Analysis	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	5/26/2016	9:35	5/31/2016	7:15	13	mg/L	2	mg/L

Data Qualifiers:


BOD5	LFB recovery is 119%. Acceptance limit is 85-115%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 6/20/2016

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

NE Outfall Monthly Composite

Report Date: 06/20/2016

WW160505-024

Composite 05/05/2016 06:52

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Phenols <sup>B,D</sup>	EPA 420.4	5/24/2016	8:45	5/25/2016	11:59	<0.040 <sup>E</sup>	µg/L	0.040	µg/L

Data Qualifiers:


Phenols	Laboratory Fortified Matrix (LFM) recovery is 111%. Acceptance limits are 90 to 110%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 6/20/2016

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

NE WW NPDES Weekly

Report Date: 06/20/2016

WW160525-025

Composite 24h 05/25/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Ammonia	SM 4500-NH3 D			6/8/2016	17:25	6	mg/L as N	0.5	mg/L as N

Data Qualifiers:

Ammonia	Laboratory Fortified Matrix (LFM) recovery is 123.6%. Acceptance limits are 85 to 115%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 6/20/2016



Debra A. McCarty, Water Commissioner

July 28, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for June 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Submitted By:** Mary Ellen Senss

**Submission Id :** 24869

**Submission Status :** Received

**Facility Name :** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number :** PA0026689

**Report Type :** Monthly

**Monitoring Report Period :** 06/01/2016-06/30/2016

**Monitoring Report Due Date :** 07/28/2016



# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for June 2016

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

**HEADER INFORMATION**

<b>Facility ID:</b>	479063	<b>Facility Name:</b>	PHILA WATER DEPT - NORTHEAST WPC PLANT	<b>Location Address:</b>	3899 RICHMOND ST, PHILADELPHIA PA, 19137
<b>Permit Number:</b>	PA0026689	<b>Monitoring Period:</b>	06/01/2016-06/30/2016	<b>Mailing Address:</b>	1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994

**PARAMETERS REPORTED VALUES**

Sampling Point		001		Stage Code		Final Effluent		No Discharge Indicator	N	
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
Dissolved Oxygen	Sample Measurement	***	***	***	3.2	5.4	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.7	***	7.0	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	4455	6555	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	5.84	6.90	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.715	.972	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	2.336	3.020	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	7.02	8.20	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.392	.500	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	.040	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0070	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.1340	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

Iron, Dissolved	Sample Measurement	***	***	***	***	.0880	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0250	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	140	191	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.20	.28	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	36	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	3555	3984	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	13612	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>ATTACHMENT DETAILS</b>			
<b>File Name</b>	<b>Attachment Type</b>	<b>Uploaded Time</b>	<b>Attachment Comment</b>
NE Daily Grab (07-21-2016).pdf	Laboratory Accreditation Form	2016-07-28T10:56:04-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	8FE896FF3B319ED6DCC54E9A1070406CF4018F8ACB75598D1F372AFDDE15DF1DF48D5A31734D1C4621D3CD813C49E3DE2A75BEEC7D5E62CC5BDBEDDB0AB1198F		
NE Outfall Monthly Composite 1 & 2 (07-21-2016).pdf	Laboratory Accreditation Form	2016-07-28T10:57:18-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	9F865E0481AC9AB010151A0732C34A397B6114E9C86BFAAEE8022FCDBB7804203E3C4B3624763111C67B012140D12A7B0BD4ED7656AD0468C2805CAA769ED2CD		
NECSO 201606.xls	CSO Detailed Outfall Report Form	2016-07-28T10:50:30-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	19CD3EB28A869422054779F3CFAA13CD13042E1ADE6064E6812F6BFCE07725657EC690430E5E9AD4076212E66985C9CF0427D068988FF7018C431EEB09DF43AA		
BLSNE201606.xls	Nutrient Monitoring Form	2016-07-28T10:50:02-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	9C3F49CF6F93F5FFB153AE5A956C5373B924C06DA2C573B7A4D3FC2983AB5A10FF2821A13291EE0E61DB286653AEC1264C7C239C6AED627CF24CE3DAB629853D		
E-NPDES NE201606.xls	Daily Effluent Monitoring Form	2016-07-28T10:53:13-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	2BAB8097E6E4B3667C5B1264AC31C44A90F52B086739CF03D541A54A36E5556BA19E6776C5BEAB495959D429925C4401C8B7B225F3B6C48718844DF2462F199F		
201606SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-07-28T10:53:58-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	FA977A08F13BB963B881DB5E417F2D12394E62E0404B3119ABE5B66A575B00B0929312A97BEFB56C3DD7C0445B20A923B3EEBF4066D8678DA70C8578714FA4E3		
NE Daily Composite (07-21-2016).pdf	Laboratory Accreditation Form	2016-07-28T10:54:38-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	03AF2BE0A08667FD5C8527B3E589D5006242FFACFBFAF0D392AC34FBED28EFD222F4C16ABEB18CC79C6A0D696DED7AA882BA4D2A5436C0A7B019618C1F96121C8		
NE WW NPDES Weekly (07-21-2016).pdf	Laboratory Accreditation Form	2016-07-28T10:58:15-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	4627ED5564AA5ADFFFC07941DD98C02EC8040337EAB04926734744BDBFE03EB10ECFD0E52CB8C5B7E70E9784A07E86539AA6886608950D2F6AB867FF00DC18F2		
NE Daily Special (07-21-2016).pdf	Laboratory Accreditation Form	2016-07-28T10:56:45-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	FD6C48631F39623412FE2032D94557D375959F8659783EB256CD382C2C2BF0E2B01444FD63E629DCF2EBF25BACE49B51F80BC9D8CB35A161AE69E74A5A015EC6		

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>PERMIT VIOLATIONS</b>											
Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

<b>UNAUTHORISED DISCHARGES</b>												
Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

<b>OTHER PERMIT VIOLATIONS</b>				
Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

<b>COMMENTS DETAILS</b>			
Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifiers.	Mary Ellen Senss	S12300	215-685-6258

<b>SUBMISSION INFORMATION</b>			
*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).			
<b>Submitted By GreenPort User</b>	<b>SENSSM</b>	<b>Submitted By Full Name</b>	<b>Mary Ellen Senss</b>
<b>Email Address</b>	maryellen.senss@phila.gov	<b>Document Generated</b>	7/28/2016

# PERMIT

## NEWPCP - JUNE 2016

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 LBS*** (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	
W 06/01/2016	125	138	5	96		5,197	129	6	95	6,236	12
Th 06/02/2016	142	192	4	98		4,750	133	3	98	3,563	
F 06/03/2016	167	208	5	98		6,967	137	5	96	6,967	13
S 06/04/2016	147	197	3	98		3,669	145	4	97	4,892	
Su 06/05/2016	186	186	7	96		10,870	126	4	97	6,212	
M 06/06/2016	146	195	4	98		4,880	130	2	98	2,440	9
T 06/07/2016	137	190	3	98		3,433	146	2	99	2,288	
W 06/08/2016	156	190	3	98		3,910	136	2	99	2,606	12
Th 06/09/2016	137	136	5	96		5,711	138	5	96	5,711	
F 06/10/2016	135	161	3	98		3,367	132	2	98	2,245	
S 06/11/2016	141	166	2	99		2,344	132	3	98	3,516	
Su 06/12/2016	138	169	3	98		3,450	127	2	98	2,300	
M 06/13/2016	134	229	2	99		2,241	142	2	99	2,241	9
T 06/14/2016	129	172	2	99		2,147	142	2	99	2,147	
W 06/15/2016	127	201	2	99		2,114	126	3	98	3,171	9
Th 06/16/2016	143	164	3	98		3,574	121	4	97	4,765	
F 06/17/2016	123	170	3	98		3,084	132	2	98	2,056	
S 06/18/2016	125	185	3	98		3,136	132	5	96	5,227	
Su 06/19/2016	127	205	3	99		3,178	135	2	99	2,119	
M 06/20/2016	125	225	3	99		3,121	150	2	99	2,081	8
T 06/21/2016	125	233	3	99		3,137	142	2	99	2,091	
W 06/22/2016	124	252	2	99		2,073	155	2	99	2,073	10
Th 06/23/2016	124	261	3	99		3,104	136	2	99	2,069	
F 06/24/2016	134	181	3	98		3,358	138	2	99	2,238	
S 06/25/2016	137	200	3	99		3,430	139	2	99	2,286	
Su 06/26/2016	139	183	3	98		3,466	144	3	98	3,466	
M 06/27/2016	191	288	13	95		20,739	151	7	95	11,167	19
T 06/28/2016	157	177	4	98		5,243	131	3	98	3,932	
W 06/29/2016	138	185	4	98		4,587	132	2	98	2,294	9
Th 06/30/2016	135	197	3	98		3,372	147	2	99	2,248	
F 07/01/2016	157	266	4	98		5,230	120	2	98	2,615	
S 07/02/2016	130	205	3	99		3,248	131	2	98	2,165	
<b>TOTAL</b>	<b>4,194</b>	<b>5,836</b>					<b>4,106</b>				
<b>AVERAGE</b>	<b>140</b>	<b>195</b>	<b>4</b>	<b>98</b>		<b>4,455</b>	<b>137</b>	<b>3</b>	<b>98</b>	<b>3,555</b>	<b>11</b>

Wk1	148	175	4	98	4,931	134	4	98	3,574
Wk2	131	184	3	99	2,821	132	3	98	3,130
Wk3	128	222	3	99	3,057	142	3	99	2,137
Wk4	149	214	5	98	6,555	137	3	98	3,984

MAX	191
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CBOD 20 LBS--	13,612
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NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - JUNE 2016**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
W 06/01/2016	125	6.8	6.9	4.7	0.18	67		
Th 06/02/2016	142	6.8	6.8	5.3	0.20	61		
F 06/03/2016	167	6.8	6.8	5.0	0.26	70		
S 06/04/2016	147	6.9	6.9	5.8	0.22	9		
Su 06/05/2016	186	6.9	6.9	5.9	0.17	6		
M 06/06/2016	146	6.7	6.7	5.7	0.19	75		
T 06/07/2016	137	7.0	7.0	5.6	0.17	46		
W 06/08/2016	156	6.9	6.8	5.7	0.26	14		
Th 06/09/2016	137	6.8	6.8	5.8	0.27	26		
F 06/10/2016	135	6.8	6.9	5.6	0.27	19		
S 06/11/2016	141	6.8	6.8	5.6	0.18	38		
Su 06/12/2016	138	6.8	6.8	5.0	0.18	27		
M 06/13/2016	134	6.9	6.8	4.7	0.19	23		
T 06/14/2016	129	6.7	6.7	4.6	0.17	66		
W 06/15/2016	127	6.9	6.8	4.9	0.24	13		
Th 06/16/2016	143	6.8	6.8	3.2	0.28	517		
F 06/17/2016	123	6.7	6.8	5.6	0.18	135		
S 06/18/2016	125	6.7	6.7	6.0	0.15	46		
Su 06/19/2016	127	6.9	6.9	5.8	0.19	55		
M 06/20/2016	125	6.8	6.7	5.9	0.16	18		
T 06/21/2016	125	6.9	6.8	5.7	0.19	18		
W 06/22/2016	124	6.8	6.8	5.7	0.22	32		
Th 06/23/2016	124	6.7	6.8	6.0	0.22	14		
F 06/24/2016	134	6.7	6.7	5.9	0.19	26		
S 06/25/2016	137	6.8	6.8	6.1	0.17	36		
Su 06/26/2016	139	6.9	6.9	5.8	0.15	51		
M 06/27/2016	191	6.9	6.9	5.7	0.17	59		
T 06/28/2016	157	6.7	6.7	4.7	0.16	99		
W 06/29/2016	138	6.9	6.9	4.7	0.23	31		
Th 06/30/2016	135	7.0	6.9	5.4	0.18	30		
F 07/01/2016	157	6.9	6.9	5.8	0.17	35		
S 07/02/2016	130	6.9	6.9	5.7	0.10	44		
TOTAL	4,351	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	140	6.7	7.0	3.2	5.4	0.20	0.28	MEAN
								36

Wk1 148  
Wk2 131  
Wk3 128  
Wk4 149

**MAX** 191

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - JUNE 2016  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
06/01/2016	0.15	0.20	0.18	4.5	4.8	4.7	160	28	67
06/02/2016	0.17	0.22	0.20	5.1	5.5	5.3	130	29	61
06/03/2016	0.24	0.28	0.26	4.8	5.1	5.0	115	42	70
06/04/2016	0.19	0.24	0.22	5.8	5.8	5.8	9	10	9
06/05/2016	0.15	0.18	0.17	5.8	5.9	5.9	4	7	6
06/06/2016	0.19	0.19	0.19	5.5	5.9	5.7	70	79	75
06/07/2016	0.17	0.17	0.17	5.5	5.6	5.6	133	16	46
06/08/2016	0.24	0.28	0.26	5.6	5.8	5.7	25	8	14
06/09/2016	0.21	0.33	0.27	5.7	5.8	5.8	72	10	26
06/10/2016	0.19	0.35	0.27	5.5	5.6	5.6	172	2	19
06/11/2016	0.20	0.16	0.18	5.5	5.7	5.6	30	50	38
06/12/2016	0.20	0.15	0.18	4.7	5.2	5.0	28	26	27
06/13/2016	0.21	0.17	0.19	4.5	4.8	4.7	40	13	23
06/14/2016	0.18	0.16	0.17	4.5	4.7	4.6	73	60	66
06/15/2016	0.26	0.22	0.24	4.6	5.1	4.9	22	7	13
06/16/2016	0.31	0.25	0.28	3.4	3.0	3.2	461	579	517
06/17/2016	0.17	0.18	0.18	5.5	5.6	5.6	160	115	135
06/18/2016	0.16	0.13	0.15	5.9	6.0	6.0	59	36	46
06/19/2016	0.19	0.18	0.19	5.6	5.9	5.8	77	39	55
06/20/2016	0.21	0.11	0.16	5.8	5.9	5.9	31	11	18
06/21/2016	0.21	0.17	0.19	5.7	5.7	5.7	39	9	18
06/22/2016	0.20	0.23	0.22	5.7	5.7	5.7	63	16	32
06/23/2016	0.20	0.23	0.22	5.9	6.0	6.0	47	4	14
06/24/2016	0.21	0.16	0.19	5.8	5.9	5.9	45	15	26
06/25/2016	0.14	0.19	0.17	6.1	6.0	6.1	73	17	36
06/26/2016	0.16	0.14	0.15	5.7	5.8	5.8	108	24	51
06/27/2016	0.17	0.17	0.17	5.6	5.7	5.7	126	28	59
06/28/2016	0.13	0.19	0.16	4.4	5.0	4.7	140	70	99
06/29/2016	0.25	0.20	0.23	4.5	4.8	4.7	30	32	31
06/30/2016	0.20	0.15	0.18	5.2	5.5	5.4	44	21	30
07/01/2016	0.21	0.13	0.17	5.7	5.9	5.8	22	55	35
07/02/2016	0.14	0.06	0.10	5.6	5.7	5.7	12	161	44
Avg	0.20	0.20	0.20	5.3	5.5	5.4	59	22	36



**PERMIT  
NEWPCP - JUNE 2016**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
06/01/2016	132	8	94%
06/02/2016			
06/03/2016	142	7	95%
06/04/2016			
06/05/2016			
06/06/2016	161	6	96%
06/07/2016			
06/08/2016	139	8	94%
06/09/2016			
06/10/2016			
06/11/2016			
06/12/2016			
06/13/2016	128	6	95%
06/14/2016			
06/15/2016	141	7	95%
06/16/2016			
06/17/2016			
06/18/2016			
06/19/2016			
06/20/2016	152	4	97%
06/21/2016			
06/22/2016	167	7	96%
06/23/2016			
06/24/2016			
06/25/2016			
06/26/2016			
06/27/2016	157	18	89%
06/28/2016			
06/29/2016	134	6	96%
06/30/2016			
07/01/2016			
07/02/2016			
AVG	145	8	95%

DESIGN - 210 MGD

NEWPCP - JUNE 2016						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
06/01/2016	43	49	33	125	176	
06/02/2016	43	67	32	142	186	
06/03/2016	51	82	35	167	367	0.12
06/04/2016	42	73	32	147	324	
06/05/2016	59	90	37	186	443	0.44
06/06/2016	42	72	33	146	177	
06/07/2016	40	67	30	137	210	T
06/08/2016	53	71	33	156	339	0.13
06/09/2016	43	67	27	137	175	
06/10/2016	44	63	29	135	159	
06/11/2016	45	63	32	141	189	
06/12/2016	45	62	31	138	173	
06/13/2016	44	61	29	134	184	
06/14/2016	43	56	29	129	188	
06/15/2016	44	53	30	127	192	0.01
06/16/2016	52	55	35	143	345	0.38
06/17/2016	40	54	29	123	151	
06/18/2016	38	57	30	125	168	
06/19/2016	38	60	29	127	201	
06/20/2016	30	64	31	125	152	
06/21/2016	35	59	31	125	179	T
06/22/2016	42	54	29	124	169	
06/23/2016	44	50	30	124	156	0.16
06/24/2016	45	59	30	134	178	
06/25/2016	45	60	32	137		
06/26/2016	45	63	30	139	144	
06/27/2016	68	82	42	191	417	0.56
06/28/2016	58	69	31	157	272	0.07
06/29/2016	42	66	30	138	165	T
06/30/2016	41	63	31	135	197	
07/01/2016	47	75	35	157	354	
07/02/2016	42	59	29	130	187	
TOTAL	1,340	1,911	943	4,194		1.87
AVG	45	64	31	140		
		MIN		123	144	
		MAX		191	443	

\* ADJUSTED FOR RECYCLE.

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JUNE 2016

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
06/01/2016	0.577	2.130	6.80	8.20	0.402
06/08/2016	0.613	2.040	6.90	8.00	0.500
06/15/2016	0.732	3.020	5.90	7.00	0.491
06/22/2016	0.972	2.500	5.80	6.90	0.339
06/29/2016	0.680	1.990	3.80	5.00	0.227
<b>AVG</b>	0.715	2.336	5.84	7.02	0.392
<b>MAX</b>	0.972	3.020	6.90	8.20	0.500

**Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
06/02/2016	< 0.040

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	06/08/2016
Copper	0.0070
Iron	0.1340
Iron Dissolved	0.0880
Lead	< 0.0030
Zinc	< 0.0250

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	06/06/2016
1,2-Dichloroethane	< 0.0025
Chloroform	< 0.0025
Chlorodibromomethane	< 0.0025
Tetrachloroethylene	< 0.0025
Trichloroethylene	< 0.0025

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
JUNE 2016	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
06/01/2016	0.000	0.851	79	0.985	1.275	129.3
06/02/2016	0.938	0.777	117	1.057	0.807	66.6
06/03/2016	0.925	0.765	70	1.088	1.156	111.2
06/04/2016	0.867	1.188	110	0.966	1.212	99.4
06/05/2016	0.000	0.009	0	1.139	1.425	147.7
06/06/2016	0.948	0.934	87	1.307	1.047	96.1
06/07/2016	0.929	0.782	82	1.169	0.636	61.6
06/08/2016	0.939	0.386	34	1.106	1.065	99.1
06/09/2016	0.865	1.048	97	0.000	0.511	46.7
06/10/2016	1.602	2.110	260	1.179	0.915	107.0
06/11/2016	0.000	0.000	0	1.569	1.676	153.2
06/12/2016	0.185	0.000	0	0.681	0.855	79.2
06/13/2016	0.895	1.087	109	0.332	0.317	30.1
06/14/2016	0.874	0.645	68	1.086	0.790	81.1
06/15/2016	0.902	0.847	75	0.411	0.763	69.6
06/16/2016	0.000	0.006	0	1.172	1.194	108.5
06/17/2016	0.920	0.737	61	1.295	0.816	68.4
06/18/2016	0.893	1.053	112	1.118	1.403	119.7
06/19/2016	0.916	0.833	83	1.096	1.234	111.5
06/20/2016	0.893	1.162	90	0.946	0.952	72.7
06/21/2016	0.909	0.836	74	1.935	1.752	152.0
06/22/2016	0.000	0.320	29	1.963	1.954	162.4
06/23/2016	0.928	0.943	91	0.965	1.115	97.7
06/24/2016	0.932	0.616	51	1.131	1.023	87.5
06/25/2016	0.877	0.398	33	0.509	0.663	48.8
06/26/2016	0.000	0.818	67	1.037	0.868	79.1
06/27/2016	0.909	0.269	26	1.984	1.828	163.7
06/28/2016	0.914	1.429	147	1.333	1.416	134.6
06/29/2016	0.925	0.614	52	0.148	0.000	0.0
06/30/2016	0.921	0.399	37	0.300	0.898	130.7
<b>TOTAL</b>	21.807	21.863	2,141	31.003	31.566	2,915
<b>AVERAGE</b>	0.727	0.729	71	1.033	1.052	97



Debra A. McCarty, Water Commissioner

July 28, 2016

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for June 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Submitted By : Mary Ellen Senss**

**Submission Id : 24499**

**Submission Status : Received**

**Facility Name : PHILA WATER DEPT - NORTHEAST WPC PLANT**

**Permit Number : PA0026689**

**Report Type : Quarterly**

**Monitoring Report Period : 04/01/2016-06/30/2016**

**Monitoring Report Due Date : 07/28/2016**

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

HEADER INFORMATION					
Facility ID:	479063	Facility Name:	PHILA WATER DEPT - NORTHEAST WPC PLANT	Location Address:	3899 RICHMOND ST, PHILADELPHIA PA, 19137
Permit Number:	PA0026689	Monitoring Period:	04/01/2016-06/30/2016	Mailing Address:	1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994

PARAMETERS REPORTED VALUES										
Sampling Point		001		Stage Code			Final Effluent	No Discharge Indicator	N	
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
Toxicity, Acute - Ceriodaphnia Survival	Sample Measurement	***	***	***	***	***	<1	TUa	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Toxicity, Chronic - Ceriodaphnia Survival	Sample Measurement	***	***	***	***	***	1	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Toxicity, Acute - Pimephales Survival	Sample Measurement	***	***	***	***	***	<1	TUa	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Chlordane	Sample Measurement	***	***	***	***	.0004000	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
3,3-Dichlorobenzidine	Sample Measurement	***	***	***	***	.0050	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Benzidine	Sample Measurement	***	***	***	***	<.0563	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/quarter
4,4-DDT	Sample Measurement	***	***	***	***	.0000160	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDD	Sample Measurement	***	***	***	***	.0000160	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDE	Sample Measurement	***	***	***	***	.0000160	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
alpha-BHC	Sample Measurement	***	***	***	***	<.0000081	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
beta-BHC	Sample Measurement	***	***	***	***	<.0000081	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
gamma-BHC (Lindane)	Sample Measurement	***	***	***	***	.0000100	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Dieldrin	Sample Measurement	***	***	***	***	.0000160	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

Endrin	Sample Measurement	***	***	***	***	.0000160	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Heptachlor	Sample Measurement	***	***	***	***	<.0000127	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Toxicity, Chronic - Pimephales Survival	Sample Measurement	***	***	***	***	***	1	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
<b>Facility Comments</b>										

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>ATTACHMENT DETAILS</b>			
<b>File Name</b>	<b>Attachment Type</b>	<b>Uploaded Time</b>	<b>Attachment Comment</b>
NE WET Testing Composite (05-23-2016).pdf	Laboratory Accreditation Form	2016-07-27T08:51:29-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	58B8D83E51F93C6D3D007B3EE85C7AE7812DEA75206779F4CC81D715590D5CF16F01C4F241EB3D6C821F5A26F8C88D553F04666BF4970E642E64CD5F4A158F0E		
NE Daily Special (05-23-2016).pdf	Laboratory Accreditation Form	2016-07-27T08:50:57-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	C89FD8576FE1D8834B41310D98CDF851E37BA27A9C82ED0AB2BECCE511D84548281398EB2D1F31CAA944DDEF856B57A5B283D692E6D9C8C0A6FFA58D00254DB0		
BLSNE201604.xls	WET Test Summary Report	2016-07-27T08:52:35-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	30399DC60B1450A4B524153F2F80378A99510E18DB7D78D8AE2969CAC1A61D204E0AE6C9C21D4F66994C2B29238F1015C7C3C7CBC88611BCE35B3A3A061CCA3B		



**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>PERMIT VIOLATIONS</b>											
Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

<b>UNAUTHORISED DISCHARGES</b>												
Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

<b>OTHER PERMIT VIOLATIONS</b>				
Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

<b>COMMENTS DETAILS</b>			
Comment	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachments for data qualifiers.	Mary Ellen Senss	S12300	215-685-6258

<b>SUBMISSION INFORMATION</b>			
<p>*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).</p>			
<b>Submitted By GreenPort User</b>	<b>SENSSM</b>	<b>Submitted By Full Name</b>	<b>Mary Ellen Senss</b>
<b>Email Address</b>	maryellen.senss@phila.gov	<b>Document Generated</b>	7/27/2016



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF APRIL 2016**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**04/08/2016**

<b>Toxicity, Ceriodaphnia acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Ceriodaphnia chronic</b>		<b>1</b>
<b>Toxicity, Pimphales acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Pimphales chronic</b>		<b>1</b>

NE WET Testing Composite

Report Date: 05/03/2016

WW160404-025

Composite 24h 04/04/2016 00:59

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/4/2016	14:45	4/9/2016	8:50	3	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Control Sample (LCS) recovery is 150 mg/L. Acceptance limits are 168-229 mg/L.
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WW160406-025

Composite 24h 04/06/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/6/2016	13:50	4/11/2016	11:20	2.1	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Control Sample (LCS) recovery is 161 mg/L. Acceptance limits are 168 to 229 mg/L.
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WW160408-024

Composite 24h 04/08/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
2,4-Dinitrophenol <sup>B,D</sup>	EPA 625	4/13/2016	9:00	4/15/2016	0:21	<38 <sup>E</sup>	µg/L	38	µg/L
4,4'-DDD <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
4,4'-DDE <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Aldrin <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
alpha-BHC <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Benzidine <sup>B,D</sup>	EPA 625	4/13/2016	9:00	4/15/2016	0:21	<56 <sup>E</sup>	µg/L	56	µg/L

beta-BHC <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Chlordane <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.40 <sup>E</sup>	µg/L	0.4	µg/L
delta-BHC <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Dieldrin <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endosulfan I <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	0.01 <sup>E</sup>	µg/L	0.0081	µg/L
Endosulfan II <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endosulfan sulfate <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endrin <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.081 <sup>E</sup>	µg/L	0.081	µg/L
gamma-BHC <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	0.01 <sup>E</sup>	µg/L	0.0081	µg/L
Heptachlor <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Heptachlor epoxide <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	4/13/2016	9:00	4/15/2016	0:21	<14 <sup>E</sup>	µg/L	14	µg/L
Toxaphene <sup>B,D</sup>	EPA 608	4/12/2016	16:40	4/15/2016	17:47	<0.81 <sup>E</sup>	µg/L	0.81	µg/L

Data Qualifiers:

2,4-Dinitrophenol	The recovery of the matrix spike is 34% and the recovery of the matrix spike dup is 52% which are both outside the acceptance limits of 72-110%. The RPD is 41, which is outside the acceptance limit of = 30.
4,4'-DDD	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
4,4'-DDE	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
4,4'-DDT	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Aldrin	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
alpha-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Benzidine	The recovery of the matrix spike is 9% and the recovery of the matrix spike dup is 12% which are both outside the acceptance limits of 21-107%. The RPD is 33, which is outside the acceptance limit of = 30.

beta-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Chlordane	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
delta-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Dieldrin	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Endosulfan I	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Endosulfan II	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Endosulfan sulfate	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Endrin	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Endrin aldehyde	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
gamma-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Heptachlor	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Heptachlor epoxide	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.
Hexachlorocyclopentadiene	The recovery of the LCS is 19%, which is outside the acceptance limits of 24-128%, but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD standards.
Toxaphene	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted and the surrogate is again outside of the acceptance limits, indicating a matrix effect. The result is reported from the first trial.

Legend

A - Results reported on a basis other than as received, e.g. dry weight.

B - Tests performed are not covered by BLS's scope of accreditation.


C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo

Title: Laboratory Manager

Date: 5/23/2016

NE Daily Special

Report Date: 05/23/2016

WW160404-005

Composite 24h 04/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/5/2016	8:00	4/5/2016	9:00	5	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 116%. Acceptance limit is 85-115%
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WW160418-005

Composite 24h 04/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/19/2016	7:30	4/19/2016	8:14	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 62.5%. Acceptance limit is 85-115%.
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WW160425-005

Composite 24h 04/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/26/2016	8:08	4/26/2016	10:23	5	mg/L	2.5	mg/L

Data Qualifiers:


Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%.
------------------------	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 5/23/2016



NE Daily Composite

Report Date: 05/23/2016

WW160404-002

Composite 04/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/5/2016	8:00	4/5/2016	9:00	146	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 116%. Acceptance limit is 85-115%
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WW160404-003

Composite 04/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/5/2016	8:00	4/5/2016	9:00	156	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 116%. Acceptance limit is 85-115%
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WW160404-004

Composite 04/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/5/2016	8:00	4/5/2016	9:00	149	mg/L	2	mg/L

Data Qualifiers:

CBOD5	LFB recovery is 116%. Acceptance limit is 85-115%
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WW160412-001

Composite 04/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/12/2016	7:30	4/13/2016	9:02	152	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 73%. Acceptance limit is 85-115%
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WW160412-002

Composite 04/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/13/2016	7:30	4/13/2016	9:02	180	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 73%. Acceptance limit is 85-115%
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WW160412-003

Composite 04/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/13/2016	7:30	4/13/2016	9:02	190	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 73%. Acceptance limit is 85-115%
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WW160412-004

Composite 04/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/13/2016	7:30	4/13/2016	8:40	4	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 73%. Acceptance limit is 85-115%
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WW160414-001

Composite 04/14/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/15/2016	7:30	4/15/2016	8:50	145	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Check Std recovery is 50%. Acceptance limit is 85-115%
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WW160414-002

Composite 04/14/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/15/2016	7:30	4/15/2016	8:50	189	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 50%. Acceptance limit is 85-115%
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WW160414-003

Composite 04/14/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/15/2016	7:30	4/15/2016	8:50	227	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 50%. Acceptance limit is 85-115%
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WW160414-004

Composite 04/14/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/15/2016	7:30	4/15/2016	8:25	1	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 50%. Acceptance limit is 85-115%.
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WW160418-002

Composite 04/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/19/2016	7:30	4/19/2016	8:53	145	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 62.5%. Acceptance limit is 85-115%
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/19/2016	7:30	4/19/2016	8:53	200	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 62.5%. Acceptance limit is 85-115%.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/19/2016	7:30	4/19/2016	8:53	180	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 62.5%. Acceptance limit is 85-115%.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/20/2016	7:30	4/20/2016	8:32	160	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 60%. Acceptance limit is 85-115%.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/20/2016	7:30	4/20/2016	8:32	180	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 60%. Acceptance limit is 85-115%
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WW160419-003

Composite 04/19/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/20/2016	7:30	4/20/2016	8:32	153	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 60%. Acceptance limit is 85-115%
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WW160419-004

Composite 04/19/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/20/2016	7:30	4/20/2016	8:03	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 60%. Acceptance limit is 85-115%
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WW160424-001

Composite 04/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/25/2016	8:50	4/25/2016	10:50	155	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%.
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WW160424-002

Composite 04/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/25/2016	8:50	4/25/2016	10:50	200	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%.
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WW160424-003

Composite 04/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/25/2016	8:50	4/25/2016	10:50	160	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%
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WW160424-004

Composite 04/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/25/2016	8:08	4/25/2016	10:20	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%.
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WW160425-002

Composite 04/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/26/2016	8:48	4/26/2016	10:54	187	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limits are 85-115%.
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WW160425-003

Composite 04/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/26/2016	8:48	4/26/2016	10:54	247	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%.
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WW160425-004

Composite 04/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/26/2016	8:48	4/26/2016	10:54	233	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 82.5%. Acceptance limit is 85-115%.
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WW160426-001

Composite 04/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/27/2016	8:40	4/27/2016	10:50	227	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 75%. Acceptance limit is 85-115%
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WW160426-002

Composite 04/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/27/2016	8:40	4/27/2016	10:50	310	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Check Std recovery is 75%. Acceptance limit is 85-115%.
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WW160426-003

Composite 04/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/27/2016	8:40	4/27/2016	10:50	260	mg/L	2.5	mg/L

Data Qualifiers:

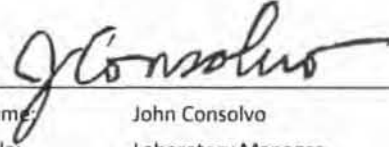
Solids Suspended Total	Check Std recovery is 75%. Acceptance limit is 85-115%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 5/23/2016





**Debra A. McCarty, Water Commissioner**

August 27, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for July 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Submitted By :** Mary Ellen Senss

**Submission Id :** 26657

**Submission Status :** Received

**Facility Name :** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number :** PA0026689

**Report Type :** Monthly

**Monitoring Report Period :** 07/01/2016-07/31/2016

**Monitoring Report Due Date :** 08/28/2016

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for July 2016

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

**HEADER INFORMATION**

<b>Facility ID:</b>	479063	<b>Facility Name:</b>	PHILA WATER DEPT - NORTHEAST WPC PLANT	<b>Location Address:</b>	3899 RICHMOND ST, PHILADELPHIA PA, 19137
<b>Permit Number:</b>	PA0026689	<b>Monitoring Period:</b>	07/01/2016-07/31/2016	<b>Mailing Address:</b>	1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994

**PARAMETERS REPORTED VALUES**

Sampling Point		001		Stage Code		Final Effluent		No Discharge Indicator	N	
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
Dissolved Oxygen	Sample Measurement	***	***	***	1.7	5.0	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.7	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5120	6802	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	3.83	6.30	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	1.069	1.350	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	2.940	3.770	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	4.60	7.40	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.246	.341	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	<.0029	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	.030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0047	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.2510	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

Iron, Dissolved	Sample Measurement	***	***	***	***	.0660	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0250	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	153	250	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.19	.36	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	24-Hr Composite	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	37	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4363	5193	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	12936	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>ATTACHMENT DETAILS</b>			
<b>File Name</b>	<b>Attachment Type</b>	<b>Uploaded Time</b>	<b>Attachment Comment</b>
E-NPDES NE201607.xls	Daily Effluent Monitoring Form	2016-08-25T09:03:02-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	E11860E770C4A161F658085AEAA26C8E30ED91E2C9FEEBFF514DA14D8F38E6C575468187241BF3D92D53020DEAECC22A77A15835F784524D4AD5111DF19230B2		
WW NPDES Weekly (08-22-2016).pdf	Laboratory Accreditation Form	2016-08-25T09:08:14-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	588EB390899F73E61DD5EE1084116FCC98319DFF88A2DE9D908E516FE3EC1FF701F5F619182B777AEEB9DADFC380EC61634DBECA5CC9F94AE7442EAAD145A550		
NE Daily Composite (08-22-2016).pdf	Laboratory Accreditation Form	2016-08-25T09:06:09-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	C3942E96314F9710EE77142D0BCC39237ECC749D271DD05F3E4352DFDD553AF0F5BBC5B0B76A0B24C52D7307D48518B257E691C6CFF5ACA4A30EFB72F3A08A96		
NE WET Testing Composite (08-22-2016).pdf	Laboratory Accreditation Form	2016-08-25T09:08:50-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	22643DB3D37E2F5C56E6248CFBFF6E568207A82F13D5435437A8123A7BDF6900E2F750CC7CD97F87C108A401A1063A58F4122582FDAC5933BF31F4A538DB8519		
NE Fecal Coliform Daily (08-22-2016).pdf	Laboratory Accreditation Form	2016-08-25T09:07:20-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	43D82AF51E6BCA37163B16C8F52ACA86FD2A91847F56E503F48C2FD4986E66053EC69504A933A102239075060925D376F3120F0F11F60C559C26E78CBBA6B440		
NE Daily Grab (08-22-2016).pdf	Laboratory Accreditation Form	2016-08-25T09:06:47-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	BD1823458D0CB32F33C4D67A8EE5BA3D96AF4E74C0348FF68767F113CBEDA1B828A07CAD9AEE34FF6B5053C23B18A9B923035DC96F3BD2FF72D1A43DF269769D		
BLSNE201607.xls	Nutrient Monitoring Form	2016-08-25T09:03:39-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	070DD46A0FE935A2249E0F4F764BB298B1A1BC9D1332A8E42A263EA381A3638324B1567F76CF679C37104F082FB94A793093CB1CF15915260A62C89C60C50065		
201607SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-08-25T09:05:21-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	80C10B2EE5F1A612A3A6ECF466CA928EB41F665D573C882A6581011BAE2994F473C46E6D6806A469E02FE56E5D903EBB86CCDEC9DA3818C607981A0FFEA3C821		
NECSO 201607.xls	CSO Detailed Outfall Report Form	2016-08-25T09:04:21-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	A32C8F837FB73333B859403BD59790227BA6FF8FE9816F30305690BBFBCF3AC8BE3C701A20E4A9BE56B8983A9F7E21B9C7A19B762953A1D54DBDFFDFC4B322A0		

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>PERMIT VIOLATIONS</b>											
Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

<b>UNAUTHORISED DISCHARGES</b>												
Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

<b>OTHER PERMIT VIOLATIONS</b>				
Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

<b>COMMENTS DETAILS</b>			
Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifiers.	Mary Ellen Senss	S12300	215-685-6258

<b>SUBMISSION INFORMATION</b>			
<p>*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).</p>			
<b>Submitted By GreenPort User</b>	<b>SENSSM</b>	<b>Submitted By Full Name</b>	<b>Mary Ellen Senss</b>
<b>Email Address</b>	maryellen.senss@phila.gov	<b>Document Generated</b>	8/25/2016

# PERMIT NEWPCP - JULY 2016 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	

F	07/01/2016	184	266	4	98		6,149		120	3	98	4,611	
S	07/02/2016	166	203	3	99		4,163		130	2	98	2,776	
Su	07/03/2016	183	200	3	99		4,589		129	3	98	4,589	
M	07/04/2016	149	185	6	97		7,437		125	5	96	6,197	14
T	07/05/2016	129	191	3	98		3,237		122	3	98	3,237	
W	07/06/2016	141	202	4	98		4,711		140	3	98	3,534	9
Th	07/07/2016	250	230	2	99		4,178		149	2	99	4,178	
F	07/08/2016	143	217	2	99		2,393		128	4	97	4,786	
S	07/09/2016	151	211	3	99		3,786		142	2	99	2,524	
Su	07/10/2016	130	185	3	98		3,263		125	2	98	2,175	
M	07/11/2016	128	186	3	98		3,213		132	3	98	3,213	7
T	07/12/2016	129	284	3	99		3,239		175	2	99	2,160	
W	07/13/2016	136	262	7	97		7,955		123	5	96	5,682	8
Th	07/14/2016	165	165	4	98		5,507		122	4	97	5,507	
F	07/15/2016	137	198	3	98		3,440		121	5	96	5,733	
S	07/16/2016	138	207	3	99		3,458		131	3	98	3,458	
Su	07/17/2016	141	189	4	98		4,707		139	4	97	4,707	
M	07/18/2016	145	238	6	97		7,250		134	6	96	7,250	16
T	07/19/2016	199	220	3	99		4,976		129	3	98	4,976	
W	07/20/2016	144	215	4	98		4,805		146	2	99	2,403	9
Th	07/21/2016	146	184	3	98		3,652		143	3	98	3,652	
F	07/22/2016	148	203	5	98		6,171		142	3	98	3,702	
S	07/23/2016	152	202	7	97		8,902		146	7	95	8,902	
Su	07/24/2016	158	191	5	97		6,595		139	3	98	3,957	
M	07/25/2016	150	178	10	94		12,513		85	7	92	8,759	15
T	07/26/2016	146	119	3	97		3,646		105	2	98	2,431	
W	07/27/2016	143	185	3	98		3,566		128	2	98	2,377	9
Th	07/28/2016	194	238	4	98		6,465		140	3	98	4,848	
F	07/29/2016	127	183	4	98		4,222		104	3	97	3,167	
S	07/30/2016	130	239	5	98		5,412		124	5	96	5,412	
Su	07/31/2016	157	133	3	98		3,925		89	2	98	2,617	

TOTAL	4,586	6,178							3,918				
AVERAGE	153	206	4	98		5,120			131	3	97	4,363	11

Wk1	154	203	3	99		3,540			134	3	98	3,378	
Wk2	142	221	4	98		5,079			135	3	97	4,928	
Wk3	157	199	5	97		6,802			133	4	97	5,193	
Wk4	149	183	4	98		4,539			115	4	98	3,475	

MAX 250

CBOD 20 LBS-- 12,936

NPDES/D  
LIMITS

MO	<30	>85	<52,540	<25	>86	<36,430
WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - JULY 2016**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
F 07/01/2016	184	6.9	6.9	2.9	0.17	35		
S 07/02/2016	166	6.9	6.9	5.8	0.10	44		
Su 07/03/2016	183	6.8	6.8	5.8	0.11	81		
M 07/04/2016	149	6.8	6.8	6.0	0.15	50		
T 07/05/2016	129	6.8	6.7	5.9	0.18	91		
W 07/06/2016	141	6.9	6.9	5.7	0.15	91		
Th 07/07/2016	250	6.9	7.0	5.6	0.17	103		
F 07/08/2016	143	6.9	6.9	5.5	0.15	17		
S 07/09/2016	151	6.8	6.8	5.5	0.24	9		
Su 07/10/2016	130	6.9	6.9	5.6	0.18	14		
M 07/11/2016	128	6.9	6.9	5.5	0.20	11		
T 07/12/2016	129	6.9	6.9	5.0	0.23	30		
W 07/13/2016	136	6.9	6.9	4.7	0.20	29		
Th 07/14/2016	165	6.9	6.9	4.5	0.14	22		
F 07/15/2016	137	7.0	6.9	4.8	0.13	25		
S 07/16/2016	138	7.0	7.0	5.4	0.22	7		
Su 07/17/2016	141	7.0	7.0	5.6	0.23	26		
M 07/18/2016	145	7.1	7.0	5.5	0.29	26		
T 07/19/2016	199	6.9	6.9	5.3	0.14	66		
W 07/20/2016	144	7.0	7.0	5.4	0.17	27		
Th 07/21/2016	146	7.0	7.0	5.6	0.14	29		
F 07/22/2016	148	7.0	7.0	5.3	0.17	19		
S 07/23/2016	152	7.0	7.0	5.5	0.14	14		
Su 07/24/2016	158	6.8	6.8	5.5	0.12	18		
M 07/25/2016	150	6.8	6.9	4.3	0.36	68		
T 07/26/2016	146	6.8	6.8	3.9	0.11	352		
W 07/27/2016	143	6.9	6.9	5.0	0.17	24		
Th 07/28/2016	194	6.9	NS	4.1	0.24	45		
F 07/29/2016	127	7.0	NS	1.7	0.34	980		
S 07/30/2016	130	6.9	NS	4.5	0.28	59		
Su 07/31/2016	157	6.9	6.9	3.3	0.30	39		
TOTAL	4,743	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	153	6.7	7.1	1.7	5.0	0.19	0.36	MEAN
								37

Wk1 154  
Wk2 142  
Wk3 157  
Wk4 149

MAX 250

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.



**PERMIT  
NEWPCP - JULY 2016  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
07/01/2016	0.21	0.13	0.17	5.7	0.0	2.9	22	55	35
07/02/2016	0.14	0.06	0.10	5.6	5.9	5.8	12	161	44
07/03/2016	0.15	0.06	0.11	5.9	5.7	5.8	26	248	81
07/04/2016	0.16	0.13	0.15	5.9	6.0	6.0	35	71	50
07/05/2016	0.18	0.18	0.18	5.7	6.0	5.9	272	30	91
07/06/2016	0.17	0.12	0.15	NS	5.7	5.7	58	141	91
07/07/2016	0.23	0.10	0.17	5.5	5.6	5.6	31	345	103
07/08/2016	0.19	0.11	0.15	5.5	5.5	5.5	13	23	17
07/09/2016	0.25	0.23	0.24	5.5	5.5	5.5	9	10	9
07/10/2016	0.19	0.16	0.18	5.5	5.6	5.6	28	8	14
07/11/2016	0.21	0.19	0.20	5.4	5.6	5.5	19	6	11
07/12/2016	0.22	0.24	0.23	4.5	5.5	5.0	61	15	30
07/13/2016	0.21	0.19	0.20	4.3	5.0	4.7	40	22	29
07/14/2016	0.14	0.14	0.14	4.3	4.7	4.5	29	17	22
07/15/2016	0.14	0.11	0.13	5.0	4.6	4.8	32	20	25
07/16/2016	0.22	0.22	0.22	5.4	5.3	5.4	9	6	7
07/17/2016	0.24	0.22	0.23	5.6	5.5	5.6	39	17	26
07/18/2016	0.30	0.27	0.29	5.3	5.6	5.5	68	10	26
07/19/2016	0.13	0.15	0.14	5.3	5.3	5.3	214	20	66
07/20/2016	0.14	0.19	0.17	5.4	5.4	5.4	96	7	27
07/21/2016	0.12	0.15	0.14	5.6	5.5	5.6	91	10	29
07/22/2016	0.15	0.19	0.17	5.2	5.4	5.3	51	7	19
07/23/2016	0.13	0.14	0.14	5.7	5.2	5.5	26	7	14
07/24/2016	0.12	0.11	0.12	5.3	5.6	5.5	29	12	18
07/25/2016	0.39	0.32	0.36	3.1	5.5	4.3	121	38	68
07/26/2016	0.13	0.08	0.11	5.0	2.7	3.9	579	214	352
07/27/2016	0.16	0.17	0.17	4.5	5.5	5.0	57	10	24
07/28/2016	0.24	NS	0.24	4.1	NS	4.1	45	NS	45
07/29/2016	0.34	NS	0.34	1.7	NS	1.7	980	NS	980
07/30/2016	0.28	NS	0.28	4.5	NS	4.5	59	NS	59
07/31/2016	0.29	0.31	0.30	3.3	NS	3.3	66	23	39
Avg	0.20	0.16	0.19	5.0	5.2	5.0	48	24	37

# PERMIT NEWPCP - JULY 2016

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
07/01/2016			
07/02/2016			
07/03/2016			
07/04/2016	133	20	85%
07/05/2016			
07/06/2016	136	5	96%
07/07/2016			
07/08/2016			
07/09/2016			
07/10/2016			
07/11/2016	145	6	96%
07/12/2016			
07/13/2016	115	10	91%
07/14/2016			
07/15/2016			
07/16/2016			
07/17/2016			
07/18/2016	149	10	93%
07/19/2016			
07/20/2016	138	5	96%
07/21/2016			
07/22/2016			
07/23/2016			
07/24/2016			
07/25/2016	86	12	86%
07/26/2016			
07/27/2016	133	4	97%
07/28/2016			
07/29/2016			
07/30/2016			
07/31/2016			
AVG	129	9	93%

DESIGN - 210 MGD

NEWPCP - JULY 2016						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
07/01/2016	67	75	41	184	420	T
07/02/2016	59	66	42	166	337	
07/03/2016	59	82	43	183	425	
07/04/2016	49	62	38	149	294	0.29
07/05/2016	40	53	37	129	187	0.08
07/06/2016	26	76	39	141	216	
07/07/2016	76	120	54	250	460	
07/08/2016	41	65	38	143	445	T
07/09/2016	55	58	38	151	386	0.01
07/10/2016	39	57	34	130	214	
07/11/2016	39	59	30	128	185	
07/12/2016	39	59	31	129	157	
07/13/2016	38	66	32	136	170	0.12
07/14/2016	52	79	34	165	380	0.03
07/15/2016	40	65	32	137	176	
07/16/2016	41	65	32	138	191	0.10
07/17/2016	43	65	34	141	172	
07/18/2016	42	71	32	145	264	0.58
07/19/2016	69	90	40	199	388	
07/20/2016	39	74	31	144	176	
07/21/2016	39	76	31	146	196	
07/22/2016	40	78	30	148	178	
07/23/2016	41	80	31	152	201	T
07/24/2016	41	84	33	158	284	
07/25/2016	41	75	34	150	190	1.68
07/26/2016	42	71	33	146	210	
07/27/2016	44	67	31	143	191	
07/28/2016	66	85	43	194	412	0.33
07/29/2016	42	56	28	127	165	0.39
07/30/2016	42	59	29	130	187	0.27
07/31/2016	47	75	35	157	354	T
TOTAL	1,390	2,139	1,057	4,586		3.88
AVG	46	71	35	153		
		MIN		127	157	
		MAX		250	460	

\* ADJUSTED FOR RECYCLE.

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES  
 Northeast Water Pollution Control Plant  
 NPDES SUMMARY FOR THE MONTH OF JULY 2016  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
07/06/2016	0.792	3.470	2.50	3.40	0.341
07/11/2016	1.350	3.770	3.60	4.93	0.248
07/13/2016	1.240	3.340	2.60	3.81	0.291
07/15/2016	1.040	2.970	2.60	3.70	0.201
07/20/2016	0.979	1.620	6.30	7.40	0.224
07/22/2016			5.96		
07/27/2016	1.010	2.470	3.27	4.37	0.172
AVG	1.069	2.940	3.83	4.60	0.246
MAX	1.350	3.770	6.30	7.40	0.341

**Cyanide and Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
07/11/2016	< 0.030
07/13/2016	< 0.030
07/15/2016	< 0.030
AVG	< 0.030

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	07/11/2016	07/13/2016	07/15/2016	AVG
Copper	0.0050	0.0050	0.0040	0.0047
Iron	0.2180	0.2670	0.2680	0.2510
Iron Dissolved	0.0570	0.0880	0.0530	0.0660
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	< 0.0250	< 0.0250	< 0.0250	< 0.0250

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	07/10/2016	07/11/2016	07/12/2016	07/13/2016	07/14/2016	07/15/2016	07/16/2016	AVG
1,2-Dichloroethane	<	0.0025	<	0.0025	<	0.0025	<	0.0025
3,3-Dichlorobenzidine	<	0.0050	<	0.0050	<	0.0050	<	0.0050
alpha-BHC	<	0.000083	<	0.000083	<	0.000083	<	0.000083
Benzidine	<	0.0590	<	0.0590	<	0.0570	<	0.0583
Beta-BHC	<	0.000083	<	0.000083	<	0.000083	<	0.000083
Chlordane	<	0.0004100	<	0.0004100	<	0.0004100	<	0.0004100
Chloroform	0.00346	<	0.0025	0.0028	0.0032	0.0030	<	0.0029
Chlorodibromomethane	<	0.0025	<	0.0025	<	0.0025	<	0.0025
Dieldrin	<	0.0000170	<	0.0000170	<	0.0000160	<	0.0000167
Endrin	<	0.0000170	<	0.0000170	<	0.0050000	<	0.0000160
Heptachlor	<	0.0000200	<	0.0000500	<	0.0000200	<	0.0000300
p,p'-DDD	<	0.0000170	<	0.0000170	<	0.0000160	<	0.0000167
p,p'-DDE	<	0.0000170	<	0.0000170	<	0.0000160	<	0.0000167
p,p'-DDT	<	0.0000170	<	0.0000170	<	0.0000160	<	0.0000167
Lindane(Gamma-BHC)	<	0.000083	<	0.000083	<	0.000080	<	0.000082
Tetrachloroethylene	<	0.0025	<	0.0025	<	0.0025	<	0.0025
Trichloroethylene	<	0.0025	<	0.0025	<	0.0025	<	0.0025

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF JULY 2016**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**07/15/2016**

<b>Toxicity, Ceriodaphnia acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Ceriodaphnia chronic</b>		<b>1</b>
<b>Toxicity, Pimphales acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Pimphales chronic</b>		<b>1</b>

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
JULY 2016	Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP	Sludge Processed by Biosolids Recycle Center / Synagro	DT	Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP	Sludge Processed by Biosolids Recycle Center / Synagro	DT
	MGD	MGD		MGD	MGD	
07/01/2016	0.901	1.688	146	0.766	0.506	75.4
07/02/2016	0.913	0.940	93	0.927	1.195	149.4
07/03/2016	0.827	0.595	55	1.377	1.551	186.4
07/04/2016	0.914	1.060	100	1.292	1.300	130.2
07/05/2016	0.000	0.202	17	2.245	2.021	206.2
07/06/2016	0.916	0.393	69	1.158	0.976	114.1
07/07/2016	0.904	1.096	110	0.120	0.519	59.4
07/08/2016	0.891	1.175	118	1.292	0.892	84.4
07/09/2016	0.000	0.000	0	0.861	1.286	127.1
07/10/2016	0.911	0.788	77	0.904	0.795	82.7
07/11/2016	0.927	0.529	49	1.014	0.937	90.6
07/12/2016	0.897	1.284	137	0.190	0.000	0.0
07/13/2016	0.893	1.095	120	0.432	0.667	94.9
07/14/2016	0.000	0.000	0	1.072	1.080	120.9
07/15/2016	0.936	0.685	73	0.985	0.977	90.2
07/16/2016	0.902	0.930	88	0.957	0.961	97.8
07/17/2016	0.911	0.541	62	0.890	0.685	78.4
07/18/2016	0.000	0.603	58	1.485	1.563	176.1
07/19/2016	0.931	0.803	80	0.880	0.798	71.1
07/20/2016	0.919	1.020	113	0.724	0.948	87.7
07/21/2016	0.918	0.470	45	1.962	1.776	221.2
07/22/2016	0.887	1.001	103	0.856	1.051	116.9
07/23/2016	0.000	0.339	33	1.094	1.564	176.5
07/24/2016	0.900	0.757	74	0.955	0.281	26.1
07/25/2016	0.899	0.940	87	0.914	0.913	89.7
07/26/2016	0.000	0.129	12	1.009	1.379	179.6
07/27/2016	0.926	0.541	54	0.860	0.618	81.3
07/28/2016	0.000	0.388	49	0.576	0.817	84.5
07/29/2016	0.914	0.664	82	1.086	0.946	108.8
07/30/2016	0.930	0.925	115	1.154	1.090	125.4
07/31/2016	0.892	0.581	68	0.945	1.163	138.8
<b>TOTAL</b>	21.759	22.163	2,285	30.981	31.254	3,472.0
<b>AVERAGE</b>	0.702	0.715	74	0.999	1.008	112

NE WET Testing Composite

Report Date: 08/22/2016

WW160711-025

Composite 24h 07/11/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1262 <sup>B,D</sup>	NA			1/1/2000	0:00	NM <sup>E</sup>	µg/L	0.41	µg/L
Aroclor 1268 <sup>B,D</sup>	NA			1/1/2000	0:00	NM <sup>E</sup>	µg/L	0.41	µg/L
CBOD5	SM 5210 B	7/11/2016	14:10	7/16/2016	10:00	<2.00	mg/L	2	mg/L
Phenols <sup>B,D</sup>	EPA 420.4			7/14/2016	3:24	<0.030 <sup>E</sup>	mg/L	0.030	mg/L

Data Qualifiers:

Aroclor 1262	This analyte was not requested for analysis.
Aroclor 1268	This analyte was not requested for analysis.
CBOD5	LFB Recovery is 150 mg/L. Acceptance limits are 168 to 229 mg/L.
Phenols	Laboratory Fortified Matrix (LFM) recovery is 111%. Acceptance limits are 90 to 110%.

WW160713-025

Composite 24h 07/13/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4-Chlorophenyl phenyl ether <sup>B,D</sup>	EPA 625	7/19/2016	18:00	7/21/2016	1:56	<5 <sup>E</sup>	µg/L	5	µg/L
Acenaphthene <sup>B,D</sup>	EPA 625	7/19/2016	18:00	7/21/2016	1:56	<5 <sup>E</sup>	µg/L	5	µg/L
Aroclor 1262 <sup>B,D</sup>	NA			1/1/2000	0:00	NM <sup>E</sup>	µg/L	0.41	µg/L
Aroclor 1268 <sup>B,D</sup>	NA			1/1/2000	0:00	NM <sup>E</sup>	µg/L	0.41	µg/L
Fluorene <sup>B,D</sup>	EPA 625	7/19/2016	18:00	7/21/2016	1:56	<5 <sup>E</sup>	µg/L	5	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	7/19/2016	18:00	7/21/2016	1:56	<15 <sup>E</sup>	µg/L	15	µg/L

Data Qualifiers:

4-Chlorophenyl phenyl ether	The recovery of the LCS is 70%, which is outside the acceptance limits of 76-115%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
Acenaphthene	The recovery of the LCS is 67%, which is outside the acceptance limits of 71-118%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
Aroclor 1262	This analyte was not requested for analysis.
Aroclor 1268	This analyte was not requested for analysis.
Fluorene	The recovery of the LCS is 79%, which is outside the acceptance limits of 80-116%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
Hexachlorocyclopentadiene	The recovery of the LCS is 7% and the LCSD is 9%, which are outside the acceptance limits of 24-128%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.

WW160715-024

Composite 24h 07/15/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4,6-Dinitro-o-cresol <sup>B,D</sup>	EPA 625	7/21/2016	9:00	7/23/2016	2:56	<14 <sup>E</sup>	µg/L	14	µg/L
Aroclor 1262 <sup>B,D</sup>	NA			1/1/2000	0:00	NM <sup>E</sup>	µg/L	0.4	µg/L
Aroclor 1268 <sup>B,D</sup>	NA			1/1/2000	0:00	NM <sup>E</sup>	µg/L	0.4	µg/L
CBOD5	SM 5210 B	7/15/2016	13:35	7/20/2016	10:35	<2.00	mg/L	2	mg/L
Hexachlorobutadiene <sup>B,D</sup>	EPA 625	7/21/2016	9:00	7/23/2016	2:56	<5 <sup>E</sup>	µg/L	5	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	7/21/2016	9:00	7/23/2016	2:56	<14 <sup>E</sup>	µg/L	14	µg/L
Hexachloroethane <sup>B,D</sup>	EPA 625	7/21/2016	9:00	7/23/2016	2:56	<5 <sup>E</sup>	µg/L	5	µg/L

Data Qualifiers:

4,6-Dinitro-o-cresol	The recovery of the LCS is 71%, which is outside the acceptance limits of 74-120%, but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD standards.
Aroclor 1262	This analyte was not requested for analysis.
Aroclor 1268	This analyte was not requested for analysis.
CBOD5	LFB Recovery is 145.5 mg/L. Acceptance limits are 168 to 229 mg/L.
Hexachlorobutadiene	The Relative Percent Difference (RPD) between the sample and sample duplicate is 39%. The maximum acceptable RPD is 30%. The measured results were 31 and 46 ug/L.
Hexachlorocyclopentadiene	The recovery of the LCS is 13% and the LCSD is 20%, which is outside the acceptance limits of 24-128%, but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD standards. The Relative Percent Difference (RPD) between the sample and sample duplicate is 37%. The maximum acceptable RPD is 30%.



Hexachloroethane


The Relative Percent Difference (RPD) between the sample and sample duplicate is 36%. The maximum acceptable RPD is 30%.  
The measured results were 33 and 48 ug/L.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
Name: Gary Burlingame  
Title: Laboratory Director  
Date: 8/22/2016

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Fecal Coliform Daily

Report Date: 08/22/2016

WW160728-020

Grab 07/28/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	NA			1/1/2000	0:00	NS	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	South contact tank is having maintenance
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WW160729-020

Grab 07/29/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	NA			7/31/2000	8:14	NS	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	South contact tank is having maintenance
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WW160730-020

Grab 07/30/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	NA			7/31/2000	8:14	NS	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	South contact tank is having maintenance
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WW160731-020

Grab 07/31/2016 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			8/1/2016	7:55	22.8	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)

Precision Criteria Exceeded. Duplicate sample 64.4 MPN/100mL. Location was out of service for 3 days for maintenance.

Legend

A - Results reported on a basis other than as received, e.g. dry weight.

B - Tests performed are not covered by BLS's scope of accreditation.

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D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: Gary Burlingame  
Title: Laboratory Director  
Date: 8/22/2016

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report Date: 08/22/2016

WW160727-007

Grab 07/27/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Oxygen Dissolved	NA			7/27/2016	0:00	NS	mg/L		mg/L

Data Qualifiers:

Oxygen Dissolved	No sample recieved
------------------	--------------------

WW160728-006

Grab 07/28/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Oxygen Dissolved	NA			7/28/2016	0:00	NS	mg/L		mg/L
pH	NA			7/28/2016	0:00	NS	pH Unit		pH Unit

Data Qualifiers:

Oxygen Dissolved	No sample received
pH	No Sample received

WW160729-006

Grab 07/29/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	NA			7/29/2016	0:00	NS	mg/L		mg/L
Oxygen Dissolved	NA			7/29/2016	0:00	NS	mg/L		mg/L
pH	NA			7/29/2016	0:00	NS	pH Unit		pH Unit

Data Qualifiers:

Chlorine Residual Total	No sample received
Oxygen Dissolved	No Sample received
pH	No Sample received

WW160730-006

Grab 07/30/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	NA			7/30/2016	0:00	NS	mg/L		mg/L
Oxygen Dissolved	NA			7/30/2016	0:00	NS	mg/L		mg/L
pH	NA			7/30/2016	0:00	NS	pH Unit		pH Unit

Data Qualifiers:

Chlorine Residual Total	No sample received.
Oxygen Dissolved	No sample received
pH	No Sample received

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: Gary Burlingame  
 Title: Laboratory Director  
 Date: 8/22/2016

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite

Report Date: 08/22/2016

WW160709-004

Composite 07/09/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/10/2016	9:05	7/15/2016	8:50	2	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 122%. Acceptance limits are 85 to 115%.
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WW160712-004

Composite 07/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/13/2016	7:45	7/13/2016	9:55	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 85%. Acceptance limits are 85 to 115%.
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WW160719-004

Composite 07/19/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/20/2016	7:50	7/20/2016	9:50	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/22/2016	9:00	7/27/2016	8:00	3	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	7/22/2016	7:40	7/22/2016	9:40	3	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/25/2016	7:50	7/25/2016	9:50	5	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 72.5%. Acceptance limits are 85 to 115%.
------------------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

Name: Gary Burlingame  
 Title: Laboratory Director  
 Date: 8/22/2016



**Debra A. McCarty, Water Commissioner**

September 28, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for July 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Submitted By : Mary Ellen Senss**

**Submission Id : 29399**

**Submission Status : Received**

**Facility Name : PHILA WATER DEPT - NORTHEAST WPC PLANT**

**Permit Number : PA0026689**

**Report Type : Monthly**

**Monitoring Report Period : 08/01/2016 - 08/31/2016**

**Monitoring Report Due Date : 09/28/2016**



# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for August 2016

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

HEADER INFORMATION					
Facility ID:	479063	Facility Name:	PHILA WATER DEPT - NORTHEAST WPC PLANT	Location Address:	3899 RICHMOND ST, PHILADELPHIA PA, 19137
Permit Number:	PA0026689	Monitoring Period:	08/01/2016-08/31/2016	Mailing Address:	1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994

PARAMETERS REPORTED VALUES										
Sampling Point		001		Stage Code			Final Effluent		No Discharge Indicator	N
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
Dissolved Oxygen	Sample Measurement	***	***	***	4.3	5.3	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.7	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	4067	5328	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	6.56	7.07	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	1.244	1.420	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	1.970	2.250	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	7.68	7.97	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.208	.266	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	.030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0060	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.3700	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

Iron, Dissolved	Sample Measurement	***	***	***	***	.0790	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0250	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	128	192	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.21	.33	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	16	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	2816	3283	lbs/day	***	3	3	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	10391	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>ATTACHMENT DETAILS</b>			
<b>File Name</b>	<b>Attachment Type</b>	<b>Uploaded Time</b>	<b>Attachment Comment</b>
E-NPDES NE201608.xls	Daily Effluent Monitoring Form	2016-09-27T13:30:47-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	2C6386537AF4921EE7EA4A38D2074EEFBC9207224782E6CC2382101F4BF2490987608A4473AE4BAE50AE768CFC9D98E1BB0DCD8725B965AE2402121DB8273530		
NE Fecal Coliform Daily (09-22-2016).pdf	Laboratory Accreditation Form	2016-09-27T13:34:03-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	767C2A07CEB348392C70C7ED7F12ABEBBB3F45FE8555D94A77B3AFB874C045FAA01B78C56C3BBAA7387C191D09BF2099A399EDC3E9A99004B32F7D76F2B2655A		
NE Daily Composite (09-22-2016).pdf	Laboratory Accreditation Form	2016-09-27T13:33:33-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	85CE334300E17AEF5C61244B582B9D52D6454CF3BAB194BA817A13CDE2DF82B06B364387664FF43C4B1A73EDE0384087FB4166A3091033B61434F7A2F49A86D6		
BLSNE201608.xls	Nutrient Monitoring Form	2016-09-27T13:31:16-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	1C7C10803EC293FA372EC8D70FE8EB35E95BD4F9BCBAADF93123529682659E217EFA8CD97BA345ECF5411FF0C838E3B526BAB9B3DB720C50B80FA5566F842EB2		
201608SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-09-27T13:32:42-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	B832AF687CDB67F4143EAF52E622E2318260D8282C452F8F68DB732C2AEABFE4B7821BE38EA47CEEED9DF82C6DB3B6815BFE8478089F7969654961BED929F281		
NECSO 201608.xls	CSO Detailed Outfall Report Form	2016-09-27T13:31:58-04:00	
<b>Cryptographic Hash Value of File (SHA-512)</b>	C854385B9960DBC5D80A33968555155205F088402C7E7587A3D9E1768964C6BB39D98EE1B5FC8E28FBDF3DDA7622E13E8D425477FA774066733A690427FDF1E6		

**PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)**

<b>PERMIT VIOLATIONS</b>											
Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

<b>UNAUTHORISED DISCHARGES</b>												
Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

<b>OTHER PERMIT VIOLATIONS</b>				
Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

<b>COMMENTS DETAILS</b>			
Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES Permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifiers.	Marty Ellen Senss	S12300	215-685-6258

<b>SUBMISSION INFORMATION</b>			
<p>*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).</p>			
<b>Submitted By GreenPort User</b>	<b>SENSSM</b>	<b>Submitted By Full Name</b>	<b>Mary Ellen Senss</b>
<b>Email Address</b>	maryellen.senss@phila.gov	<b>Document Generated</b>	9/27/2016

# PERMIT NEWPCP - AUGUST 2016 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 LBS*** (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	
su 07/31/2016	157	133	3	98		3,925	89	2	98	2,617	
M 08/01/2016	127	171	4	98		4,230	118	2	98	2,115	10
T 08/02/2016	128	194	3	98		3,192	139	3	98	3,192	
W 08/03/2016	139	318	3	99		3,467	197	3	98	3,467	13
Th 08/04/2016	135	218	3	99		3,386	153	3	98	3,386	
F 08/05/2016	132	212	4	98		4,402	151	3	98	3,301	
S 08/06/2016	131	213	5	98		5,475	147	3	98	3,285	
Su 08/07/2016	120	178	2	99		2,009	142	3	98	3,014	
M 08/08/2016	115	207	3	99		2,880	156	2	99	1,920	11
T 08/09/2016	115	274	3	99		2,873	156	2	99	1,915	
W 08/10/2016	130	238	4	98		4,353	149	2	99	2,177	10
Th 08/11/2016	138	228	5	98		5,755	161	3	98	3,453	
F 08/12/2016	144	216	4	98		4,803	151	4	97	4,803	
S 08/13/2016	135	189	4	98		4,504	120	3	98	3,378	
Su 08/14/2016	131	189	3	98		3,268	122 <	2	98	2,179	
M 08/15/2016	130	287	3	99		3,257	142	2	99	2,171	8
T 08/16/2016	153	233	5	98		6,388	131	3	98	3,833	
W 08/17/2016	135	182	3	98		3,379	133	2	98	2,253	8
Th 08/18/2016	116	219	2	99		1,928	157	2	99	1,928	
F 08/19/2016	104	198	3	98		2,598	132	2	98	1,732	
S 08/20/2016	109	292	4	99		3,625	158	2	99	1,812	
Su 08/21/2016	192	220	11	95		17,625	143	6	96	9,614	
M 08/22/2016	135	205	3	99		3,385	135	2	99	2,257	9
T 08/23/2016	134	273	4	99		4,485	142	2	99	2,242	
W 08/24/2016	120	201	3	99		3,011	134	3	98	3,011	8
Th 08/25/2016	119	213	3	99		2,986	138	2	99	1,990	
F 08/26/2016	115	136	3	98		2,868	141	2	99	1,912	
S 08/27/2016	117	221	3	99		2,935	129	2	98	1,956	
Su 08/28/2016	122	178	3	98		3,056	140	2	99	2,037	
M 08/29/2016	120	250	3	99		3,007	142	1	99	1,002	8
T 08/30/2016	118	239	4	98		3,939	171	2	99	1,970	
W 08/31/2016	120	196	3	98		2,993	175	4	98	3,990	13

TOTAL	3,980	6,788					4,506				
AVERAGE	128	219	4	98		4,067	145	3	98	2,816	10

Wk1	135	208	4	98	4,011	142	3	98	3,052
Wk2	128	219	4	98	3,882	148	3	98	2,951
Wk3	125	229	3	99	3,492	139	2	98	2,273
Wk4	133	210	4	98	5,328	137	3	98	3,283

MAX	192
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CBOD 20 LBS--	10,391
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NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - AUGUST 2016**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
M 08/01/2016	127	6.9	6.9	5.5	0.22	73		
T 08/02/2016	128	7.0	7.0	5.6	0.24	41		
W 08/03/2016	139	7.1	7.1	5.5	0.24	210		
Th 08/04/2016	135	7.1	7.0	5.4	0.19	122		
F 08/05/2016	132	7.0	7.0	5.4	0.29	10		
S 08/06/2016	131	7.0	7.0	5.5	0.24	14		
Su 08/07/2016	120	6.9	6.9	5.7	0.19	19		
M 08/08/2016	115	6.9	6.9	5.5	0.21	17		
T 08/09/2016	115	6.9	6.9	5.4	0.14	23		
W 08/10/2016	130	7.0	7.0	5.2	0.29	12		
Th 08/11/2016	138	6.9	6.9	4.3	0.30	12		
F 08/12/2016	144	6.8	6.8	4.4	0.23	13		
S 08/13/2016	135	6.9	6.9	4.7	0.11	33		
Su 08/14/2016	131	7.0	7.0	5.2	0.15	41		
M 08/15/2016	130	6.9	6.9	5.4	0.19	3		
T 08/16/2016	153	7.0	7.0	5.6	0.21	8		
W 08/17/2016	135	6.8	6.7	5.6	0.27	23		
Th 08/18/2016	116	6.8	6.8	5.6	0.18	35		
F 08/19/2016	104	6.9	6.9	5.6	0.23	9		
S 08/20/2016	109	6.9	6.9	5.6	0.17	14		
Su 08/21/2016	192	6.9	6.9	5.5	0.16	11		
M 08/22/2016	135	6.7	6.7	5.6	0.23	11		
T 08/23/2016	134	6.8	6.8	5.5	0.33	6		
W 08/24/2016	120	6.8	6.9	5.4	0.28	6		
Th 08/25/2016	119	6.9	6.9	5.2	0.21	5		
F 08/26/2016	115	6.9	6.9	4.5	0.25	5		
S 08/27/2016	117	6.9	6.9	4.6	0.15	13		
Su 08/28/2016	122	6.8	6.9	5.2	0.17	21		
M 08/29/2016	120	6.9	6.9	5.4	0.21	4		
T 08/30/2016	118	6.8	6.8	5.5	0.18	13		
W 08/31/2016	120	6.8	6.7	5.6	0.25	11		
TOTAL	3,980	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	128	6.7	7.1	4.3	5.3	0.21	0.33	MEAN
								16

Wk1 135  
Wk2 128  
Wk3 125  
Wk4 133

**MAX** 192

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - AUGUST 2016  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
08/01/2016	0.21	0.23	0.22	5.5	5.5	5.5	228	23	73
08/02/2016	0.22	0.26	0.24	5.5	5.6	5.6	192	9	41
08/03/2016	0.21	0.26	0.24	5.5	5.5	5.5	461	96	210
08/04/2016	0.16	0.21	0.19	5.4	5.4	5.4	326	46	122
08/05/2016	0.25	0.32	0.29	5.4	5.3	5.4	23	4	10
08/06/2016	0.21	0.27	0.24	5.5	5.5	5.5	28	8	14
08/07/2016	0.19	0.19	0.19	5.7	5.6	5.7	22	17	19
08/08/2016	0.21	0.20	0.21	5.4	5.5	5.5	21	13	17
08/09/2016	0.15	0.13	0.14	5.4	5.4	5.4	38	14	23
08/10/2016	0.24	0.33	0.29	5.2	5.2	5.2	13	11	12
08/11/2016	0.35	0.24	0.30	4.4	4.1	4.3	11	14	12
08/12/2016	0.24	0.22	0.23	4.6	4.1	4.4	19	10	13
08/13/2016	0.13	0.08	0.11	4.7	4.6	4.7	15	72	33
08/14/2016	0.10	0.19	0.15	5.1	5.2	5.2	199	9	41
08/15/2016	0.24	0.14	0.19	5.4	5.4	5.4	4	2	3
08/16/2016	0.23	0.19	0.21	5.6	5.6	5.6	10	6	8
08/17/2016	0.34	0.19	0.27	5.5	5.7	5.6	6	81	23
08/18/2016	0.14	0.22	0.18	5.6	5.6	5.6	166	7	35
08/19/2016	0.26	0.20	0.23	5.6	5.5	5.6	5	14	9
08/20/2016	0.21	0.13	0.17	5.6	5.5	5.6	17	11	14
08/21/2016	0.21	0.11	0.16	5.5	5.5	5.5	10	13	11
08/22/2016	0.24	0.21	0.23	5.6	5.5	5.6	10	12	11
08/23/2016	0.35	0.30	0.33	5.4	5.6	5.5	6	5	6
08/24/2016	0.32	0.23	0.28	5.4	5.3	5.4	8	5	6
08/25/2016	0.23	0.19	0.21	5.2	5.1	5.2	2	11	5
08/26/2016	0.27	0.23	0.25	4.6	4.3	4.5	7	4	5
08/27/2016	0.14	0.15	0.15	4.8	4.4	4.6	17	10	13
08/28/2016	0.18	0.16	0.17	5.3	5.1	5.2	10	44	21
08/29/2016	0.21	0.21	0.21	5.4	5.4	5.4	9	2	4
08/30/2016	0.17	0.18	0.18	5.6	5.4	5.5	26	6	13
08/31/2016	0.27	0.22	0.25	5.6	5.5	5.6	13	10	11
Avg	0.22	0.21	0.21	5.3	5.2	5.3	21	12	16



**PERMIT  
NEWPCP - AUGUST 2016**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
08/01/2016	129	3	98%
08/02/2016			
08/03/2016	265	8	97%
08/04/2016			
08/05/2016			
08/06/2016			
08/07/2016			
08/08/2016	146	4	97%
08/09/2016			
08/10/2016	139	5	96%
08/11/2016			
08/12/2016			
08/13/2016			
08/14/2016			
08/15/2016	146	4	97%
08/16/2016			
08/17/2016	135	4	97%
08/18/2016			
08/19/2016			
08/20/2016			
08/21/2016			
08/22/2016	135	3	98%
08/23/2016			
08/24/2016	138	4	97%
08/25/2016			
08/26/2016			
08/27/2016			
08/28/2016			
08/29/2016	145	2	99%
08/30/2016			
08/31/2016	135	8	94%
AVG	151	5	97%

DESIGN - 210 MGD

NEWPCP - AUGUST 2016						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
08/01/2016	42	49	35	127	177	
08/02/2016	36	60	32	128	201	T
08/03/2016	41	65	32	139	175	
08/04/2016	41	63	32	135	198	
08/05/2016	38	63	31	132	183	
08/06/2016	43	56	33	131	213	
08/07/2016	41	48	31	120	177	
08/08/2016	41	43	31	115	177	
08/09/2016	41	42	31	115	147	
08/10/2016	38	62	31	130	284	
08/11/2016	42	60	36	138	281	0.31
08/12/2016	34	77	33	144	334	
08/13/2016	40	59	36	135	199	
08/14/2016	41	58	31	131	178	0.03
08/15/2016	41	57	32	130	171	T
08/16/2016	56	58	39	153	416	
08/17/2016	48	52	36	135	252	0.57
08/18/2016	40	43	33	116	161	0.19
08/19/2016	41	34	29	104	159	T
08/20/2016	40	37	32	109	199	
08/21/2016	62	89	41	192	439	0.60
08/22/2016	39	67	29	135	162	
08/23/2016	39	66	30	134	173	
08/24/2016	31	59	30	120	174	
08/25/2016	28	62	29	119	162	T
08/26/2016	27	58	30	115	156	
08/27/2016	26	61	31	117	157	
08/28/2016	28	63	30	122	160	
08/29/2016	27	63	31	120	150	
08/30/2016	25	63	29	118	152	
08/31/2016	41	62	16	120	351	T
TOTAL	1,158	1,736	966	3,860		1.70
AVG	39	58	32	129		
		MIN		104	147	
		MAX		192	439	

\* ADJUSTED FOR RECYCLE.

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
**Northeast Water Pollution Control Plant**  
**NPDES SUMMARY FOR THE MONTH OF AUGUST 2016**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
08/03/2016	1.220	1.950	7.07	7.58	0.266
08/10/2016	1.160	1.840	6.93	7.97	0.211
08/17/2016	1.280	2.090	6.47	7.62	0.263
08/24/2016	1.140	1.720	6.38	7.83	0.147
08/31/2016	1.420	2.250	5.95	7.41	0.154
<b>AVG</b>	1.244	1.970	6.56	7.68	0.208
<b>MAX</b>	1.420	2.250	7.07	7.97	0.266

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
08/03/2016	< 0.030

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	08/03/2016
Copper	0.0060
Iron	0.3700
Iron Dissolved	0.0790
Lead	< 0.0030
Zinc	< 0.0250

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	08/01/2016
1,2-Dichloroethane	< 0.0025
Chloroform	< 0.0025
Chlorodibromomethane	< 0.0025
Tetrachloroethylene	< 0.0025
Trichloroethylene	< 0.0025

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
AUGUST 2016	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
08/01/2016	0.923	1.071	127	0.839	0.728	137.5
08/02/2016	0.000	0.355	34	1.333	1.331	156.2
08/03/2016	0.928	0.287	29	0.903	0.921	104.6
08/04/2016	0.903	0.857	92	0.056	0.175	18.1
08/05/2016	0.000	0.741	75	0.765	0.652	75.9
08/06/2016	0.928	0.561	51	0.727	0.812	73.8
08/07/2016	0.000	0.289	29	0.952	1.150	134.3
08/08/2016	0.908	0.433	44	1.012	0.799	105.7
08/09/2016	0.942	0.630	61	1.388	1.414	178.4
08/10/2016	0.919	1.326	141	0.567	0.631	88.0
08/11/2016	0.909	0.735	75	0.209	0.291	35.2
08/12/2016	0.897	0.737	70	1.375	1.219	146.5
08/13/2016	0.657	0.859	81	1.194	1.103	99.0
08/14/2016	0.000	0.590	59	1.325	1.567	171.7
08/15/2016	0.924	0.125	13	2.057	1.974	233.0
08/16/2016	0.887	1.430	162	0.245	0.423	42.3
08/17/2016	0.870	1.105	115	0.857	0.557	57.9
08/18/2016	0.000	0.000	0	1.345	1.314	150.3
08/19/2016	0.920	0.513	55	1.083	1.255	129.5
08/20/2016	0.908	0.442	62	0.899	1.057	112.6
08/21/2016	0.000	0.863	102	0.730	0.653	73.3
08/22/2016	0.895	0.393	41	1.056	0.783	85.8
08/23/2016	0.913	1.022	120	0.442	0.747	92.4
08/24/2016	0.911	0.664	69	0.904	0.711	88.7
08/25/2016	0.902	1.149	114	0.974	0.883	98.9
08/26/2016	0.000	0.136	15	1.092	1.123	122.9
08/27/2016	0.908	0.881	96	0.788	0.670	103.6
08/28/2016	0.000	0.294	41	1.576	1.593	188.3
08/29/2016	0.909	0.497	60	0.618	0.868	75.9
08/30/2016	0.922	0.900	146	1.134	1.103	122.1
08/31/2016	0.919	0.611	69	1.290	1.007	102.3
<b>TOTAL</b>	20.704	20.497	2,248	29.732	29.516	3,405
<b>AVERAGE</b>	0.668	0.661	73	0.959	0.952	110

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite

Report Date: 09/21/2016

WW160801-002

Composite 08/01/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/2/2016	8:05	8/2/2016	10:05	168	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
------------------------	--

WW160801-003

Composite 08/01/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/2/2016	8:05	8/2/2016	10:05	192	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW160801-004

Composite 08/01/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/2/2016	8:05	8/2/2016	10:05	192	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW160801-005

Composite 24h 08/01/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/2/2016	7:45	8/2/2016	9:50	4	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW160804-001

Composite 08/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/5/2016	8:10	8/5/2016	10:10	192	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW160804-002

Composite 08/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/5/2016	8:10	8/5/2016	10:10	212	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW160804-003

Composite 08/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/5/2016	8:10	8/5/2016	10:10	232	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW160804-004

Composite 08/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/5/2016	7:50	8/5/2016	10:00	3	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW160807-001

Composite 08/07/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	8/8/2016	8:30	8/13/2016	8:35	133	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160807-002

Composite 08/07/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	8/8/2016	8:30	8/13/2016	8:35	156	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160807-003

Composite 08/07/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	8/8/2016	8:30	8/13/2016	8:35	155	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160807-004

Composite 08/07/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	8/8/2016	8:30	8/13/2016	8:35	3	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160808-002

Composite 08/08/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/9/2016	8:00	8/9/2016	10:00	184	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 70%. Acceptance limits are 85 to 115%.
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WW160808-003

Composite 08/08/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/9/2016	8:00	8/9/2016	10:00	196	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 70%. Acceptance limits are 85 to 115%.
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WW160808-004

Composite 08/08/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/9/2016	8:00	8/9/2016	10:00	220	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 70%. Acceptance limits are 85 to 115%.
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WW160808-005

Composite 24h 08/08/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/9/2016	7:40	8/9/2016	9:45	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 70%. Acceptance limits are 85 to 115%.
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WW160816-001

Composite 08/16/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/17/2016	8:08	8/17/2016	10:10	204	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW160816-002

Composite 08/16/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/17/2016	8:08	8/17/2016	10:10	276	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW160816-003

Composite 08/16/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/17/2016	8:08	8/17/2016	10:10	216	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW160816-004

Composite 08/16/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/17/2016	7:50	8/17/2016	10:00	5	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW160817-002

Composite 08/17/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/18/2016	7:55	8/18/2016	9:55	168	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW160817-003

Composite 08/17/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/18/2016	7:55	8/18/2016	9:55	244	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
------------------------	--

WW160817-004

Composite 08/17/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/18/2016	7:55	8/18/2016	9:55	168	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW160817-005

Composite 24h 08/17/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/18/2016	7:35	8/18/2016	9:35	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW160818-001

Composite 08/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/19/2016	8:00	8/19/2016	10:00	192	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW160818-002

Composite 08/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/19/2016	8:00	8/19/2016	10:00	228	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW160818-003

Composite 08/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/19/2016	8:00	8/19/2016	10:00	216	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
------------------------	--

WW160818-004

Composite 08/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/19/2016	7:45	8/19/2016	9:55	2	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW160825-001

Composite 08/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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Solids Suspended Total	SM 2540 D	8/26/2016	7:55	8/26/2016	10:00	204	mg/L	2.5	mg/L
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Data Qualifiers:

Solids Suspended Total	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW160825-002

Composite 08/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/26/2016	7:55	8/26/2016	10:00	224	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW160825-003

Composite 08/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/26/2016	7:55	8/26/2016	10:00	232	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW160825-004

Composite 08/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/26/2016	7:45	8/26/2016	9:55	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW160826-001

Composite 08/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/27/2016	7:50	8/27/2016	9:50	136	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Fortified Blank (LFB) recovery is 60%. Acceptance limits are 85 to 115%.
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WW160826-002

Composite 08/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/27/2016	7:50	8/27/2016	9:50	136	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Fortified Blank (LFB) recovery is 60%. Acceptance limits are 85 to 115%.
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WW160826-003

Composite 08/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/27/2016	7:50	8/27/2016	9:50	160	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Fortified Blank (LFB) recovery is 60%. Acceptance limits are 85 to 115%.
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WW160826-004

Composite 08/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/27/2016	7:50	8/27/2016	9:50	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Fortified Blank (LFB) recovery is 60%. Acceptance limits are 85 to 115%.
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WW160828-001

Composite 08/28/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/29/2016	8:10	8/29/2016	10:10	164	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Fortified Blank (LFB) recovery is 80%. Acceptance limits are 85 to 115%.
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WW160828-002

Composite 08/28/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/29/2016	8:10	8/29/2016	10:10	184	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Fortified Blank (LFB) recovery is 80%. Acceptance limits are 85 to 115%.
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WW160828-003

Composite 08/28/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/29/2016	8:10	8/29/2016	10:10	160	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Fortified Blank (LFB) recovery is 80%. Acceptance limits are 85 to 115%.
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WW160828-004

Composite 08/28/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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Solids Suspended Total	SM 2540 D	8/29/2016	7:55	8/29/2016	10:05	3	mg/L	2.5	mg/L
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Data Qualifiers:

Solids Suspended Total	Laboratory Fortified Blank (LFB) recovery is 80%. Acceptance limits are 85 to 115%.
------------------------	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
 Signature: \_\_\_\_\_  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 9/21/2016



Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Fecal Coliform Daily

Report Date: 09/21/2016

WW160815-020

Grab 08/15/2016 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr	8/15/2016	9:56	8/16/2016	7:44	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria Exceeded. Duplicate result 1.0MPN/mL. Low values
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WW160816-020

Grab 08/16/2016 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr	8/16/2016	9:58	8/17/2016	7:55	6.3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria exceeded. Duplicate result : 16 MPN/mL
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
 Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 9/21/2016



**Debra A. McCarty, Water Commissioner**

October 28, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for September 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Submitted By :** Mary Ellen Senss

**Submission Id :** 32032

**Submission Status :** Received

**Facility Name :** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number :** PA0026689

**Report Type :** Monthly

**Monitoring Report Period :** 09/01/2016-09/30/2016

**Monitoring Report Due Date :** 10/28/2016

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for September 2016

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT

## NEWPCP - SEPTEMBER 2016

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)	
			EFF (mg/L)	SS% REM	SS%** REM	LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM		CBOD5** %REM
Th 09/01/2016	138	188	4	98		4,591		135	4	97	4,591	
F 09/02/2016	123	245	2	99		2,045		151	2	99	2,045	
S 09/03/2016	123	227	2	99		2,059		152	2	99	2,059	
Su 09/04/2016	124	181	3	98		3,111		148	2	99	2,074	
M 09/05/2016	132	209	3	99		3,291		140	2	99	2,194	13
T 09/06/2016	139	184	4	98		4,641		114	2	98	2,320	
W 09/07/2016	126	340	3	99		3,150		200	2	99	2,100	12
Th 09/08/2016	112	273	3	99		2,809		182	2	99	1,873	
F 09/09/2016	119	298	3	99		2,987		170	2	99	1,991	
S 09/10/2016	119	158	3	98		2,979		125	2	98	1,986	
Su 09/11/2016	112	164	4	98		3,732		118	2	98	1,866	
M 09/12/2016	107	198	3	98		2,665		135	2	99	1,777	10
T 09/13/2016	115	251	2	99		1,917		149	2	99	1,917	
W 09/14/2016	119	278	3	99		2,970		187	3	98	2,970	11
Th 09/15/2016	118	227	4	98		3,946		183	3	98	2,960	
F 09/16/2016	118	262	4	98		3,939		187	4	98	3,939	
S 09/17/2016	125	205	5	98		5,232		199	3	98	3,139	
Su 09/18/2016	132	162	5	97		5,519		145	3	98	3,311	
M 09/19/2016	217	206	18	91		32,606		126	8	94	14,492	21
T 09/20/2016	128	230	3	99		3,212		155	2	99	2,141	
W 09/21/2016	117	366	3	99		2,931		206	2	99	1,954	9
Th 09/22/2016	118	231	3	99		2,953		150	4	97	3,937	
F 09/23/2016	116	193	2	99		1,930		148	4	97	3,860	
S 09/24/2016	120	138	4	97		4,002		105	4	96	4,002	
Su 09/25/2016	122	196	2	99		2,037		163	5	97	5,093	
M 09/26/2016	128	225	4	98		4,263		164	3	98	3,198	13
T 09/27/2016	122	324	4	99		4,054		212	4	98	4,054	
M 09/28/2016	139	262	3	99		3,475		187	5	97	5,792	11
Th 09/29/2016	240	161	10	94		19,981		117	7	94	13,987	
F 09/30/2016	184	190	5	97		7,652		141	6	96	9,183	
S 10/01/2016	129	169	3	98		3,237		156	5	97	5,396	

TOTAL AVERAGE	3,951	6,772	4	98	5,023	4,694	3	98	3,894	13
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Wk1	125	235	3	99	3,281	154	2	99	2,077
Wk2	116	226	4	98	3,486	165	3	98	2,653
Wk3	136	218	5	97	7,593	148	4	97	4,814
Wk4	152	218	4	98	6,386	163	5	97	6,672

MAX 240

CBOD 20 LBS-- 15,009

NPDES/D LIMITS	MO	<b>&lt;30</b>	<b>&gt;85</b>	<b>&lt;52,540</b>	<b>&lt;25</b>	<b>&gt;86</b>	<b>&lt;36,430</b>
	WK	<b>&lt;45</b>		<b>&lt;78,810</b>	<b>&lt;40</b>		<b>&lt;54,645</b>

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - SEPTEMBER 2016**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
Th 09/01/2016	138	6.8	6.8	5.0	0.26	41		
F 09/02/2016	123	6.9	6.8	5.7	0.34	7		
S 09/03/2016	123	6.9	6.9	5.7	0.25	5		
Su 09/04/2016	124	7.0	6.9	5.9	0.26	8		
M 09/05/2016	132	6.9	6.9	5.9	0.20	8		
T 09/06/2016	139	6.8	6.9	5.6	0.30	6		
W 09/07/2016	126	7.1	7.0	5.4	0.21	12		
Th 09/08/2016	112	7.0	7.0	5.3	0.23	7		
F 09/09/2016	119	6.9	6.8	5.1	0.14	33		
S 09/10/2016	119	6.9	6.9	5.2	0.18	1		
Su 09/11/2016	112	6.9	6.9	4.8	0.17	12		
M 09/12/2016	107	6.9	6.9	5.0	0.25	7		
T 09/13/2016	115	6.9	7.0	5.3	0.13	66		
W 09/14/2016	119	6.9	6.8	5.5	0.22	7		
Th 09/15/2016	118	6.9	6.8	5.6	0.16	73		
F 09/16/2016	118	6.9	6.9	5.6	0.14	55		
S 09/17/2016	125	6.9	6.9	6.0	0.13	24		
Su 09/18/2016	132	6.9	6.9	5.7	0.15	32		
M 09/19/2016	217	7.0	6.9	2.5	0.41	1,263		
T 09/20/2016	128	6.8	6.8	5.6	0.14	299		
W 09/21/2016	117	6.9	6.8	5.6	0.16	51		
Th 09/22/2016	118	6.8	6.9	5.5	0.20	37		
F 09/23/2016	116	6.9	6.8	5.4	0.28	7		
S 09/24/2016	120	6.9	6.9	5.3	0.24	3		
Su 09/25/2016	122	6.9	6.9	4.8	0.18	13		
M 09/26/2016	128	6.9	6.9	5.1	0.28	23		
T 09/27/2016	122	7.0	7.0	5.4	0.23	231		
M 09/28/2016	139	7.0	7.0	5.8	0.24	42		
Th 09/29/2016	240	7.0	7.0	5.3	0.26	119		
F 09/30/2016	184	6.6	6.6	4.6	0.27	24		
TOTAL	3,951	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	132	6.6	7.1	2.5	5.3	0.22	0.41	MEAN
								22

Wk1 125  
Wk2 116  
Wk3 136  
Wk4 152

**MAX** 240

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - SEPTEMBER 2016  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
09/01/2016	0.29	0.23	0.26	5.0	4.9	5.0	24	70	41
09/02/2016	0.38	0.29	0.34	5.7	5.6	5.7	5	9	7
09/03/2016	0.24	0.25	0.25	5.7	5.7	5.7	5	5	5
09/04/2016	0.24	0.28	0.26	5.8	5.9	5.9	17	4	8
09/05/2016	0.20	0.20	0.20	5.9	5.8	5.9	18	3	8
09/06/2016	0.26	0.34	0.30	5.6	5.5	5.6	35	1	6
09/07/2016	0.15	0.27	0.21	5.3	5.4	5.4	68	2	12
09/08/2016	0.23	0.23	0.23	5.2	5.3	5.3	12	4	7
09/09/2016	0.17	0.10	0.14	5.0	5.2	5.1	6	172	33
09/10/2016	0.13	0.23	0.18	5.1	5.2	5.2	1	2	1
09/11/2016	0.15	0.18	0.17	4.9	4.6	4.8	28	5	12
09/12/2016	0.25	0.24	0.25	5.0	4.9	5.0	12	4	7
09/13/2016	0.17	0.09	0.13	5.2	5.3	5.3	47	93	66
09/14/2016	0.21	0.23	0.22	5.4	5.6	5.5	23	2	7
09/15/2016	0.18	0.13	0.16	5.6	5.6	5.6	74	71	73
09/16/2016	0.16	0.11	0.14	5.6	5.6	5.6	78	39	55
09/17/2016	0.13	0.12	0.13	5.9	6.0	6.0	14	43	24
09/18/2016	0.17	0.12	0.15	5.7	5.7	5.7	34	30	32
09/19/2016	0.49	0.33	0.41	2.6	2.4	2.5	921	1,733	1,263
09/20/2016	0.18	0.10	0.14	5.6	5.5	5.6	194	461	299
09/21/2016	0.17	0.14	0.16	5.6	5.5	5.6	86	31	51
09/22/2016	0.19	0.20	0.20	5.5	5.6	5.5	86	16	37
09/23/2016	0.27	0.28	0.28	5.4	5.4	5.4	16	3	7
09/24/2016	0.24	0.23	0.24	5.3	5.2	5.3	12	1	3
09/25/2016	0.20	0.15	0.18	4.7	4.9	4.8	16	11	13
09/26/2016	0.28	0.28	0.28	5.1	5.1	5.1	42	12	23
09/27/2016	0.25	0.21	0.23	5.3	5.5	5.4	387	138	231
09/28/2016	0.26	0.21	0.24	5.8	5.8	5.8	73	25	42
09/29/2016	0.28	0.23	0.26	5.3	5.3	5.3	128	111	119
09/30/2016	0.28	0.26	0.27	4.6	4.6	4.6	24	24	24
Avg	0.23	0.21	0.22	5.3	5.3	5.3	31	16	22

**PERMIT**  
**NEWPCP - SEPTEMBER 2016**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
09/01/2016			
09/02/2016			
09/03/2016			
09/04/2016			
09/05/2016	131	4	97%
09/06/2016			
09/07/2016	205	6	97%
09/08/2016			
09/09/2016			
09/10/2016			
09/11/2016			
09/12/2016	135	5	96%
09/13/2016			
09/14/2016	180	6	97%
09/15/2016			
09/16/2016			
09/17/2016			
09/18/2016			
09/19/2016	140	19	86%
09/20/2016			
09/21/2016	236	7	97%
09/22/2016			
09/23/2016			
09/24/2016			
09/25/2016			
09/26/2016	203	6	97%
09/27/2016			
09/28/2016	193	7	96%
09/29/2016			
09/30/2016			
AVG	178	8	95%

DESIGN - 210 MGD

NEWPCP - SEPTEMBER 2016						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
09/01/2016	38	69	31	138	217	0.47
09/02/2016	30	62	30	123	152	
09/03/2016	31	63	30	123	156	
09/04/2016	32	63	30	124	157	
09/05/2016	34	68	30	132	166	
09/06/2016	31	79	29	139	174	
09/07/2016	35	58	32	126	180	
09/08/2016	35	48	29	112	241	
09/09/2016	36	52	31	119	156	T
09/10/2016	34	55	30	119	160	
09/11/2016	32	52	28	112	154	
09/12/2016	27	53	26	107	185	
09/13/2016	30	57	28	115	148	
09/14/2016	34	56	28	119	151	
09/15/2016	38	53	28	118	149	
09/16/2016	37	54	27	118	141	
09/17/2016	37	62	26	125	185	
09/18/2016	38	67	28	132	169	
09/19/2016	66	108	43	217	452	1.29
09/20/2016	34	66	28	128	175	
09/21/2016	36	54	28	117	166	
09/22/2016	36	52	30	118	186	
09/23/2016	35	53	28	116	166	
09/24/2016	36	60	24	120	157	
09/25/2016	37	58	27	122	163	
09/26/2016	40	57	30	128	215	T
09/27/2016	36	57	28	122	179	0.12
09/28/2016	45	61	33	139	279	0.09
09/29/2016	80	102	58	240	394	0.78
09/30/2016	58	83	43	184	374	0.77
10/01/2016	39	59	31	129	169	
TOTAL	1,149	1,882	920	3,951		3.52
AVG	38	63	31	132		
		MIN		107	141	
		MAX		240	452	

\* ADJUSTED FOR RECYCLE.



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION					
<b>Facility:</b>	PHILA WATER DEPT - NORTHEAST WPC PLANT	<b>Permit Number:</b>	PA0026689	<b>Region:</b>	EP SE Rgnl Off Norristown
<b>Permitte:</b>	PHILA WATER DEPT	<b>County:</b>	Philadelphia	<b>Monitoring Period:</b>	10/01/2016 - 10/31/2016
<b>Address:</b>	3899 RICHMOND ST, PHILADELPHIA, PA - 19137				

PARAMETER DETAILS										
Sampling Point		001		Stage Code		Final Effluent	No Discharge Indicator			
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Frequency Of Analysis	Sample Type
Dissolved Oxygen	Sample Measurement	***	***				***	mg/L		
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH	Sample Measurement	***	***			***		S.U.		
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids	Sample Measurement			lbs/day	***			mg/L		
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
Ammonia-Nitrogen	Sample Measurement	***	***		***			mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N	Sample Measurement	***	***		***			mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N	Sample Measurement	***	***		***			mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen	Sample Measurement	***	***		***			mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus	Sample Measurement	***	***		***			mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite

1,2-Dichloroethane	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/month
Chloroform	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/month
Phenolics, Total	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/month
Chlorodibromomethane	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/month
Copper, Total	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/month
Iron, Total	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/month
Iron, Dissolved	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/month
Lead, Total	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/month
Zinc, Total	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/month
Flow	Sample Measurement			MGD	***	***	***			
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC)	Sample Measurement	***	***		***			mg/L		
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX			1/day
Tetrachloroethylene	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/month
Trichloroethylene	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/month
Fecal Coliform	Sample Measurement	***	***		***		***	CFU/100 ml		

	Permit Measurement	***	***		***	200 Geo Mean	***		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement			lbs/day	***			mg/L		
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg			1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement		***	lbs/day	***	***	***			
	Permit Measurement	71760 Avg Mo	***		***	***	***			2/week
<b>Facility Comments</b>										
<b>Sampling Point</b>		001		<b>Stage Code</b>		Percent Removal		<b>No Discharge Indicator</b>		
<b>Parameter</b>	<b>Limit Type</b>	<b>Load 1</b>	<b>Load 2</b>	<b>Units</b>	<b>Conc 1</b>	<b>Conc 2</b>	<b>Conc 3</b>	<b>Units</b>	<b>Frequency Of Analysis</b>	<b>Sample Type</b>
CBOD5 Minimum % Removal	Sample Measurement	***	***			***	***	%		
	Permit Measurement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***			***	***	%		
	Permit Measurement	***	***		85	***	***		1/day	24-Hr Composite
<b>Facility Comments</b>										

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
 Northeast Water Pollution Control Plant  
**NPDES SUMMARY FOR THE MONTH OF SEPTEMBER 2016**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
09/07/2016	1.530	2.150	6.02	7.70	0.138
09/14/2016	1.710	3.140	4.62	6.07	0.132
09/21/2016	1.340	2.880	3.52	4.39	0.145
09/28/2016	1.130	2.660	5.12	6.65	0.214
<b>AVG</b>	1.428	2.708	4.82	6.20	0.157
<b>MAX</b>	1.710	3.140	6.02	7.70	0.214

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
09/08/2016	< 0.030

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	09/07/2016
Copper	0.0050
Iron	0.2050
Iron Dissolved	0.0570
Lead	< 0.0030
Zinc	< 0.0250

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	09/27/2016
1,2-Dichloroethane	< 0.0010
Chloroform	0.0020
Chlorodibromomethane	< 0.0010
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
SEPTEMBER 2016	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
09/01/2016	0.910	1.433	139	0.627	0.440	45.7
09/02/2016	0.904	1.054	116	0.866	1.087	124.3
09/03/2016	0.921	0.972	119	1.394	1.061	114.1
09/04/2016	0.000	0.000	0	1.520	1.515	157.4
09/05/2016	0.910	0.406	44	1.322	1.454	122.1
09/06/2016	0.918	1.376	149	0.394	0.553	56.8
09/07/2016	0.915	0.566	61	0.609	0.577	58.2
09/08/2016	0.000	0.357	35	1.857	1.875	185.3
09/09/2016	0.910	0.942	96	0.901	0.842	83.3
09/10/2016	0.885	0.669	66	0.743	0.774	79.1
09/11/2016	0.000	0.270	29	1.445	1.901	358.8
09/12/2016	0.917	0.483	48	0.812	0.599	60.7
09/13/2016	0.862	0.784	75	0.853	0.452	44.3
09/14/2016	1.729	1.853	168	0.002	0.544	58.1
09/15/2016	0.000	0.145	15	1.376	1.231	135.7
09/16/2016	0.890	0.749	75	0.823	0.539	57.2
09/17/2016	0.000	0.280	29	0.912	1.267	140.2
09/18/2016	0.915	0.169	15	1.014	0.882	101.4
09/19/2016	0.898	1.561	153	0.819	0.482	60.7
09/20/2016	0.000	0.000	0	1.634	1.929	201.8
09/21/2016	0.911	0.920	149	0.810	0.642	73.8
09/22/2016	0.901	0.417	39	0.979	1.185	122.1
09/23/2016	0.000	0.516	65	1.302	1.238	130.4
09/24/2016	0.897	0.518	56	1.273	1.215	121.5
09/25/2016	0.922	1.168	142	0.531	0.309	36.4
09/26/2016	0.924	1.052	120	0.599	0.929	112.5
09/27/2016	0.000	0.000	0	1.386	1.231	132.5
09/28/2016	0.910	0.321	31	1.390	1.332	138.7
09/29/2016	0.841	1.403	147	0.714	0.634	71.5
09/30/2016	0.909	0.623	67	1.171	1.456	177.3
<b>TOTAL</b>	20.697	21.009	2,249	30.076	30.174	3,362
<b>AVERAGE</b>	0.690	0.700	75	1.003	1.006	112

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

WW NPDES Weekly - NE

Report Date: 10/24/2016

WW160928-025

Composite 24h 09/28/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Ammonia	SM 4500-NH3 D			10/12/2016	17:59	5.12	mg/L as N	0.050	mg/L as N

Data Qualifiers:

Ammonia	The refrigerator holding this sample was 6.5°C on 10/9/2016. The maximum allowable refrigerator temperature is 6°C. The sample was relocated to a refrigerator with acceptable temperature on 10/10/2016.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 10/24/2016



Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NPDES Cyanide Monthly Grab

Report Date: 10/24/2016

WW160907-032

Grab 09/07/2016 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	9/17/2016	21:25	9/19/2016	14:50	<0.010 <sup>E</sup>	mg/L	0.010	mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 3%. Acceptance limits are 90 to 110%.
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WW160907-033

Grab 09/07/2016 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	9/17/2016	21:25	9/19/2016	14:51	<0.010 <sup>E</sup>	mg/L	0.010	mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 3%. Acceptance limits are 90 to 110%.
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WW160907-034

Grab 09/07/2016 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	9/17/2016	21:25	9/19/2016	14:44	<0.010 <sup>E</sup>	mg/L	0.010	mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 3%. Acceptance limits are 90 to 110%.
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WW160907-035

Grab 09/07/2016 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	9/17/2016	21:25	9/19/2016	14:46	<0.010 <sup>F</sup>	mg/L	0.010	mg/L

## Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 3%. Acceptance limits are 90 to 110%.
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WW160907-036

Grab 09/07/2016 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	9/17/2016	21:25	9/19/2016	14:45	<0.010 <sup>F</sup>	mg/L	0.010	mg/L

## Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 3%. Acceptance limits are 90 to 110%.
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WW160907-037

Grab 09/07/2016 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	9/17/2016	21:25	9/19/2016	14:52	<0.010 <sup>F</sup>	mg/L	0.010	mg/L

## Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 3%. Acceptance limits are 90 to 110%.
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WW160907-038

Grab 09/07/2016 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	9/17/2016	21:25	9/19/2016	14:53	<0.010 <sup>F</sup>	mg/L	0.010	mg/L

## Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 3%. Acceptance limits are 90 to 110%.
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WW160907-039

Grab 09/07/2016 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	9/17/2016	21:25	9/19/2016	14:37	<0.010 <sup>E</sup>	mg/L	0.010	mg/L

## Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 89%. Acceptance limits are 90 to 110%.
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WW160907-040

Grab 09/07/2016 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	9/17/2016	21:25	9/19/2016	14:43	<0.010 <sup>E</sup>	mg/L	0.010	mg/L

## Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 3%. Acceptance limits are 90 to 110%.
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WW160907-041

Grab 09/07/2016 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	9/17/2016	21:25	9/19/2016	14:40	<0.010 <sup>E</sup>	mg/L	0.010	mg/L

## Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 3%. Acceptance limits are 90 to 110%.
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WW160907-042

Grab 09/07/2016 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	9/17/2016	21:25	9/19/2016	14:41	<0.010 <sup>E</sup>	mg/L	0.010	mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 3%. Acceptance limits are 90 to 110%.
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Legend

A - Results reported on a basis other than as received, e.g. dry weight.

B - Tests performed are not covered by BLS's scope of accreditation.

C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 10/24/2016

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Fecal Coliform Daily

Report Date: 10/24/2016

WW160907-021

Grab 09/07/2016 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			9/8/2016	7:42	2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria Value exceeded. PCV 0.4771. The measured results were 2.0 MPN/100mL and 5.2 MPN/100mL.
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WW160908-020

Grab 09/08/2016 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			9/9/2016	8:21	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria Value exceeded. PCV 0.4771. The measured results were 4.1 MPN/100mL and 10.9 MPN/100mL.
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WW160910-023

Grab 09/10/2016 09:22

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			9/11/2016	7:57	1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

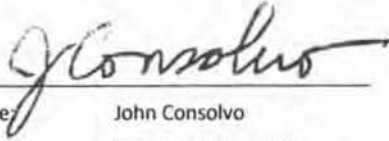
Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria Value exceeded. PCV 0.4771. The measured results were 1.0 MPN/100mL and 3.1 MPN/100mL.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 10/24/2016

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite 2

Report Date: 10/24/2016

WW160926-005

Composite 24h 09/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/27/2016	10:40	10/2/2016	6:15	3	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160928-005

Composite 24h 09/28/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/29/2016	0:55	10/4/2016	7:45	5	mg/L	2	mg/L

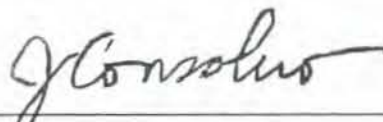
Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
 Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 10/24/2016

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite

Report Date: 10/24/2016

WW160903-001

Composite 09/03/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/4/2016	7:50	9/4/2016	9:55	216	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.
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WW160903-002

Composite 09/03/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/4/2016	7:50	9/4/2016	9:55	244	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.
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WW160903-003

Composite 09/03/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/4/2016	7:50	9/4/2016	9:55	208	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.
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WW160903-004

Composite 09/03/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/4/2016	7:40	9/4/2016	9:50	2	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.
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WW160904-001

Composite 09/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/5/2016	7:55	9/5/2016	9:55	172	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 127.5%. Acceptance limits are 85 to 115%.
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WW160904-002

Composite 09/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/5/2016	7:55	9/5/2016	9:55	272	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 127.5%. Acceptance limits are 85 to 115%.
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WW160904-003

Composite 09/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/5/2016	7:55	9/5/2016	9:55	184	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 127.5%. Acceptance limits are 85 to 115%.
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WW160904-004

Composite 09/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/5/2016	7:55	9/5/2016	9:55	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 127.5%. Acceptance limits are 85 to 115%.
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WW160912-002

Composite 09/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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CBOD5	SM 5210 B	9/13/2016	11:40	9/18/2016	6:45	128	mg/L	2	mg/L
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Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.
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WW160912-003

Composite 09/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/13/2016	11:40	9/18/2016	6:45	163	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.
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WW160912-004

Composite 09/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/13/2016	11:40	9/18/2016	6:45	146	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.
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WW160913-001

Composite 09/13/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/14/2016	11:40	9/19/2016	8:00	138	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160913-002

Composite 09/13/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/14/2016	11:40	9/19/2016	8:00	165	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160913-003

Composite 09/13/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/14/2016	11:40	9/19/2016	8:00	167	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160913-004

Composite 09/13/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/14/2016	11:40	9/19/2016	8:00	2	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160914-002

Composite 09/14/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/15/2016	10:50	9/20/2016	7:55	182	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%.
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WW160914-003

Composite 09/14/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/15/2016	10:30	9/20/2016	7:55	194	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%.
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WW160914-004

Composite 09/14/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/15/2016	10:30	9/20/2016	7:55	185	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%.
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WW160918-001

Composite 09/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/19/2016	8:45	9/19/2016	11:00	180	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.
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WW160918-002

Composite 09/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/19/2016	8:45	9/19/2016	11:00	285	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.
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WW160918-003

Composite 09/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/19/2016	8:45	9/19/2016	11:00	180	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.
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WW160918-004

Composite 09/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/19/2016	8:30	9/19/2016	10:40	5	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.
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WW160919-002

Composite 09/19/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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CBOD5	SM 5210 B	9/20/2016	11:15	9/25/2016	8:00	125	mg/L	2	mg/L
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Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW160919-003

Composite 09/19/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/20/2016	11:15	9/25/2016	8:00	133	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW160919-004

Composite 09/19/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/20/2016	11:15	9/25/2016	8:00	131	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW160921-002

Composite 09/21/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/22/2016	8:22	9/22/2016	10:28	340	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 70%. Acceptance limits are 85 to 115%.
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WW160921-003

Composite 09/21/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/22/2016	8:22	9/22/2016	10:28	460	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 70%. Acceptance limits are 85 to 115%.
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WW160921-004

Composite 09/21/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/22/2016	8:22	9/22/2016	10:28	410	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 70%. Acceptance limits are 85 to 115%.
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WW160924-001

Composite 09/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/25/2016	8:02	9/25/2016	10:07	240	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 75%. Acceptance limits are 85 to 115%.
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WW160924-002

Composite 09/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/25/2016	8:02	9/25/2016	10:07	247	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 75%. Acceptance limits are 85 to 115%.
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WW160924-003

Composite 09/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/25/2016	8:02	9/25/2016	10:07	227	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 75%. Acceptance limits are 85 to 115%.
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WW160924-004

Composite 09/24/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/25/2016	7:47	9/25/2016	9:52	4	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 75%. Acceptance limits are 85 to 115%.
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WW160925-001

Composite 09/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/26/2016	10:15	10/1/2016	6:50	164	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 123%. Acceptance limits are 85 to 115%.
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WW160925-002

Composite 09/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/26/2016	10:15	9/30/2016	6:50	172	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 123%. Acceptance limits are 85 to 115%.
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WW160925-003

Composite 09/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/26/2016	10:15	10/1/2016	6:50	194	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 123%. Acceptance limits are 85 to 115%.
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WW160925-004

Composite 09/25/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/26/2016	10:15	10/1/2016	6:50	5	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 123%. Acceptance limits are 85 to 115%.
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WW160926-002

Composite 09/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/27/2016	10:40	10/3/2016	6:15	179	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160926-003

Composite 09/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/27/2016	10:40	10/2/2016	6:15	184	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160926-004

Composite 09/26/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/27/2016	10:40	10/2/2016	6:15	156	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160928-002

Composite 09/28/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/29/2016	12:55	10/4/2016	7:45	182	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160928-003

Composite 09/28/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/29/2016	12:55	10/4/2016	7:45	203	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160928-004

Composite 09/28/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/29/2016	0:55	10/4/2016	7:45	188	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW160929-001

Composite 09/29/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/30/2016	9:35	10/5/2016	7:35	120	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 122%. Acceptance limits are 85 to 115%.
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WW160929-002

Composite 09/29/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/30/2016	9:35	10/5/2016	7:35	121	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 122%. Acceptance limits are 85 to 115%.
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WW160929-003

Composite 09/29/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/30/2016	9:35	10/5/2016	7:35	128	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 122%. Acceptance limits are 85 to 115%.
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WW160929-004

Composite 09/29/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/30/2016	9:35	10/5/2016	7:35	7	mg/L	2	mg/L



## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 122%. Acceptance limits are 85 to 115%.
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WW160930-001

Composite 09/30/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/1/2016	10:15	10/6/2016	7:30	144	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW160930-002

Composite 09/30/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/1/2016	10:15	10/6/2016	7:30	155	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW160930-003

Composite 09/30/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/4/2016	10:15	10/6/2016	7:30	143	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW160930-004

Composite 09/30/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/1/2016	10:15	10/6/2016	7:30	6	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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## Legend

A - Results reported on a basis other than as received, e.g. dry weight.

B - Tests performed are not covered by BLS's scope of accreditation.

C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo

Title: Laboratory Manager

Date: 10/24/2016



**Debra A. McCarty, Water Commissioner**

October 28, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for September 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Submitted By :** Mary Ellen Senss

**Submission Id :** 32032

**Submission Status :** Received

**Facility Name :** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number :** PA0026689

**Report Type :** Monthly

**Monitoring Report Period :** 09/01/2016-09/30/2016

**Monitoring Report Due Date :** 10/28/2016

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES  
 Northeast Water Pollution Control Plant  
 NPDES SUMMARY FOR THE MONTH OF JULY 2016  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
07/06/2016	0.792	3.470	2.50	3.40	0.341
07/11/2016	1.350	3.770	3.60	4.93	0.248
07/13/2016	1.240	3.340	2.60	3.81	0.291
07/15/2016	1.040	2.970	2.60	3.70	0.201
07/20/2016	0.979	1.620	6.30	7.40	0.224
07/22/2016			5.96		
07/27/2016	1.010	2.470	3.27	4.37	0.172
AVG	1.069	2.940	3.83	4.60	0.246
MAX	1.350	3.770	6.30	7.40	0.341

**Cyanide and Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
07/11/2016	< 0.030
07/13/2016	< 0.030
07/15/2016	< 0.030
AVG	< 0.030

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	07/11/2016	07/13/2016	07/15/2016	AVG
Copper	0.0050	0.0050	0.0040	0.0047
Iron	0.2180	0.2670	0.2680	0.2510
Iron Dissolved	0.0570	0.0880	0.0530	0.0660
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	< 0.0250	< 0.0250	< 0.0250	< 0.0250

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	07/10/2016	07/11/2016	07/12/2016	07/13/2016	07/14/2016	07/15/2016	07/16/2016	AVG
1,2-Dichloroethane	<	0.0025	<	0.0025	<	0.0025	<	0.0025
3,3-Dichlorobenzidine	<	0.0050	<	0.0050	<	0.0050	<	0.0050
alpha-BHC	<	0.000083	<	0.000083	<	0.000083	<	0.000083
Benzidine	<	0.0590	<	0.0590	<	0.0570	<	0.0583
Beta-BHC	<	0.000083	<	0.000083	<	0.000083	<	0.000083
Chlordane	<	0.0004100	<	0.0004100	<	0.0004000	<	0.0004067
Chloroform	0.00346	<	0.0025	0.0028	0.0032	0.0030	<	0.0029
Chlorodibromomethane	<	0.0025	<	0.0025	<	0.0025	<	0.0025
Dieldrin	<	0.0000170	<	0.0000170	<	0.0000160	<	0.0000167
Endrin	<	0.0000170	<	0.0000170	<	0.0050000	<	0.0000160
Heptachlor	<	0.0000200	<	0.0000500	<	0.0000200	<	0.0000300
p,p'-DDD	<	0.0000170	<	0.0000170	<	0.0000160	<	0.0000167
p,p'-DDE	<	0.0000170	<	0.0000170	<	0.0000160	<	0.0000167
p,p'-DDT	<	0.0000170	<	0.0000170	<	0.0000160	<	0.0000167
Lindane(Gamma-BHC)	<	0.000083	<	0.000083	<	0.000080	<	0.000082
Tetrachloroethylene	<	0.0025	<	0.0025	<	0.0025	<	0.0025
Trichloroethylene	<	0.0025	<	0.0025	<	0.0025	<	0.0025

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF JULY 2016**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**07/15/2016**

<b>Toxicity, Ceriodaphnia acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Ceriodaphnia chronic</b>		<b>1</b>
<b>Toxicity, Pimphales acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Pimphales chronic</b>		<b>1</b>

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION					
Facility:	PHILA WATER DEPT - NORTHEAST WPC PLANT	Permit Number:	PA0026689	Region:	EP SE Rgnl Off Norristown
Permitte:	PHILA WATER DEPT	County:	Philadelphia	Monitoring Period:	10/01/2016 - 12/31/2016
Address:	3899 RICHMOND ST, PHILADELPHIA, PA - 19137				

PARAMETER DETAILS										
Sampling Point		001		Stage Code		Final Effluent	No Discharge Indicator			
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Frequency Of Analysis	Sample Type
Toxicity, Acute - Ceriodaphnia Survival	Sample Measurement	***	***		***	***		TUa		
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Toxicity, Chronic - Ceriodaphnia Survival	Sample Measurement	***	***		***	***		TUc		
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Toxicity, Acute - Pimephales Survival	Sample Measurement	***	***		***	***		TUa		
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Chlordane	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
3,3-Dichlorobenzidine	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Benzidine	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	Grab
4,4-DDT	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
4,4-DDD	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite

4,4-DDE	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/quarter
alpha-BHC	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/quarter
beta-BHC	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/quarter
gamma-BHC (Lindane)	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/quarter
Dieldrin	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/quarter
Endrin	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/quarter
Heptachlor	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***			1/quarter
Toxicity, Chronic - Pimephales Survival	Sample Measurement	***	***		***	***		TUc		
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max			1/quarter
<b>Facility Comments</b>										

NE WET Testing Composite

Report Date: 08/22/2016

WW160711-025

Composite 24h 07/11/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1262 <sup>B,D</sup>	NA			1/1/2000	0:00	NM <sup>E</sup>	µg/L	0.41	µg/L
Aroclor 1268 <sup>B,D</sup>	NA			1/1/2000	0:00	NM <sup>E</sup>	µg/L	0.41	µg/L
CBOD5	SM 5210 B	7/11/2016	14:10	7/16/2016	10:00	<2.00	mg/L	2	mg/L
Phenols <sup>B,D</sup>	EPA 420.4			7/14/2016	3:24	<0.030 <sup>E</sup>	mg/L	0.030	mg/L

Data Qualifiers:

Aroclor 1262	This analyte was not requested for analysis.
Aroclor 1268	This analyte was not requested for analysis.
CBOD5	LFB Recovery is 150 mg/L. Acceptance limits are 168 to 229 mg/L.
Phenols	Laboratory Fortified Matrix (LFM) recovery is 111%. Acceptance limits are 90 to 110%.

WW160713-025

Composite 24h 07/13/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4-Chlorophenyl phenyl ether <sup>B,D</sup>	EPA 625	7/19/2016	18:00	7/21/2016	1:56	<5 <sup>E</sup>	µg/L	5	µg/L
Acenaphthene <sup>B,D</sup>	EPA 625	7/19/2016	18:00	7/21/2016	1:56	<5 <sup>E</sup>	µg/L	5	µg/L
Aroclor 1262 <sup>B,D</sup>	NA			1/1/2000	0:00	NM <sup>E</sup>	µg/L	0.41	µg/L
Aroclor 1268 <sup>B,D</sup>	NA			1/1/2000	0:00	NM <sup>E</sup>	µg/L	0.41	µg/L
Fluorene <sup>B,D</sup>	EPA 625	7/19/2016	18:00	7/21/2016	1:56	<5 <sup>E</sup>	µg/L	5	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	7/19/2016	18:00	7/21/2016	1:56	<15 <sup>E</sup>	µg/L	15	µg/L



Data Qualifiers:

4-Chlorophenyl phenyl ether	The recovery of the LCS is 70%, which is outside the acceptance limits of 76-115%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
Acenaphthene	The recovery of the LCS is 67%, which is outside the acceptance limits of 71-118%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
Aroclor 1262	This analyte was not requested for analysis.
Aroclor 1268	This analyte was not requested for analysis.
Fluorene	The recovery of the LCS is 79%, which is outside the acceptance limits of 80-116%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
Hexachlorocyclopentadiene	The recovery of the LCS is 7% and the LCSD is 9%, which are outside the acceptance limits of 24-128%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.

WW160715-024

Composite 24h 07/15/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4,6-Dinitro-o-cresol <sup>B,D</sup>	EPA 625	7/21/2016	9:00	7/23/2016	2:56	<14 <sup>E</sup>	µg/L	14	µg/L
Aroclor 1262 <sup>B,D</sup>	NA			1/1/2000	0:00	NM <sup>E</sup>	µg/L	0.4	µg/L
Aroclor 1268 <sup>B,D</sup>	NA			1/1/2000	0:00	NM <sup>E</sup>	µg/L	0.4	µg/L
CBOD5	SM 5210 B	7/15/2016	13:35	7/20/2016	10:35	<2.00	mg/L	2	mg/L
Hexachlorobutadiene <sup>B,D</sup>	EPA 625	7/21/2016	9:00	7/23/2016	2:56	<5 <sup>E</sup>	µg/L	5	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	7/21/2016	9:00	7/23/2016	2:56	<14 <sup>E</sup>	µg/L	14	µg/L
Hexachloroethane <sup>B,D</sup>	EPA 625	7/21/2016	9:00	7/23/2016	2:56	<5 <sup>E</sup>	µg/L	5	µg/L

Data Qualifiers:

4,6-Dinitro-o-cresol	The recovery of the LCS is 71%, which is outside the acceptance limits of 74-120%, but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD standards.
Aroclor 1262	This analyte was not requested for analysis.
Aroclor 1268	This analyte was not requested for analysis.
CBOD5	LFB Recovery is 145.5 mg/L. Acceptance limits are 168 to 229 mg/L.
Hexachlorobutadiene	The Relative Percent Difference (RPD) between the sample and sample duplicate is 39%. The maximum acceptable RPD is 30%. The measured results were 31 and 46 ug/L.
Hexachlorocyclopentadiene	The recovery of the LCS is 13% and the LCSD is 20%, which is outside the acceptance limits of 24-128%, but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD standards. The Relative Percent Difference (RPD) between the sample and sample duplicate is 37%. The maximum acceptable RPD is 30%.

Hexachloroethane


The Relative Percent Difference (RPD) between the sample and sample duplicate is 36%. The maximum acceptable RPD is 30%.  
The measured results were 33 and 48 ug/L.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
Name: Gary Burlingame  
Title: Laboratory Director  
Date: 8/22/2016



Debra A. McCarty, Water Commissioner

November 28, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for October 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name: PHILA WATER DEPT - NORTHEAST WPC PLANT**  
**Permit Number: PA0026689**  
**Report Frequency: Monthly**  
**Report Type: DMR**  
**Reporting Period: 10/01/2016-10/31/2016**  
**Report Due Date: 11/28/2016**

**Submitted By: Mary Ellen Senss**  
**Submission Id: 34833**  
**Submission Status: Received**  
**Submission Type: Original**

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for Octoberr 2016

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

<b>PA0026689</b>
PERMIT NUMBER

<b>001</b>
OUTFALL NUMBER

Reorting Frequency: Monthly  
 DMR Effective From: 10/01/2016  
 DMR Effective To: 10/31/2016  
 Permit Expires: 08/31/2012  
 Permit Application Due: 11/28/2016  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2016	10	01	FROM	2016	10	31
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	3.2	5.7	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.7	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	4039	4933	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	6.74	7.24	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	1.048	1.150	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	2.888	3.250	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	7.24	8.31	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.343	.596	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	.0010	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0012	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	.030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	.0010	***	mg/L	Grab	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0053	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.2953	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0770	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF CLEAN WATER  
 DISCHARGE MONITORING REPORT (DMR)



Zinc, Total	Sample Measurement	***	***	***	***	.0250	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	138	213	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.21	.31	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	.0010	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	.0010	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	55	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4929	4978	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	14645	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
Facility Comments										

**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
201610SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-11-23T11:38:26-05:00	
NE Daily Composite and Daily Composite 2 (11-23-2016).pdf	Laboratory Accreditation Form	2016-11-25T08:59:28-05:00	
NE WET Testing Composite (11-23-2016).pdf	Laboratory Accreditation Form	2016-11-25T08:59:55-05:00	
E-NPDES NE201610.xls	Daily Effluent Monitoring Form	2016-11-23T11:36:55-05:00	
BLSNE201610.xls	Nutrient Monitoring Form	2016-11-23T11:37:24-05:00	
NECSO 201610.xls	CSO Detailed Outfall Report Form	2016-11-23T11:37:55-05:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2016	11	25
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

# PERMIT

## NEWPCP - OCTOBER 2016

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 LBS*** (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	

S	10/01/2016	129	103	3	97	3,237	140	5	96	5,395	
Su	10/02/2016	127	155	4	97	4,223	138	3	98	3,167	
M	10/03/2016	121	209	3	99	3,033	123	3	98	3,033	12
T	10/04/2016	121	223	4	98	4,036	146	5	97	5,045	
W	10/05/2016	125	216	3	99	3,119	151	4	97	4,159	12
Th	10/06/2016	124	195	4	98	4,139	160	5	97	5,174	
F	10/07/2016	103	205	4	98	3,442	178	6	97	5,163	
S	10/08/2016	139	198	5	97	5,778	139	4	97	4,622	
Su	10/09/2016	213	145	6	96	10,682	106	6	94	10,682	
M	10/10/2016	115	161	3	98	2,878	135	4	97	3,837	13
T	10/11/2016	136	247	3	99	3,404	184	3	98	3,404	
W	10/12/2016	123	202	3	99	3,082	149	4	97	4,110	13
Th	10/13/2016	117	248	3	99	2,932	155	5	97	4,886	
F	10/14/2016	112	163	2	99	1,874	138	4	97	3,748	
S	10/15/2016	116	138	2	99	1,935	132	4	97	3,870	
Su	10/16/2016	134	197	4	98	4,468	143	4	97	4,468	
M	10/17/2016	142	213	4	98	4,739	153	2	99	2,369	12
T	10/18/2016	147	225	4	98	4,893	171	4	98	4,893	
W	10/19/2016	151	187	5	97	6,296	166	4	98	5,037	14
Th	10/20/2016	151	197	3	98	3,782	193	4	98	5,043	
F	10/21/2016	166	276	5	98	6,937	127	5	96	6,937	
S	10/22/2016	137	159	3	98	3,417	182	5	97	5,695	
Su	10/23/2016	151	218	1	100	1,260	166	5	97	6,298	
M	10/24/2016	144	183	2	99	2,407	192	5	97	6,017	14
T	10/25/2016	143	216	3	99	3,581	196	4	98	4,774	
M	10/26/2016	166	171	4	98	5,547	196	4	98	5,547	13
Th	10/27/2016	175	278	5	98	7,294	170	5	97	7,294	
F	10/28/2016	115	217	3	99	2,871	136	3	98	2,871	
S	10/29/2016	123	189	2	99	2,046	144	2	99	2,046	
Su	10/30/2016	166	246	4	98	5,528	163	7	96	9,675	
M	10/31/2016	141	204	2	99	2,352	149	3	98	3,528	

TOTAL	4,273	6,183					4,821				
AVERAGE	138	199	3	98	4,039		156	4	97	4,929	13

Wk1	123	200	4	98	3,967	148	4	97	4,338
Wk2	133	186	3	98	3,827	143	4	97	4,934
Wk3	147	208	4	98	4,933	162	4	97	4,920
Wk4	145	210	3	99	3,572	171	4	98	4,978

MAX 213

CBOD 20 LBS-- 14,645

NPDES/D	MO	<30	>85	<52,540	<25	>86	<36,430
LIMITS	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.



**PERMIT**  
**NEWPCP - OCTOBER 2016**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
S 10/01/2016	129	6.9	6.9	6.0	0.18	24		
Su 10/02/2016	127	7.0	7.0	6.0	0.24	6		
M 10/03/2016	121	7.0	7.0	5.8	0.24	12		
T 10/04/2016	121	7.0	6.9	5.8	0.30	33		
W 10/05/2016	125	7.0	7.0	5.9	0.25	74		
Th 10/06/2016	124	7.0	6.9	5.7	0.17	283		
F 10/07/2016	103	7.0	7.0	5.8	0.19	123		
S 10/08/2016	139	7.0	7.0	5.8	0.19	63		
Su 10/09/2016	213	6.8	6.9	3.2	0.31	1,773		
M 10/10/2016	115	6.9	6.9	5.4	0.15	474		
T 10/11/2016	136	7.0	6.9	5.0	0.20	63		
W 10/12/2016	123	7.0	7.0	5.5	0.15	95		
Th 10/13/2016	117	7.0	6.9	6.1	0.13	185		
F 10/14/2016	112	7.0	6.9	6.1	0.19	23		
S 10/15/2016	116	7.0	7.0	6.0	0.18	7		
Su 10/16/2016	134	7.0	6.9	6.2	0.22	14		
M 10/17/2016	142	7.0	7.0	5.7	0.21	18		
T 10/18/2016	147	7.0	7.1	5.7	0.24	42		
W 10/19/2016	151	7.0	6.9	5.9	0.21	8		
Th 10/20/2016	151	7.0	7.0	5.9	0.13	326		
F 10/21/2016	166	6.9	6.9	5.6	0.22	19		
S 10/22/2016	137	7.1	7.1	4.4	0.27	482		
Su 10/23/2016	151	6.9	6.9	5.8	0.16	34		
M 10/24/2016	144	7.0	6.9	5.3	0.31	151		
T 10/25/2016	143	7.0	7.0	5.6	0.22	44		
M 10/26/2016	166	6.9	6.9	6.0	0.24	111		
Th 10/27/2016	175	7.0	6.9	6.4	0.18	233		
F 10/28/2016	115	6.7	6.7	6.5	0.22	49		
S 10/29/2016	123	6.9	6.9	6.6	0.19	11		
Su 10/30/2016	166	6.9	6.9	6.2	0.17	13		
M 10/31/2016	141	6.9	6.8	6.2	0.19	39		
TOTAL	4,273	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	138	6.7	7.1	3.2	5.7	0.21	0.31	MEAN
								55

Wk1 123  
Wk2 133  
Wk3 147  
Wk4 145

**MAX** 213

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - OCTOBER 2016  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
10/01/2016	0.20	0.16	0.18	5.9	6.0	6.0	24	24	24
10/02/2016	0.18	0.29	0.24	5.9	6.1	6.0	4	10	6
10/03/2016	0.27	0.21	0.24	5.7	5.8	5.8	8	18	12
10/04/2016	0.41	0.19	0.30	5.8	5.7	5.8	21	52	33
10/05/2016	0.26	0.23	0.25	5.8	5.9	5.9	108	51	74
10/06/2016	0.19	0.15	0.17	5.7	5.7	5.7	276	291	283
10/07/2016	0.22	0.16	0.19	5.7	5.8	5.8	162	93	123
10/08/2016	0.21	0.17	0.19	5.8	5.8	5.8	23	172	63
10/09/2016	0.24	0.38	0.31	3.3	3.1	3.2	> 2,420	1,300	1,773
10/10/2016	0.18	0.12	0.15	5.2	5.5	5.4	387	579	474
10/11/2016	0.21	0.18	0.20	4.9	5.1	5.0	91	44	63
10/12/2016	0.18	0.12	0.15	5.3	5.7	5.5	93	96	95
10/13/2016	0.15	0.11	0.13	6.2	6.0	6.1	248	138	185
10/14/2016	0.19	0.19	0.19	6.0	6.2	6.1	48	11	23
10/15/2016	0.18	0.17	0.18	5.9	6.0	6.0	4	11	7
10/16/2016	0.23	0.20	0.22	6.1	6.2	6.2	12	17	14
10/17/2016	0.20	0.21	0.21	5.6	5.8	5.7	24	13	18
10/18/2016	0.28	0.19	0.24	5.7	5.6	5.7	14	125	42
10/19/2016	0.21	0.20	0.21	5.9	5.8	5.9	17	4	8
10/20/2016	0.13	0.12	0.13	5.9	5.9	5.9	61	1,733	326
10/21/2016	0.24	0.19	0.22	5.5	5.6	5.6	16	23	19
10/22/2016	0.35	0.19	0.27	4.3	4.4	4.4	96	> 2,420	482
10/23/2016	0.19	0.13	0.16	5.7	5.9	5.8	26	44	34
10/24/2016	0.37	0.24	0.31	5.1	5.4	5.3	411	55	151
10/25/2016	0.21	0.23	0.22	5.3	5.8	5.6	78	25	44
10/26/2016	0.23	0.24	0.24	5.8	6.1	6.0	179	69	111
10/27/2016	0.20	0.15	0.18	6.3	6.4	6.4	190	285	233
10/28/2016	0.24	0.19	0.22	6.3	6.6	6.5	57	43	49
10/29/2016	0.20	0.18	0.19	6.5	6.6	6.6	10	12	11
10/30/2016	0.17	0.17	0.17	6.2	6.1	6.2	13	13	13
10/31/2016	0.20	0.17	0.19	6.1	6.2	6.2	28	56	39
Avg	0.22	0.19	0.21	5.6	5.8	5.7	50	60	55

**PERMIT  
NEWPCP - OCTOBER 2016**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
10/01/2016			
10/02/2016			
10/03/2016	175	6	97%
10/04/2016			
10/05/2016	169	8	95%
10/06/2016			
10/07/2016			
10/08/2016			
10/09/2016			
10/10/2016	153	6	96%
10/11/2016			
10/12/2016	150	6	96%
10/13/2016			
10/14/2016			
10/15/2016			
10/16/2016			
10/17/2016	176	6	97%
10/18/2016			
10/19/2016	175	7	96%
10/20/2016			
10/21/2016			
10/22/2016			
10/23/2016			
10/24/2016	188	6	97%
10/25/2016			
10/26/2016	148	6	96%
10/27/2016			
10/28/2016			
10/29/2016			
10/30/2016			
10/31/2016			
AVG	167	6	96%

DESIGN - 210 MGD

NEWPCP - OCTOBER 2016						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
10/01/2016	39	59	31	129	169	T
10/02/2016	39	59	29	127	165	0.02
10/03/2016	40	53	29	121	151	T
10/04/2016	40	51	29	121	179	T
10/05/2016	43	53	28	125	168	
10/06/2016	43	53	27	124	158	
10/07/2016	43	34	27	103	147	
10/08/2016	52	50	37	139	332	0.26
10/09/2016	73	95	45	213	421	0.89
10/10/2016	44	45	26	115	152	
10/11/2016	43	69	24	136	184	
10/12/2016	46	49	29	123	156	
10/13/2016	45	45	27	117	159	T
10/14/2016	45	41	27	112	138	
10/15/2016	45	44	27	116	166	
10/16/2016	46	61	27	134	173	
10/17/2016	45	70	28	142	213	
10/18/2016	45	74	28	147	244	
10/19/2016	46	77	28	151	161	
10/20/2016	42	81	28	151	164	
10/21/2016	34	99	33	166	344	T
10/22/2016	47	60	30	137	251	0.19
10/23/2016	65	60	27	151	156	
10/24/2016	58	60	27	144	158	
10/25/2016	58	60	25	143	172	
10/26/2016	52	60	54	166	191	
10/27/2016	54	83	37	175	401	0.48
10/28/2016	33	56	25	115	139	
10/29/2016	36	61	26	123	162	
10/30/2016	49	86	30	166	404	0.22
10/31/2016	35	80	26	141	208	
TOTAL	1,391	1,846	896	4,132		2.06
AVG	46	62	30	138		
		MIN		103	138	
		MAX		213	421	

\* ADJUSTED FOR RECYCLE.



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF OCTOBER 2016**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**10/07/2016**

<b>Toxicity, Ceriodaphnia acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Ceriodaphnia chronic</b>		<b>1</b>
<b>Toxicity, Pimphales acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Pimphales chronic</b>		<b>1</b>

## BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
OCTOBER 2016	Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP	Sludge Processed by Biosolids Recycle Center / Synagro	DT	Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP	Sludge Processed by Biosolids Recycle Center / Synagro	DT
	MGD	MGD		MGD	MGD	
10/01/2016		0.409	42	1.898	1.767	205.4
10/02/2016	0.901	0.192	19	1.455	1.546	141.4
10/03/2016	0.908	1.031	123	0.370	0.598	60.3
10/04/2016	0.901	0.868	93	0.557	0.173	18.0
10/05/2016	0.904	1.121	111	0.592	0.698	72.7
10/06/2016	0.901	0.433	46	1.169	1.461	153.5
10/07/2016		0.634	63	1.307	0.970	103.2
10/08/2016	0.845	0.580	58	1.115	1.138	247.0
10/09/2016	0.914	0.677	83	1.119	0.941	118.3
10/10/2016	0.907	0.890	91	0.854	1.259	146.0
10/11/2016	0.898	0.888	103	0.829	0.838	88.6
10/12/2016		0.794	85	0.460	0.656	62.5
10/13/2016	0.934	0.742	66	0.404	0.504	51.7
10/14/2016	0.903	0.879	88	0.941	0.469	49.7
10/15/2016		0.207	21	1.092	1.412	134.8
10/16/2016	0.898	0.702	70	1.048	0.735	58.7
10/17/2016	0.916	0.861	93	0.842	0.960	79.2
10/18/2016	0.914	0.703	74	1.145	0.944	73.9
10/19/2016	0.916	0.706	70	1.008	1.022	109.3
10/20/2016	0.903	1.009	102	0.650	0.417	42.8
10/21/2016	0.836	1.361	136	0.389	0.667	66.8
10/22/2016		0.011	1	2.193	2.221	256.8
10/23/2016	0.883	0.813	79	0.627	0.782	90.6
10/24/2016	0.917	0.885	86	1.272	1.019	119.3
10/25/2016		0.078	7	1.901	1.868	180.4
10/26/2016	0.907	0.140	13	0.962	0.981	96.8
10/27/2016	0.911	1.226	124	0.093		
10/28/2016	0.907	1.190	129	0.267	0.490	47.2
10/29/2016		0.119	11	2.288	2.087	167.3
10/30/2016	0.921	0.286	27	1.458	1.702	172.6
10/31/2016	0.916	1.163	113	0.509	0.514	53.1
<b>TOTAL</b>	21.659	21.597	2,224	30.812	30.838	3,268
<b>AVERAGE</b>	0.902	0.697	72	0.994	1.028	109

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite and Daily Composite 2

Report Date: 11/22/2016

WW161007-004

Composite 10/07/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/8/2016	8:15	10/8/2016	10:21	4.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW161010-005

Composite 24h 10/10/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/11/2016	10:25	10/16/2016	8:05	4.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 119%. Acceptance limits are 85 to 115%.
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WW161011-004

Composite 10/11/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/12/2016	10:20	10/17/2016	7:45	3.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.
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WW161013-004

Composite 10/13/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/14/2016	11:18	10/19/2016	7:20	5.00	mg/L	2	mg/L



Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 124%. Acceptance limits are 85 to 115%.
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WW161014-004

Composite 10/14/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/15/2016	10:35	10/20/2016	7:30	4.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 122%. Acceptance limits are 85 to 115%.
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WW161016-004

Composite 10/16/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/17/2016	11:45	10/22/2016	8:20	4.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%.
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WW161018-004

Composite 10/18/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/19/2016	11:25	10/24/2016	7:15	4.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 119%. Acceptance limits are 85 to 115%.
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WW161030-004

Composite 10/30/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/31/2016	7:25	10/31/2016	9:35	4.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total

Laboratory Control Sample (LCS) recovery is 45%. Acceptance limits are 85 to 115%.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 11/22/2016

NE WET Testing Composite

Report Date: 11/22/2016

WW161003-025

Composite 24h 10/03/2016 00:59

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
2,4,6-Trichlorophenol <sup>B,D</sup>	EPA 625	10/7/2016	9:00	10/10/2016	21:36	<5 <sup>E</sup>	µg/L	5	µg/L
2,4-Dinitrophenol <sup>B,D</sup>	EPA 625	10/7/2016	9:00	10/10/2016	21:36	<38 <sup>E</sup>	µg/L	38	µg/L
Ammonia	SM 4500-NH3 D			10/18/2016	12:00	7.24	mg/L as N	0.050	mg/L as N
Aroclor 1262	NA				0:00	NM	µg/L	0.41	µg/L
Aroclor 1268	NA				0:00	NM	µg/L	0.41	µg/L
CBOD5	SM 5210 B	10/3/2016	13:27	10/8/2016	8:10	<2.00	mg/L	2	mg/L
Dimethyl phthalate <sup>B,D</sup>	EPA 625	10/7/2016	9:00	10/10/2016	21:36	<5 <sup>E</sup>	µg/L	5	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	10/7/2016	9:00	10/10/2016	21:36	<14 <sup>E</sup>	µg/L	14	µg/L
Nitrate	EPA 300.0 rev 2.1			10/4/2016	12:08	2.49	mg/L as N	0.25	mg/L as N

Data Qualifiers:

2,4,6-Trichlorophenol	Laboratory Fortified Matrix (LFM) recovery is 82%. Acceptance limits are 83-120%.
2,4-Dinitrophenol	Laboratory Fortified Matrix (LFM) recovery is 34%. Acceptance limits are 50-128%.
Ammonia	The refrigerator holding this sample was 6.5°C on 10/9/2016. The maximum allowable refrigerator temperature is 6°C. The sample was relocated to a refrigerator with acceptable temperature on 10/10/2016.
Aroclor 1262	This analyte was not requested for analysis.
Aroclor 1268	This analyte was not requested for analysis.
CBOD5	The GGA Check is 158.50 mg/L. Acceptance limits are 168 to 229 mg/L.
Dimethyl phthalate	The recovery of the LCS is 28% and the LCSD is 27%, which are outside the acceptance limits of 33-112%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) recovery is 19%. Acceptance limits are 33-112%.
Hexachlorocyclopentadiene	The recovery of the LCS is 13% and the LCSD is 18%, which are outside the acceptance limits of 24-128%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
Nitrate	Laboratory Fortified Matrix (LFM) Recovery is 89.6%. Acceptance limits are 90-110%.

WW161005-025

Composite 24h 10/05/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4,4'-DDD <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	0.02 <sup>E</sup>	µg/L	0.016	µg/L
4,4'-DDE <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	0.02 <sup>E</sup>	µg/L	0.016	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Aldrin <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
alpha-BHC <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Ammonia	SM 4500-NH3 D			10/18/2016	12:00	6.88	mg/L as N	0.050	mg/L as N
beta-BHC <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Chlordane <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.40 <sup>E</sup>	µg/L	0.4	µg/L
delta-BHC <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	0.03 <sup>E</sup>	µg/L	0.0081	µg/L
Dieldrin <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endosulfan I <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Endosulfan II <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endosulfan sulfate <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endrin <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.081 <sup>E</sup>	µg/L	0.081	µg/L
gamma-BHC <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Heptachlor <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Heptachlor epoxide <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	10/12/2016	17:00	10/14/2016	5:57	<15 <sup>E</sup>	µg/L	15	µg/L
TKN	SM 4500-Norg D	10/14/2016	14:25	10/18/2016	17:13	7.30	mg/L as N	1	mg/L as N

Data Qualifiers:

4,4'-DDD	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
4,4'-DDE	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
4,4'-DDT	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.

Aldrin	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
alpha-BHC	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Ammonia	The refrigerator holding this sample was 6.5°C on 10/9/2016. The maximum allowable refrigerator temperature is 5°C. The sample was relocated to a refrigerator with acceptable temperature on 10/10/2016.
beta-BHC	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Chlordane	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
delta-BHC	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Dieldrin	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Endosulfan I	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Endosulfan II	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Endosulfan sulfate	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Endrin	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Endrin aldehyde	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.

gamma-BHC	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Heptachlor	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Heptachlor epoxide	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Hexachlorocyclopentadiene	The recovery of the LCS is 9% and the LCSD is 9%, which are outside the acceptance limits of 24-128%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
TKN	The refrigerator holding this sample was 6.5°C on 10/9/2016. The maximum allowable refrigerator temperature is 6°C. The sample was relocated to a refrigerator with acceptable temperature on 10/10/2016.

WW161007-024

Composite 24h 10/07/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,2-Diphenylhydrazine <sup>B,D</sup>	EPA 625	10/13/2016	22:30	10/18/2016	5:00	<5 <sup>E</sup>	µg/L	5	µg/L
2,4-Dimethylphenol <sup>B,D</sup>	EPA 625	10/13/2016	22:30	10/18/2016	5:00	<5 <sup>E</sup>	µg/L	5	µg/L
4,4'-DDE <sup>B,D</sup>	EPA 608	10/13/2016	23:30	10/17/2016	12:16	<0.019 <sup>E</sup>	µg/L	0.019	µg/L
Ammonia	SM 4500-NH3 D			10/18/2016	12:00	6.52	mg/L as N	0.050	mg/L as N
CBOD5	SM 5210 B	10/7/2016	13:25	10/12/2016	10:10	<2.00	mg/L	2	mg/L
Dieldrin <sup>B,D</sup>	EPA 608	10/13/2016	23:30	10/17/2016	12:16	<0.019 <sup>E</sup>	µg/L	0.019	µg/L
Endosulfan I <sup>B,D</sup>	EPA 608	10/13/2016	23:30	10/17/2016	12:16	0.03 <sup>E</sup>	µg/L	0.0095	µg/L
Heptachlor <sup>B,D</sup>	EPA 608	10/13/2016	23:30	10/17/2016	12:16	0.02 <sup>E</sup>	µg/L	0.0095	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	10/13/2016	22:30	10/18/2016	5:00	<14 <sup>E</sup>	µg/L	14	µg/L
TKN	SM 4500-Norg D	10/14/2016	14:25	10/18/2016	17:20	6.61	mg/L as N	1	mg/L as N

Data Qualifiers:

1,2-Diphenylhydrazine	The recovery of the LCSD is 121%, which is outside the acceptance limits of 73-119%. Sufficient sample was not available to repeat the analysis.
2,4-Dimethylphenol	The recovery of the LCS is 70%, which is outside the acceptance limits of 72-110%. Sufficient sample was not available to repeat the analysis.
4,4'-DDE	The recovery of the LCSD is 131%, which is outside the acceptance limits of 51-129%.


Ammonia	The refrigerator holding this sample was 6.5°C on 10/9/2016. The maximum allowable refrigerator temperature is 6°C. The sample was relocated to a refrigerator with acceptable temperature on 10/10/2016.
CBOD5	GGA Check is 158 mg/L. Acceptance limits are 169 to 229 mg/L.
Dieldrin	The recovery of the LCSD is 130%, which is outside the acceptance limits of 54-126%.
Endosulfan I	The recovery of the LCSD is 125%, which is outside the acceptance limits of 51-118%.
Heptachlor	The recovery of the LCSD is 122%, which is outside the acceptance limits of 38-111%.
Hexachlorocyclopentadiene	The recovery of the LCS is 6% and the LCSD is 6%, which are outside the acceptance limits of 24-128%. Sufficient sample was not available to repeat the analysis.
TKN	The refrigerator holding this sample was 6.5°C on 10/9/2016. The maximum allowable refrigerator temperature is 6°C. The sample was relocated to a refrigerator with acceptable temperature on 10/10/2016.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 11/22/2016



Debra A. McCarty, Water Commissioner

December 28, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for November 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 11/01/2016-11/30/2016

**Report Due Date:** 12/28/2016

**Submitted By:** Mary Ellen Senss

**Submission Id:** 37744

**Submission Status:** Received

**Submission Type:** Original



# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for November 2016

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

**PA0026689**  
PERMIT NUMBER

**001**  
OUTFALL NUMBER

Reorting Frequency: Monthly  
 DMR Effective From: 11/01/2016  
 DMR Effective To: 11/30/2016  
 Permit Expires: 08/31/2012  
 Permit Application Due: 12/28/2016  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2016	11	01	FROM	2016	11	30
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	4.4	6.0	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.6	***	7.0	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	8894	7568	lbs/day	***	6	7	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	6.74	7.94	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.854	1.080	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	3.144	4.360	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	7.94	9.17	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.507	1.020	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	.030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0060	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.2160	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0700	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF CLEAN WATER  
 DISCHARGE MONITORING REPORT (DMR)



Zinc, Total	Sample Measurement	***	***	***	***	.0250	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	137	269	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.23	.38	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	14	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	6838	6170	lbs/day	***	5	6	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	20209	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
Facility Comments										

**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
E-NPDES NE201611.xls	Daily Effluent Monitoring Form	2016-12-27T14:20:12-05:00	
WW NPDES Weekly - NE (12-20-2016).pdf	Laboratory Accreditation Form	2016-12-27T14:25:53-05:00	
NE Outfall Monthly Composite (12-20-2016).pdf	Laboratory Accreditation Form	2016-12-27T14:25:01-05:00	
NE Fecal Coliform Daily (12-21-2016).pdf	Laboratory Accreditation Form	2016-12-27T14:24:19-05:00	
NE Daily Grab (12-20-2016).pdf	Laboratory Accreditation Form	2016-12-27T14:23:30-05:00	
NE Daily Composite (12-20-2016).pdf	Laboratory Accreditation Form	2016-12-27T14:22:46-05:00	
BLSNE201611.xls	Nutrient Monitoring Form	2016-12-27T14:20:43-05:00	
201611SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-12-27T14:22:01-05:00	
NECSO 201611.xls	CSO Detailed Outfall Report Form	2016-12-27T14:21:18-05:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2016	12	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

# PERMIT

## NEWPCP - NOVEMBER 2016

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD
			EFF (mg/L)	SS% REM	SS%** REM	LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM

S	10/30/2016	166	246	4	98	5,528		163	7	96	9,675	
M	10/31/2016	141	204	2	99	2,352		149	3	98	3,528	
T	11/01/2016	133	273	3	99	3,334		171	2	99	2,223	
W	11/02/2016	124	251	3	99	3,091		185	3	98	3,091	13
Th	11/03/2016	126	270	2	99	2,095		157	4	97	4,190	
F	11/04/2016	125	230	2	99	2,086		145	3	98	3,128	11
S	11/05/2016	128	184	3	98	3,202		177	4	98	4,269	
Su	11/06/2016	123	218	3	99	3,081		177	5	97	5,135	
M	11/07/2016	123	196	3	98	3,083		161	5	97	5,138	13
T	11/08/2016	123	156	5	97	5,135		165	4	98	4,108	
W	11/09/2016	163	240	7	97	9,531		192	7	96	9,531	21
Th	11/10/2016	114	160	4	98	3,810		136	4	97	3,810	
F	11/11/2016	112	214	4	98	3,752		161	3	98	2,814	
S	11/12/2016	112	198	4	98	3,723		194	5	97	4,654	
Su	11/13/2016	115	229	3	99	2,879		188	5	97	4,798	
M	11/14/2016	109	216	6	97	5,455		186	4	98	3,637	17
T	11/15/2016	114	210	5	98	4,754		166	4	98	3,803	
W	11/16/2016	121	215	5	98	5,062		189	5	97	5,062	15
Th	11/17/2016	143	248	5	98	5,972		179	5	97	5,972	
F	11/18/2016	152	219	5	98	6,336		166	4	98	5,069	
S	11/19/2016	139	245	7	97	8,086		183	6	97	6,931	
Su	11/20/2016	132	222	6	97	6,603		147	5	97	5,503	
M	11/21/2016	124	254	7	97	7,218		196	5	97	5,156	15
T	11/22/2016	126	247	9	96	9,481		164	6	96	6,321	
M	11/23/2016	128	355	5	99	5,345		257	6	98	6,414	16
Th	11/24/2016	137	267	9	97	10,253		241	6	98	6,835	
F	11/25/2016	133	225	6	97	6,673		196	5	97	5,561	
S	11/26/2016	148	244	6	98	7,404		190	6	97	7,404	
Su	11/27/2016	135	229	8	97	9,017		138	6	96	6,762	
M	11/28/2016	123	209	6	97	6,136		149	5	97	5,113	16
T	11/29/2016	269	218	33	85	74,119		120	18	85	40,429	
W	11/30/2016	267	198	18	91	40,105		102	10	90	22,280	25

TOTAL	4,122	6,840						5,178				
AVERAGE	137	228	6	97		8,894		173	5	97	6,838	16

Wk1	135	237	3	99		3,098		164	4	98	4,301	
Wk2	124	197	4	98		4,588		169	5	97	5,027	
Wk3	128	226	5	98		5,506		180	5	97	5,039	
Wk4	133	259	7	97		7,568		199	6	97	6,170	

MAX 269

CBOD 20 LBS-- 20,209

NPDES/D  
LIMITS

MO	<30	>85	<52,540	<25	>86	<36,430
WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - NOVEMBER 2016**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
T 11/01/2016	133	6.9	6.9	6.3	0.16	15		
W 11/02/2016	124	6.9	6.9	6.2	0.18	16		
Th 11/03/2016	126	6.9	6.9	6.3	0.17	29		
F 11/04/2016	125	7.0	6.9	6.4	0.22	37		
S 11/05/2016	128	6.9	6.9	6.2	0.21	15		
Su 11/06/2016	123	6.9	6.8	6.6	0.20	36		
M 11/07/2016	123	6.9	6.9	6.3	0.22	7		
T 11/08/2016	123	6.9	6.9	6.1	0.20	5		
W 11/09/2016	163	6.8	6.8	4.7	0.25	24		
Th 11/10/2016	114	6.7	6.6	5.9	0.16	87		
F 11/11/2016	112	6.9	6.9	5.2	0.25	3		
S 11/12/2016	112	6.9	6.9	6.1	0.25	5		
Su 11/13/2016	115	6.9	6.9	6.4	0.28	17		
M 11/14/2016	109	7.0	6.9	6.2	0.29	9		
T 11/15/2016	114	6.9	6.9	6.1	0.26	12		
W 11/16/2016	121	6.8	6.8	6.2	0.26	12		
Th 11/17/2016	143	6.9	6.8	6.3	0.19	11		
F 11/18/2016	152	6.9	6.9	6.4	0.23	15		
S 11/19/2016	139	6.9	6.9	6.3	0.21	14		
Su 11/20/2016	132	6.9	6.9	6.4	0.33	3		
M 11/21/2016	124	6.8	6.8	6.2	0.27	15		
T 11/22/2016	126	6.8	6.8	6.3	0.17	77		
M 11/23/2016	128	7.0	6.9	5.7	0.21	90		
Th 11/24/2016	137	6.9	7.0	5.4	0.21	7		
F 11/25/2016	133	6.8	6.8	5.9	0.28	3		
S 11/26/2016	148	7.0	7.0	6.5	0.26	2		
Su 11/27/2016	135	7.0	7.0	6.2	0.26	5		
M 11/28/2016	123	7.0	7.0	5.9	0.21	269		
T 11/29/2016	269	7.0	6.9	4.4	0.38	17		
W 11/30/2016	267	6.6	6.6	5.9	0.26	28		
TOTAL	4,122	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	137	6.6	7.0	4.4	6.0	0.23	0.38	MEAN
								14

Wk1 135  
Wk2 124  
Wk3 128  
Wk4 133

**MAX** 269

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - NOVEMBER 2016  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
11/01/2016	0.18	0.14	0.16	6.2	6.4	6.3	13	17	15
11/02/2016	0.18	0.17	0.18	6.1	6.3	6.2	16	16	16
11/03/2016	0.19	0.15	0.17	6.1	6.4	6.3	40	21	29
11/04/2016	0.25	0.19	0.22	6.3	6.4	6.4	50	28	37
11/05/2016	0.24	0.17	0.21	6.1	6.3	6.2	11	21	15
11/06/2016	0.24	0.16	0.20	6.5	6.6	6.6	70	19	36
11/07/2016	0.22	0.21	0.22	6.4	6.1	6.3	19	3	7
11/08/2016	0.19	0.20	0.20	6.0	6.1	6.1	2	14	5
11/09/2016	0.26	0.24	0.25	4.6	4.8	4.7	33	18	24
11/10/2016	0.18	0.13	0.16	5.7	6.1	5.9	31	248	87
11/11/2016	0.26	0.24	0.25	5.2	5.1	5.2	8	1	3
11/12/2016	0.26	0.24	0.25	5.9	6.2	6.1	5	4	5
11/13/2016	0.28	0.28	0.28	6.3	6.5	6.4	14	21	17
11/14/2016	0.29	0.28	0.29	6.1	6.2	6.2	6	14	9
11/15/2016	0.29	0.22	0.26	5.9	6.2	6.1	15	10	12
11/16/2016	0.25	0.27	0.26	6.1	6.2	6.2	8	17	12
11/17/2016	0.21	0.17	0.19	6.2	6.4	6.3	11	11	11
11/18/2016	0.24	0.21	0.23	6.3	6.5	6.4	15	16	15
11/19/2016	0.24	0.17	0.21	6.2	6.3	6.3	7	25	14
11/20/2016	0.39	0.27	0.33	6.3	6.4	6.4	3	3	3
11/21/2016	0.29	0.24	0.27	6.0	6.3	6.2	16	15	15
11/22/2016	0.17	0.16	0.17	6.3	6.2	6.3	42	143	77
11/23/2016	0.24	0.18	0.21	5.6	5.8	5.7	96	85	90
11/24/2016	0.23	0.18	0.21	5.1	5.7	5.4	11	5	7
11/25/2016	0.31	0.25	0.28	5.7	6.0	5.9	3	3	3
11/26/2016	0.30	0.22	0.26	6.4	6.6	6.5	1	3	2
11/27/2016	0.28	0.24	0.26	6.1	6.3	6.2	4	6	5
11/28/2016	0.23	0.19	0.21	5.7	6.0	5.9	249	291	269
11/29/2016	0.46	0.30	0.38	4.5	4.2	4.4	7	40	17
11/30/2016	0.33	0.18	0.26	5.7	6.0	5.9	9	88	28
Avg	0.26	0.21	0.23	5.9	6.1	6.0	13	16	14

# PERMIT 2016

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
11/01/2016			
11/02/2016	173	7	96%
11/03/2016			
11/04/2016	146	6	96%
11/05/2016			
11/06/2016			
11/07/2016	161	7	96%
11/08/2016			
11/09/2016	138	12	91%
11/10/2016			
11/11/2016			
11/12/2016			
11/13/2016			
11/14/2016	163	8	95%
11/15/2016			
11/16/2016	165	8	95%
11/17/2016			
11/18/2016			
11/19/2016			
11/20/2016			
11/21/2016	193	14	93%
11/22/2016			
11/23/2016	340	12	96%
11/24/2016			
11/25/2016			
11/26/2016			
11/27/2016			
11/28/2016	151	14	91%
11/29/2016			
11/30/2016	110	19	83%
AVG	174	11	93%



DESIGN - 210 MGD

NEWPCP - NOVEMBER 2016						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
11/01/2016	36	71	26	133	160	
11/02/2016	36	60	27	124	154	
11/03/2016	36	62	27	126	155	
11/04/2016	36	63	26	125	153	0.01
11/05/2016	37	64	26	128	162	
11/06/2016	37	60	25	123	162	
11/07/2016	36	62	25	123	156	
11/08/2016	36	61	26	123	160	
11/09/2016	58	68	38	163	312	0.38
11/10/2016	37	54	23	114	151	
11/11/2016	37	51	25	112	144	
11/12/2016	37	49	26	112	149	
11/13/2016	38	52	25	115	172	
11/14/2016	38	45	26	109	139	T
11/15/2016	37	49	28	114	174	T
11/16/2016	37	58	27	121	152	T
11/17/2016	36	78	30	143	182	
11/18/2016	35	89	28	152	195	
11/19/2016	41	68	30	139	297	0.03
11/20/2016	37	67	28	132	204	T
11/21/2016	36	61	27	124	153	
11/22/2016	37	60	29	126	187	
11/23/2016	37	66	26	128	160	
11/24/2016	37	74	26	137	187	
11/25/2016	36	71	27	133	182	T
11/26/2016	36	86	26	148	185	
11/27/2016	37	73	25	135	202	
11/28/2016	35	58	29	123	181	
11/29/2016	85	127	57	269	458	1.02
11/30/2016	90	122	55	267	430	0.73
TOTAL	1,223	2,028	871	4,122		2.17
AVG	41	68	29	137		
		MIN		109	139	
		MAX		269	458	

\* ADJUSTED FOR RECYCLE.

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
 Northeast Water Pollution Control Plant  
**NPDES SUMMARY FOR THE MONTH OF NOVEMBER 2016**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
11/02/2016	1.080	4.320	5.98	6.92	0.308
11/09/2016	1.010	4.360	6.72	6.80	0.436
11/16/2016	0.851	3.050	6.49	7.87	0.386
11/22/2016	0.866	2.870	7.94	9.17	0.386
11/30/2016	0.462	1.120	6.56	8.93	1.020
<b>AVG</b>	0.854	3.144	6.74	7.94	0.507
<b>MAX</b>	1.080	4.360	7.94	9.17	1.020

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
11/03/2016	< 0.030

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	11/02/2016
Copper	0.0060
Iron	0.2160
Iron Dissolved	0.0700
Lead	< 0.0030
Zinc	< 0.0250

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	11/07/2016
1,2-Dichloroethane	< 0.0010
Chloroform	< 0.0010
Chlorodibromomethane	< 0.0010
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
NOVEMBER 2016	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
11/01/2016	0.910	1.031	108	1.130	1.029	106.5
11/02/2016	0.920	0.885	78	0.973	0.978	90.5
11/03/2016	0.914	0.944	93	0.510	0.722	64.3
11/04/2016	0.923	0.599	57	1.597	1.656	174.3
11/05/2016	0.000	0.695	69	1.702	1.430	173.4
11/06/2016	0.921	0.761	78	0.900	0.920	111.5
11/07/2016	0.000	0.142	13	1.320	1.402	152.2
11/08/2016	0.895	0.836	81	0.996	1.091	111.9
11/09/2016	0.912	0.048	5	0.480	0.307	35.7
11/10/2016	0.924	1.710	168	0.158	0.289	29.6
11/11/2016	0.923	0.600	61	1.038	0.840	84.1
11/12/2016	0.934	0.696	69	0.787	1.055	102.3
11/13/2016	0.920	0.847	81	0.943	0.792	50.8
11/14/2016	0.936	1.124	119	0.365	0.603	43.7
11/15/2016	0.000	0.548	58	0.982	0.954	78.3
11/16/2016	0.931	0.054	5	1.671	1.290	154.4
11/17/2016	0.000	0.069	6	0.414	0.718	71.8
11/18/2016	0.926	1.031	107	1.399	1.254	117.8
11/19/2016	0.925	0.916	86	0.377	0.572	48.8
11/20/2016	0.944	1.172	136	0.950	0.873	74.6
11/21/2016	0.922	0.816	74	1.286	1.260	128.9
11/22/2016	0.934	0.643	54	0.490	0.657	61.4
11/23/2016	0.000	0.644	54	0.840	0.844	70.2
11/24/2016	0.000	0.274	23	1.926	1.758	168.6
11/25/2016	1.840	1.342	109	0.997	0.988	86.7
11/26/2016	0.927	0.886	77	1.014	1.041	94.7
11/27/2016	0.921	1.365	113	0.991	0.904	82.0
11/28/2016	0.937	0.186	16	1.672	1.570	137.5
11/29/2016	0.000	0.430	38	0.951	1.046	102.9
11/30/2016	0.928	0.760	69	1.252	1.266	122.9
<b>TOTAL</b>	22.166	22.051	2,106	30.108	30.113	2,932
<b>AVERAGE</b>	0.739	0.735	70	1.004	1.004	98

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

WW NPDES Weekly - NE

Report Date: 12/20/2016

WW161130-025

Composite 24h 11/30/2016 06:15

Parameter	Analytical Method	Sample Preparation	Sample Preparation	Sample Analysis Date	Sample Analysis	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500-Norg D	12/15/2016	15:00	12/15/2016	17:44	8.93	mg/L as N	1	mg/L as N

Data Qualifiers:


TKN	Laboratory Fortified Matrix (LFM) recovery is 111.8%. Acceptance limits are 90 to 110%.
-----	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo

Title: Laboratory Manager

Date: 12/20/2016

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Outfall Monthly Composite

Report Date: 12/20/2016

WW161103-024

Composite 11/03/2016 07:10

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Phenols <sup>B,D</sup>	EPA 420.4			11/13/2016	18:30	<0.030 <sup>E</sup>	µg/L	0.03	µg/L

Data Qualifiers:

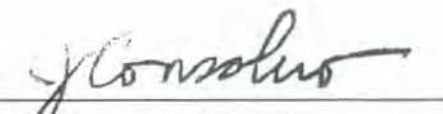
Phenols	Laboratory Fortified Matrix (LFM) recovery is 129%. Acceptance limits are 90 to 110%.
---------	---

Legend

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- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 12/20/2016

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Fecal Coliform Daily

Report Date: 12/20/2016

WW161108-019

Grab 11/08/2016 09:21

Parameter	Analytical Method	Sample Preparation	Sample Preparation	Sample Analysis Date	Sample Analysis	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			11/8/2016	8:10	2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria Value exceeded due to very low values in samples. The measured results were 2.0 MPN/100mL and 10.9 MPN/100mL.
---	--

WW161108-020

Grab 11/08/2016 09:19

Parameter	Analytical Method	Sample Preparation	Sample Preparation	Sample Analysis Date	Sample Analysis	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			11/8/2016	8:10	14.4	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria Value exceeded due to very low values in samples. The measured results were 2.0 MPN/100mL and 10.9 MPN/100mL.
---	--

WW161109-020

Grab 11/09/2016 09:20

Parameter	Analytical Method	Sample Preparation	Sample Preparation	Sample Analysis Date	Sample Analysis	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18 /Quantitray			11/10/2016	8:10	33.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria Value exceeded due to very low values in samples. The measured results were 1.0 MPN/100mL and 4.1 MPN/100mL.
---	---

WW161109-021

Grab 11/09/2016 09:20

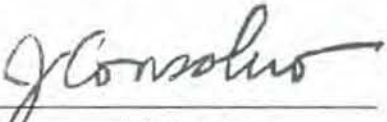
Parameter	Analytical Method	Sample Preparation	Sample Preparation	Sample Analysis Date	Sample Analysis	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18 /Quantit			11/10/2016	8:10	17.5	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria Value exceeded due to very low values in samples. The measured results were 1.0 MPN/100mL and 4.1 MPN/100mL.
---	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
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- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
Signature: \_\_\_\_\_  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 12/20/2016

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report Date: 12/20/2016

WW161129-005

Grab 11/29/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G	11/29/2016	9:27	11/29/2016	9:29	0.46	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Quality Control Sample (QCS) recovery is 112%. Acceptance limits are 90 to 110%.
-------------------------	--

WW161129-006

Grab 11/29/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G	11/29/2016	9:27	11/29/2016	9:29	0.3	mg/L	0.05	mg/L

Data Qualifiers:


Chlorine Residual Total	Quality Control Sample (QCS) recovery is 112%. Acceptance limits are 90 to 110%.
-------------------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 12/20/2016



Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite

Report Date: 12/20/2016

WW161113-004

Composite 11/13/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	11/14/2016	7:38	11/14/2016	10:04	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 70%. Acceptance limits are 85 to 115%.
------------------------	--

WW161120-004

Composite 11/20/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	11/21/2016	7:28	11/21/2016	9:42	6	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 70%. Acceptance limits are 85 to 115%.
------------------------	--

WW161121-005

Composite 24h 11/21/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	11/22/2016	7:17	11/22/2016	9:17	7	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 122.5%. Acceptance limits are 85 to 115%.
------------------------	---

WW161122-004

Composite 11/22/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/23/2016	11:20	11/28/2016	8:20	6	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in the blank was 0.29 mg/l. The maximum acceptable concentration in the blank is 0.20 mg/l.
-------	---

WW161123-005

Composite 24h 11/23/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	SM 5210 B	11/24/2016	11:32	12/14/2016	6:15	16	mg/L	2	mg/L
CBOD5	SM 5210 B	11/24/2016	11:32	11/29/2016	8:20	6	mg/L	2	mg/L

## Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in the blanks was 0.32 mg/l and 0.27. The maximum acceptable concentration in the blank is 0.20 mg/l.
CBOD5	Dissolved oxygen concentration measured in the method blanks exceeded method specifications. The concentration in the blanks were 0.32 mg/l and 0.27. The maximum acceptable concentration in the blank is 0.20 mg/l.

WW161127-004

Composite 11/27/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 5210 B	11/28/2016	7:48	11/28/2016	9:52	8	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
------------------------	--

WW161128-005

Composite 24h 11/28/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 5210 B	11/29/2016	8:05	11/29/2016	10:08	6	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
------------------------	--

WW161130-025

Composite 24h 11/30/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500-Norg D	12/15/2016	15:00	12/15/2016	17:44	8.93	mg/L as N	1	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 111.8%. Acceptance limits are 90 to 110%.
-----	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 12/20/2016



Debra A. McCarty, Water Commissioner

January 26, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for December 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 12/01/2016-12/31/2016

**Report Due Date:** 01/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 41390

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for December 2016

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - DECEMBER 2016 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	
Th 12/01/2016	143	197	6	97		7,145	140	7	95	8,335	
F 12/02/2016	132	265	5	98		5,496	178	5	97	5,496	
S 12/03/2016	127	203	4	98		4,251	139	4	97	4,251	
Su 12/04/2016	150	205	6	97		7,487	169	6	96	7,487	
M 12/05/2016	138	169	6	96		6,913	162	6	96	6,913	16
T 12/06/2016	244	194	21	89		42,652	128	15	88	30,466	
W 12/07/2016	141	167	7	96		8,244	155	5	97	5,888	10
Th 12/08/2016	136	203	5	98		5,650	158	4	97	4,520	
F 12/09/2016	127	197	4	98		4,251	159	5	97	5,313	
S 12/10/2016	129	222	10	95		10,755	146	10	93	10,755	
Su 12/11/2016	171	296	16	95		22,762	154	12	92	17,072	
M 12/12/2016	197	150	27	82		44,374	132	18	86	29,583	35
T 12/13/2016	136	183	10	95		11,368	146	7	95	7,958	
W 12/14/2016	133	228	9	96		9,966	172	8	95	8,859	24
Th 12/15/2016	131	226	11	95		12,000	161	7	96	7,636	
F 12/16/2016	131	206	14	93		15,300	151	8	95	8,743	
S 12/17/2016	238	215	50	77		99,079	125	33	74	65,392	
Su 12/18/2016	156	194	16	92		20,879	141	12	91	15,660	
M 12/19/2016	136	226	9	96		10,173	135	7	95	7,912	20
T 12/20/2016	140	194	7	96		8,166	155	7	95	8,166	
M 12/21/2016	135	181	7	96		7,874	151	7	95	7,874	17
Th 12/22/2016	136	218	8	96		9,053	149	8	95	9,053	
F 12/23/2016	139	279	8	97		9,270	155	6	96	6,953	
S 12/24/2016	211	206	15	93		26,420	138	15	89	26,420	
Su 12/25/2016	136	174	6	97		6,796	130	7	95	7,929	
M 12/26/2016	136	208	8	96		9,091	146	8	95	9,091	21
T 12/27/2016	136	217	8	96		9,061	133	6	95	6,795	
W 12/28/2016	133	221	7	97		7,737	141	7	95	7,737	23
Th 12/29/2016	177	227	14	94		20,664	138	9	93	13,284	
F 12/30/2016	135	205	7	97		7,903	129	8	94	9,033	
S 12/31/2016	138	201	9	96		10,352	145	9	94	10,352	

TOTAL AVERAGE	4,646	6,477					4,561					
	150	209	11	95		15,520	147	9	94	12,288		21

Wk1	152	194	8	96	12,279	154	7	95	10,192
Wk2	162	215	20	90	30,693	149	13	90	20,749
Wk3	150	214	10	95	13,119	146	9	94	11,720
Wk4	142	208	8	96	10,229	137	8	94	9,174

MAX 244

CBOD 20 LBS-- 25,666

NPDES/D LIMITS	MO	<30	>85	<52,540		<25	>86	<36,430
	WK	<45		<78,810		<40		<54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - DECEMBER 2016**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
Th 12/01/2016	143	6.9	6.8	4.4	0.26	399		
F 12/02/2016	132	7.1	7.1	5.9	0.22	29		
S 12/03/2016	127	7.2	7.1	4.9	0.22	4		
Su 12/04/2016	150	7.3	7.2	5.2	0.19	8		
M 12/05/2016	138	7.1	7.1	3.6	0.26	188		
T 12/06/2016	244	7.0	7.1	4.8	0.21	22		
W 12/07/2016	141	6.8	6.8	4.4	0.56	229		
Th 12/08/2016	136	6.9	7.0	5.5	0.21	15		
F 12/09/2016	127	7.1	7.1	6.0	0.21	11		
S 12/10/2016	129	7.0	7.1	6.0	0.22	6		
Su 12/11/2016	171	7.1	7.1	6.5	0.21	53		
M 12/12/2016	197	7.1	7.0	2.5	0.59	884		
T 12/13/2016	136	6.8	7.0	5.4	0.20	502		
W 12/14/2016	133	7.1	7.1	5.6	0.21	34		
Th 12/15/2016	131	7.2	7.1	5.9	0.22	20		
F 12/16/2016	131	6.9	7.1	6.2	0.16	53		
S 12/17/2016	238	7.3	7.3	7.0	0.21	146		
Su 12/18/2016	156	6.9	6.9	5.2	0.14	1,253		
M 12/19/2016	136	6.9	7.0	5.5	0.22	461		
T 12/20/2016	140	7.2	7.1	5.6	0.23	56		
M 12/21/2016	135	7.3	7.3	5.5	0.16	474		
Th 12/22/2016	136	7.2	7.2	5.3	0.21	473		
F 12/23/2016	139	7.1	7.1	6.5	0.24	571		
S 12/24/2016	211	7.1	7.0	4.7	0.21	1,263		
Su 12/25/2016	136	7.1	7.0	5.8	0.18	111		
M 12/26/2016	136	7.2	7.1	7.1	0.19	62		
T 12/27/2016	136	7.2	7.2	5.1	0.20	69		
W 12/28/2016	133	7.0	7.2	5.1	0.18	318		
Th 12/29/2016	177	7.1	7.1	4.8	0.30	276		
F 12/30/2016	135	7.1	7.2	5.6	0.20	547		
S 12/31/2016	138	7.1	7.1	5.3	0.24	45		
TOTAL	4,646	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	150	6.8	7.3	2.5	5.4	0.23	0.59	MEAN
								106

Wk1 152  
Wk2 162  
Wk3 150  
Wk4 142

**MAX** 244

	EFFLUENT	GEO
NPDES/D	MIN MAX	MEAN
LIMITS	6.0 9.0	<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - DECEMBER 2016  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
12/01/2016	0.27	0.25	0.26	4.5	4.2	4.4	488	326	399
12/02/2016	0.23	0.21	0.22	6.3	5.4	5.9	10	86	29
12/03/2016	0.19	0.24	0.22	4.9	4.8	4.9	< 1	16	4
12/04/2016	0.19	0.19	0.19	5.4	5.0	5.2	4	16	8
12/05/2016	0.25	0.27	0.26	3.8	3.4	3.6	30	1,203	188
12/06/2016	0.23	0.19	0.21	5.0	4.5	4.8	12	41	22
12/07/2016	0.56	0.56	0.56	4.6	4.2	4.4	96	548	229
12/08/2016	0.23	0.19	0.21	5.7	5.2	5.5	16	15	15
12/09/2016	0.24	0.18	0.21	6.2	5.7	6.0	7	17	11
12/10/2016	0.23	0.20	0.22	6.2	5.7	6.0	5	6	6
12/11/2016	0.25	0.16	0.21	6.7	6.2	6.5	15	196	53
12/12/2016	0.59	0.58	0.59	2.7	2.2	2.5	1,203	649	884
12/13/2016	0.21	0.19	0.20	5.7	5.1	5.4	613	411	502
12/14/2016	0.23	0.19	0.21	5.8	5.4	5.6	41	28	34
12/15/2016	0.22	0.21	0.22	6.1	5.6	5.9	16	26	20
12/16/2016	0.12	0.20	0.16	6.4	5.9	6.2	55	50	53
12/17/2016	0.19	0.22	0.21	7.2	6.8	7.0	727	29	146
12/18/2016	0.14	0.13	0.14	5.3	5.0	5.2	649	> 2,420	1,253
12/19/2016	0.22	0.22	0.22	5.7	5.3	5.5	461	461	461
12/20/2016	0.27	0.18	0.23	5.9	5.3	5.6	770	4	56
12/21/2016	0.17	0.15	0.16	5.8	5.1	5.5	387	579	474
12/22/2016	0.24	0.17	0.21	5.6	5.0	5.3	308	727	473
12/23/2016	0.24	0.23	0.24	6.7	6.2	6.5	291	1,120	571
12/24/2016	0.25	0.16	0.21	4.9	4.5	4.7	921	1,733	1,263
12/25/2016	0.17	0.19	0.18	6.1	5.4	5.8	86	142	111
12/26/2016	0.23	0.15	0.19	7.3	6.8	7.1	42	91	62
12/27/2016	0.22	0.17	0.20	5.4	4.8	5.1	72	66	69
12/28/2016	0.19	0.16	0.18	5.3	4.9	5.1	261	387	318
12/29/2016	0.34	0.26	0.30	5.0	4.6	4.8	308	248	276
12/30/2016	0.23	0.17	0.20	5.8	5.4	5.6	579	517	547
12/31/2016	0.29	0.19	0.24	5.4	5.2	5.3	45	45	45
Avg	0.24	0.22	0.23	5.6	5.1	5.4	86	130	106



**PERMIT  
NEWPCP - DECEMBER 2016**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
12/01/2016			
12/02/2016			
12/03/2016			
12/04/2016			
12/05/2016	167	7	96%
12/06/2016			
12/07/2016	140	5	96%
12/08/2016			
12/09/2016			
12/10/2016			
12/11/2016			
12/12/2016	132	31	77%
12/13/2016			
12/14/2016	169	16	91%
12/15/2016			
12/16/2016			
12/17/2016			
12/18/2016			
12/19/2016	121	12	90%
12/20/2016			
12/21/2016	151	8	95%
12/22/2016			
12/23/2016			
12/24/2016			
12/25/2016			
12/26/2016	NR	13	ND
12/27/2016			
12/28/2016	NR	9	ND
12/29/2016			
12/30/2016			
12/31/2016			
AVG	147	13	91%

DESIGN - 210 MGD

NEWPCP - DECEMBER 2016						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
12/01/2016	40	73	30	143	188	0.03
12/02/2016	38	65	30	132	201	
12/03/2016	38	62	27	127	180	
12/04/2016	45	74	30	150	308	
12/05/2016	39	69	29	138	204	0.13
12/06/2016	75	118	50	244	472	0.74
12/07/2016	40	70	31	141	180	0.04
12/08/2016	39	68	29	136	170	
12/09/2016	38	62	27	127	155	
12/10/2016	39	63	27	129	192	T
12/11/2016	52	80	39	171	381	T
12/12/2016	57	104	36	197	388	0.42
12/13/2016	39	69	28	136	190	
12/14/2016	39	64	30	133	173	T
12/15/2016	39	63	29	131	178	0.01
12/16/2016	39	65	28	131	157	
12/17/2016	77	112	48	238	391	0.72
12/18/2016	46	79	32	156	201	0.02
12/19/2016	41	66	29	136	177	
12/20/2016	42	69	29	140	169	
12/21/2016	41	66	28	135	185	
12/22/2016	40	67	28	136	165	
12/23/2016	42	68	29	139	170	
12/24/2016	69	100	42	211	409	0.39
12/25/2016	41	67	28	136	176	
12/26/2016	41	67	29	136	175	
12/27/2016	41	67	28	136	168	0.03
12/28/2016	40	64	28	133	164	
12/29/2016	56	83	38	177	346	0.19
12/30/2016	41	67	28	135	167	T
12/31/2016	42	68	28	138	178	
TOTAL	1,353	2,210	946	4,508		2.72
AVG	45	74	32	150		
		MIN		127	155	
		MAX		244	472	

\* ADJUSTED FOR RECYCLE.

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF DECEMBER 2016**

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
12/07/2017	0.402	1.280	7.29	9.90	0.668
12/14/2017	0.535	1.300	12.50	10.90	0.550
12/21/2017	0.481	1.010	10.20	11.80	0.445
12/28/2017	0.393	0.587	15.00	16.80	0.577
<b>AVG</b>	0.453	1.044	11.25	12.35	0.560
<b>MAX</b>	0.535	1.300	15.00	16.80	0.668

**Cyanide and Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
12/08/2016	< 0.030

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

**Metals Data (mg/L)  
Northeast WPCP - Outfall**

Date	12/07/2016
Copper	0.0130
Iron	0.8470
Iron Dissolved	0.0820
Lead	< 0.0030
Zinc	0.0400

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	12/05/2016
1,2-Dichloroethane	< 0.0010
Chloroform	0.0030
Chlorodibromomethane	< 0.0010
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

**PA0026689**  
PERMIT NUMBER

**001**  
OUTFALL NUMBER

Reorting Frequency: Monthly  
 DMR Effective From: 12/01/2016  
 DMR Effective To: 12/31/2016  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2016	12	01	FROM	2016	12	31
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	2.5	5.4	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.8	***	7.3	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	15520	30693	lbs/day	***	11	20	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	11.25	15.00	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.453	.535	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	1.044	1.300	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	12.35	16.80	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.560	.668	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0030	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0130	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.8470	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0820	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF CLEAN WATER  
 DISCHARGE MONITORING REPORT (DMR)



Zinc, Total	Sample Measurement	***	***	***	***	.0400	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	150	244	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.23	.59	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	106	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	12288	20749	lbs/day	***	9	13	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	25666	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	94	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	95	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
Facility Comments										

**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
Sludge Dewatering Summary Report - December 2016.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-01-26T11:59:16-05:00	Revised report with corrected dates and title.
NECSO 201612.xls	CSO Detailed Outfall Report Form	2017-01-26T10:58:03-05:00	
NE Daily Grab (01-19-2017).pdf	Laboratory Accreditation Form	2017-01-26T10:59:44-05:00	
WW NPDES Weekly - NE (01-19-2017).pdf	Laboratory Accreditation Form	2017-01-26T11:01:20-05:00	
BLSNE201612.xls	Nutrient Monitoring Form	2017-01-26T10:57:20-05:00	
NE Daily Composite (01-19-2017).pdf	Laboratory Accreditation Form	2017-01-26T10:59:12-05:00	
NE Fecal Coliform Daily (01-19-2017).pdf	Laboratory Accreditation Form	2017-01-26T11:00:18-05:00	
NE Outfall Monthly Composite (01-19-2017).pdf	Laboratory Accreditation Form	2017-01-26T11:00:47-05:00	
E-NPDES NE-201612.xls	Daily Effluent Monitoring Form	2017-01-26T10:56:36-05:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
			AREA CODE	NUMBER	2017	1	26
SENSSM		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



Debra A. McCarty, Water Commissioner

January 26, 2017

The City of Philadelphia hereby submits the Annually Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Annually

**Report Type:** DMR

**Reporting Period:** 01/01/2016-12/31/2016

**Report Due Date:** 01/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 40978

**Submission Status:** Received

**Submission Type:** Original

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF DECEMBER 2016

Central Laboratory

**Stormwater Sampling (mg/L)**

**Northeast WPCP - Outfall**

**06/16/2016**

<b>COD</b>	<	50
<b>HEM (Oil &amp; Grease)</b>	<	5.0
<b>Phosphorous Total</b>		0.231
<b>TKN</b>		1.6
<b>CBOD<sub>5</sub></b>		7
<b>Total Suspended Solid</b>		68

**Stormwater Sampling (pH)**

**06/16/2016**

<b>pH</b>		7.3
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**Stormwater Sampling (#/100mls)**

**06/16/2016**

<b>Fecal Coliform</b>		1,046.2
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PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES  
**Northeast Water Pollution Control Plant**  
**NPDES SUMMARY FOR THE MONTH OF DECEMBER 2016**

Central Laboratory

PCB (pg/L)

Northeast WPCP - Outfall

PCB	03/10/2016	05/14/2016	08/04/2016	09/28/2016	10/23/2016	AVG
Dry Test	1,218		2,498	1,108		1,608
Wet Test		2,156			1,817	1,987



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reorting Frequency: Annually  
 DMR Effective From: 01/01/2016  
 DMR Effective To: 12/31/2016  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM	2016	01	01	TO	2016	12 31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
PCBs Wet Weather Analysis	Sample Measurement	***	***	***	1817	***	2156	pg/L	24-Hr Composite	2/year
	Permit Measurement	***	***		Monitor & Report Min	***	Monitor & Report Max		24-Hr Composite	2/year
PCBs Dry Weather Analysis	Sample Measurement	***	***	***	1108	***	2498	pg/L	24-Hr Composite	3/year
	Permit Measurement	***	***		Monitor & Report Min	***	Monitor & Report Max		24-Hr Composite	2/year
Facility Comments										

**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**



NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

<b>PA0026689</b>	<b>061</b>
PERMIT NUMBER	OUTFALL NUMBER

Reorting Frequency: Annually  
 DMR Effective From: 01/01/2016  
 DMR Effective To: 12/31/2016  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM	2016	01	01	TO	2016	12 31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Chemical Oxygen Demand (COD)	Sample Measurement	***	***	***	***	***	<50	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
pH	Sample Measurement	***	***	***	***	***	7.3	S.U.	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Total Suspended Solids	Sample Measurement	***	***	***	***	***	68	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Oil and Grease	Sample Measurement	***	***	***	***	***	<5.0	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	***	1.6	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Total Phosphorus	Sample Measurement	***	***	***	***	***	.231	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Fecal Coliform	Sample Measurement	***	***	***	***	***	1046.2	CFU/100 ml	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	***	***	***	***	***	7	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Facility Comments										

**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
BLSNE201612.xls	Annual Report	2017-01-25T10:24:42-05:00	Annual PCB and Stormwater Data

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
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**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
Annual PCB and Stormwater DMR	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
			AREA CODE	NUMBER	2017	1	25
SENSSM		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



Debra A. McCarty, Water Commissioner

January 26, 2017

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for the period from October to December 2016. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Quarterly

**Report Type:** DMR

**Reporting Period:** 10/01/2016-12/31/2016

**Report Due Date:** 01/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 41039

**Submission Status:** Received

**Submission Type:** Original



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF OCTOBER 2016**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**07/15/2016**

<b>Toxicity, Ceriodaphnia acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Ceriodaphnia chronic</b>		<b>1</b>
<b>Toxicity, Pimphales acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Pimphales chronic</b>		<b>1</b>



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

**PA0026689**  
PERMIT NUMBER

**001**  
OUTFALL NUMBER

Reorting Frequency: Quarterly  
 DMR Effective From: 10/01/2016  
 DMR Effective To: 12/31/2016  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2016	10	01	FROM	2016	12	31
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival	Sample Measurement	***	***	***	***	***	<1	TUa	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Toxicity, Chronic - Ceriodaphnia Survival	Sample Measurement	***	***	***	***	***	1	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Toxicity, Acute - Pimephales Survival	Sample Measurement	***	***	***	***	***	<1	TUa	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Chlordane	Sample Measurement	***	***	***	***	<.0004267	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
3,3-Dichlorobenzidine	Sample Measurement	***	***	***	***	<.0050	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Benzidine	Sample Measurement	***	***	***	***	<.0577	***	mg/L	Grab	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/quarter
4,4-DDT	Sample Measurement	***	***	***	***	<.0000187	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDD	Sample Measurement	***	***	***	***	<.0000187	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDE	Sample Measurement	***	***	***	***	<.0000187	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
alpha-BHC	Sample Measurement	***	***	***	***	<.0000086	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
beta-BHC	Sample Measurement	***	***	***	***	<.0000086	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
gamma-BHC (Lindane)	Sample Measurement	***	***	***	***	<.0000086	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Dieldrin	Sample Measurement	***	***	***	***	<.0000173	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Endrin	Sample Measurement	***	***	***	***	<.0000173	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Heptachlor	Sample Measurement	***	***	***	***	<.0000127	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Toxicity, Chronic - Pimephales Survival	Sample Measurement	***	***	***	***	***	1	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
NE WET Testing Composite (11-23-2016).pdf	Laboratory Accreditation Form	2017-01-25T10:56:31-05:00	
BLSNE201610.xls	WET Test Summary Report	2017-01-25T10:55:49-05:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
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**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachment for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2017	1	25
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

WW NPDES Weekly - NE

Report Date: 01/19/2017

WW161214-025

Composite 24h 12/14/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500-Norg D	12/15/2016	15:00	12/15/2016	18:07	10.9	mg/L as N	1	mg/L as N

Data Qualifiers:

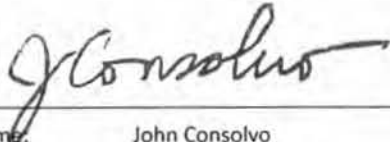
TKN	Laboratory Fortified Matrix (LFM) recovery is 111.8%. Acceptance limits are 90 to 110%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 1/19/2017

NE WET Testing Composite

Report Date: 11/22/2016

WW161003-025

Composite 24h 10/03/2016 00:59

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
2,4,6-Trichlorophenol <sup>B,D</sup>	EPA 625	10/7/2016	9:00	10/10/2016	21:36	<5 <sup>E</sup>	µg/L	5	µg/L
2,4-Dinitrophenol <sup>B,D</sup>	EPA 625	10/7/2016	9:00	10/10/2016	21:36	<38 <sup>E</sup>	µg/L	38	µg/L
Ammonia	SM 4500-NH3 D			10/18/2016	12:00	7.24	mg/L as N	0.050	mg/L as N
Aroclor 1262	NA				0:00	NM	µg/L	0.41	µg/L
Aroclor 1268	NA				0:00	NM	µg/L	0.41	µg/L
CBOD5	SM 5210 B	10/3/2016	13:27	10/8/2016	8:10	<2.00	mg/L	2	mg/L
Dimethyl phthalate <sup>B,D</sup>	EPA 625	10/7/2016	9:00	10/10/2016	21:36	<5 <sup>E</sup>	µg/L	5	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	10/7/2016	9:00	10/10/2016	21:36	<14 <sup>E</sup>	µg/L	14	µg/L
Nitrate	EPA 300.0 rev 2.1			10/4/2016	12:08	2.49	mg/L as N	0.25	mg/L as N

Data Qualifiers:

2,4,6-Trichlorophenol	Laboratory Fortified Matrix (LFM) recovery is 82%. Acceptance limits are 83-120%.
2,4-Dinitrophenol	Laboratory Fortified Matrix (LFM) recovery is 34%. Acceptance limits are 50-128%.
Ammonia	The refrigerator holding this sample was 6.5°C on 10/9/2016. The maximum allowable refrigerator temperature is 6°C. The sample was relocated to a refrigerator with acceptable temperature on 10/10/2016.
Aroclor 1262	This analyte was not requested for analysis.
Aroclor 1268	This analyte was not requested for analysis.
CBOD5	The GGA Check is 158.50 mg/L. Acceptance limits are 168 to 229 mg/L.
Dimethyl phthalate	The recovery of the LCS is 28% and the LCSD is 27%, which are outside the acceptance limits of 33-112%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) recovery is 19%. Acceptance limits are 33-112%.
Hexachlorocyclopentadiene	The recovery of the LCS is 13% and the LCSD is 18%, which are outside the acceptance limits of 24-128%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
Nitrate	Laboratory Fortified Matrix (LFM) Recovery is 89.6%. Acceptance limits are 90-110%.

WW161005-025

Composite 24h 10/05/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4,4'-DDD <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	0.02 <sup>E</sup>	µg/L	0.016	µg/L
4,4'-DDE <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	0.02 <sup>E</sup>	µg/L	0.016	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Aldrin <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
alpha-BHC <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Ammonia	SM 4500-NH3 D			10/18/2016	12:00	6.88	mg/L as N	0.050	mg/L as N
beta-BHC <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Chlordane <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.40 <sup>E</sup>	µg/L	0.4	µg/L
delta-BHC <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	0.03 <sup>E</sup>	µg/L	0.0081	µg/L
Dieldrin <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endosulfan I <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Endosulfan II <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endosulfan sulfate <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endrin <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.081 <sup>E</sup>	µg/L	0.081	µg/L
gamma-BHC <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Heptachlor <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Heptachlor epoxide <sup>B,D</sup>	EPA 608	10/12/2016	23:00	10/15/2016	9:44	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	10/12/2016	17:00	10/14/2016	5:57	<15 <sup>E</sup>	µg/L	15	µg/L
TKN	SM 4500-Norg D	10/14/2016	14:25	10/18/2016	17:13	7.30	mg/L as N	1	mg/L as N

Data Qualifiers:

4,4'-DDD	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
4,4'-DDE	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
4,4'-DDT	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.

Aldrin	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
alpha-BHC	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Ammonia	The refrigerator holding this sample was 6.5°C on 10/9/2016. The maximum allowable refrigerator temperature is 6°C. The sample was relocated to a refrigerator with acceptable temperature on 10/10/2016.
beta-BHC	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Chlordane	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
delta-BHC	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Dieldrin	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Endosulfan I	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Endosulfan II	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Endosulfan sulfate	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Endrin	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Endrin aldehyde	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.

gamma-BHC	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Heptachlor	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Heptachlor epoxide	The recovery of the surrogates: Decachlorobiphenyl is 1% in the sample, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 0% in the sample, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Delta-BHC, p, p-DDE, and p, p-DDD were not detected in the reextract.
Hexachlorocyclopentadiene	The recovery of the LCS is 9% and the LCSD is 9%, which are outside the acceptance limits of 24-128%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
TKN	The refrigerator holding this sample was 6.5°C on 10/9/2016. The maximum allowable refrigerator temperature is 6°C. The sample was relocated to a refrigerator with acceptable temperature on 10/10/2016.

WW161007-024

Composite 24h 10/07/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,2-Diphenylhydrazine <sup>B,D</sup>	EPA 625	10/13/2016	22:30	10/18/2016	5:00	<5 <sup>E</sup>	µg/L	5	µg/L
2,4-Dimethylphenol <sup>B,D</sup>	EPA 625	10/13/2016	22:30	10/18/2016	5:00	<5 <sup>E</sup>	µg/L	5	µg/L
4,4'-DDE <sup>B,D</sup>	EPA 608	10/13/2016	23:30	10/17/2016	12:16	<0.019 <sup>E</sup>	µg/L	0.019	µg/L
Ammonia	SM 4500-NH3 D			10/18/2016	12:00	6.52	mg/L as N	0.050	mg/L as N
CBOD5	SM 5210 B	10/7/2016	13:25	10/12/2016	10:10	<2.00	mg/L	2	mg/L
Dieldrin <sup>B,D</sup>	EPA 608	10/13/2016	23:30	10/17/2016	12:16	<0.019 <sup>E</sup>	µg/L	0.019	µg/L
Endosulfan I <sup>B,D</sup>	EPA 608	10/13/2016	23:30	10/17/2016	12:16	0.03 <sup>E</sup>	µg/L	0.0095	µg/L
Heptachlor <sup>B,D</sup>	EPA 608	10/13/2016	23:30	10/17/2016	12:16	0.02 <sup>E</sup>	µg/L	0.0095	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	10/13/2016	22:30	10/18/2016	5:00	<14 <sup>E</sup>	µg/L	14	µg/L
TKN	SM 4500-Norg D	10/14/2016	14:25	10/18/2016	17:20	6.61	mg/L as N	1	mg/L as N

Data Qualifiers:

1,2-Diphenylhydrazine	The recovery of the LCSD is 121%, which is outside the acceptance limits of 73-119%. Sufficient sample was not available to repeat the analysis.
2,4-Dimethylphenol	The recovery of the LCS is 70%, which is outside the acceptance limits of 72-110%. Sufficient sample was not available to repeat the analysis.
4,4'-DDE	The recovery of the LCSD is 131%, which is outside the acceptance limits of 51-129%.


Ammonia	The refrigerator holding this sample was 6.5°C on 10/9/2016. The maximum allowable refrigerator temperature is 6°C. The sample was relocated to a refrigerator with acceptable temperature on 10/10/2016.
CBOD5	GGA Check is 158 mg/L. Acceptance limits are 169 to 229 mg/L.
Dieldrin	The recovery of the LCSD is 130%, which is outside the acceptance limits of 54-126%.
Endosulfan I	The recovery of the LCSD is 125%, which is outside the acceptance limits of 51-118%.
Heptachlor	The recovery of the LCSD is 122%, which is outside the acceptance limits of 38-111%.
Hexachlorocyclopentadiene	The recovery of the LCS is 6% and the LCSD is 6%, which are outside the acceptance limits of 24-128%. Sufficient sample was not available to repeat the analysis.
TKN	The refrigerator holding this sample was 6.5°C on 10/9/2016. The maximum allowable refrigerator temperature is 6°C. The sample was relocated to a refrigerator with acceptable temperature on 10/10/2016.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 11/22/2016

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

NE Outfall Monthly Composite

Report Date: 01/19/2017

WW161207-025

Composite 24h 12/07/2016 07:40

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500-Norg D	12/15/2016	15:00	12/15/2016	17:51	9.9	mg/L as N	1	mg/L as N

Data Qualifiers:

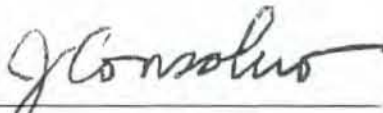
TKN	Laboratory Fortified Matrix (LFM) recovery is 111.8%. Acceptance limits are 90 to 110%.
-----	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 1/19/2017



Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Fecal Coliform Daily

Report Date: 01/19/2017

WW161204-019

Grab 12/04/2016 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			12/5/2016	8:25	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria Value exceeded. PCV 0.6128. The measured results were 4.1 MPN/100mL and 1.0 MPN/100mL.
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WW161204-020

Grab 12/04/2016 09:17

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			12/5/2016	8:25	16.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

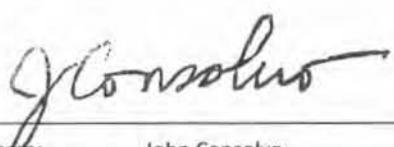
Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria Value exceeded. PCV 0.6128. The measured results were 4.1 MPN/100mL and 1.0 MPN/100mL.
---	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 1/19/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report Date: 01/19/2017

WW161212-006

Grab 12/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G	12/12/2016	9:34	12/12/2016	9:36	0.45	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Quality Control Sample (QCS) recovery is 112%. Acceptance limits are 90 to 110%.
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WW161212-007

Grab 12/12/2016 06:00

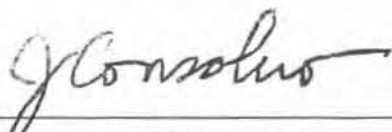
Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G	12/12/2016	9:34	12/12/2016	9:36	0.51	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Quality Control Sample (QCS) recovery is 112%. Acceptance limits are 90 to 110%.
-------------------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
 Signature: \_\_\_\_\_  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 1/19/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite

Report Date: 01/19/2017

WW161204-004

Composite 12/04/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/5/2016	7:55	12/5/2016	10:07	5	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.
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WW161206-004

Composite 12/06/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/7/2016	9:20	12/12/2016	7:00	15	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in the 4 blanks was 0.50 mg/l. The maximum acceptable concentration in the blank is 0.20 mg/l.
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WW161207-005

Composite 24h 12/07/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	12/8/2016	8:55	12/13/2016	6:05	5	mg/L	2	mg/L

Data Qualifiers:

BOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%.
------	--

WW161208-004

Composite 12/08/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/9/2016	10:15	12/14/2016	6:15	4	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%.
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WW161209-004

Composite 12/09/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/10/2016	8:00	12/10/2016	10:05	4	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW161212-005

Composite 24h 12/12/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/13/2016	7:35	12/13/2016	9:40	27	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW161215-004

Composite 12/15/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/16/2016	8:00	12/16/2016	10:05	11	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW161221-005

Composite 24h 12/21/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/22/2016	7:50	12/22/2016	9:55	7	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
------------------------	--

Legend

A - Results reported on a basis other than as received, e.g. dry weight.

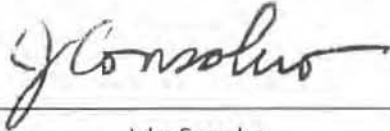
B - Tests performed are not covered by BLS's scope of accreditation.

C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:



Signature: \_\_\_\_\_

Name: John Consolvo  
Title: Laboratory Manager  
Date: 1/19/2017



Debra A. McCarty, Water Commissioner

February 27, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for January 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 01/01/2017-01/31/2017

**Report Due Date:** 02/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 45996

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for January 2017

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT

## NEWPCP - JANUARY 2017

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	

Su	01/01/2017	133	185	5	97	5,528		155	6	96	6,633	
M	01/02/2017	191	202	14	93	22,344		154	11	93	17,556	24
T	01/03/2017	212	196	14	93	24,729		130	10	92	17,663	
W	01/04/2017	139	208	8	96	9,266		144	6	96	6,950	19
Th	01/05/2017	136	151	6	96	6,811		154	7	95	7,947	
F	01/06/2017	145	181	9	95	10,866		142	6	96	7,244	
S	01/07/2017	143	212	7	97	8,320		150	7	95	8,320	
Su	01/08/2017	146	191	9	95	10,948		162	8	95	9,731	
M	01/09/2017	144	217	7	97	8,394		164	9	95	10,792	21
T	01/10/2017	182	274	23	92	34,994		196	15	92	22,822	
W	01/11/2017	189	199	19	90	29,966		138	14	90	22,080	29
Th	01/12/2017	143	171	8	95	9,536		123	6	95	7,152	
F	01/13/2017	137	207	7	97	7,983		154	6	96	6,842	
S	01/14/2017	145	253	8	97	9,672		172	7	96	8,463	
Su	01/15/2017	139	193	8	96	9,288		171	6	96	6,966	
M	01/16/2017	133	208	7	97	7,759		146	7	95	7,759	21
T	01/17/2017	193	220	22	90	35,498		162	16	90	25,817	
M	01/18/2017	138	184	6	97	6,902		139	6	96	6,902	18
Th	01/19/2017	135	207	5	98	5,624		182	6	97	6,748	
F	01/20/2017	154	210	9	96	11,577		135	8	94	10,290	
S	01/21/2017	136	191	6	97	6,795		145	6	96	6,795	
Su	01/22/2017	155	211	8	96	10,372		145	9	94	11,669	
M	01/23/2017	271	186	39	79	88,246		103	23	78	52,043	19
T	01/24/2017	175	147	11	93	16,078		117	7	94	10,232	
W	01/25/2017	135	234	6	97	6,762		170	6	96	6,762	17
Th	01/26/2017	132	182	5	97	5,520		143	6	96	6,624	
F	01/27/2017	127	175	6	97	6,362		142	6	96	6,362	14
S	01/28/2017	131	252	7	97	7,620		178	8	96	8,709	
Su	01/29/2017	129	180	6	97	6,464		159	8	95	8,618	
M	01/30/2017	124	138	5	96	5,177		153	7	95	7,247	
T	01/31/2017	123	157	5	97	5,137		178	7	96	7,192	

TOTAL AVERAGE	4,716 152	6,122 197	10	95	14,211	4,706 152	8	94	11,514	20
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Wk1	157	191	9	95	12,552	147	8	95	10,330
Wk2	155	216	12	95	15,927	158	9	94	12,555
Wk3	147	202	9	96	11,920	154	8	95	10,182
Wk4	161	198	12	94	20,137	143	9	93	14,628

MAX 271

CBOD 20 LBS-- 28,061

NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS-- <71,760

- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.



**PERMIT**  
**NEWPCP - JANUARY 2017**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)	
		EFFLUENT N	EFFLUENT S				
Su 01/01/2017	133	7.1	7.1	7.2	0.29	27	
M 01/02/2017	191	7.0	7.0	6.7	0.33	161	
T 01/03/2017	212	7.0	7.0	7.6	0.25	96	
W 01/04/2017	139	6.9	6.9	7.2	0.24	135	
Th 01/05/2017	136	7.1	7.0	6.8	0.21	94	
F 01/06/2017	145	7.1	7.1	6.3	0.22	126	
S 01/07/2017	143	7.0	7.0	6.3	0.24	11	
Su 01/08/2017	146	7.1	7.1	5.8	0.27	22	
M 01/09/2017	144	7.1	7.1	5.6	0.27	121	
T 01/10/2017	182	7.0	7.0	6.4	0.36	26	
W 01/11/2017	189	6.9	6.9	6.9	0.32	619	
Th 01/12/2017	143	6.9	6.9	7.3	0.29	73	
F 01/13/2017	137	6.9	6.9	6.6	0.24	63	
S 01/14/2017	145	7.0	7.0	6.8	0.28	10	
Su 01/15/2017	139	7.1	7.1	7.0	0.23	24	
M 01/16/2017	133	7.0	7.1	6.7	0.26	29	
T 01/17/2017	193	7.0	7.0	6.6	0.15	92	
M 01/18/2017	138	6.8	6.7	7.2	0.24	596	
Th 01/19/2017	135	7.0	6.9	6.2	0.23	148	
F 01/20/2017	154	6.9	6.9	5.8	0.31	25	
S 01/21/2017	136	7.0	7.0	5.3	0.28	8	
Su 01/22/2017	155	7.0	6.9	5.0	0.35	17	
M 01/23/2017	271	6.9	6.9	5.0	0.45	49	
T 01/24/2017	175	6.9	6.9	5.6	0.29	909	
W 01/25/2017	135	6.9	6.9	6.3	0.29	160	
Th 01/26/2017	132	6.9	6.9	6.1	0.36	23	
F 01/27/2017	127	7.0	7.0	6.8	0.22	102	
S 01/28/2017	131	7.0	7.0	6.7	0.28	9	
Su 01/29/2017	129	7.0	7.0	6.9	0.31	28	
M 01/30/2017	124	7.1	7.0	7.0	0.35	19	
T 01/31/2017	123	6.9	7.0	6.9	0.32	40	
TOTAL	4,716	MIN	MAX	MIN	AVG	AVG	MAX
AVERAGE	152	6.7	7.1	5.0	6.4	0.28	0.45
						GEOMETRIC	
						MEAN	55

Wk1 157  
Wk2 155  
Wk3 147  
Wk4 161

**MAX** 271

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - JANUARY 2017  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
01/01/2017	0.30	0.28	0.29	7.1	7.3	7.2	38	19	27
01/02/2017	0.39	0.27	0.33	6.6	6.8	6.7	66	397	161
01/03/2017	0.25	0.25	0.25	7.4	7.7	7.6	119	78	96
01/04/2017	0.25	0.22	0.24	7.1	7.3	7.2	152	120	135
01/05/2017	0.24	0.17	0.21	6.8	6.8	6.8	90	99	94
01/06/2017	0.19	0.24	0.22	6.1	6.5	6.3	96	165	126
01/07/2017	0.24	0.23	0.24	6.2	6.4	6.3	10	12	11
01/08/2017	0.29	0.25	0.27	5.3	6.2	5.8	20	24	22
01/09/2017	0.29	0.24	0.27	5.3	5.9	5.6	84	173	121
01/10/2017	0.25	0.46	0.36	6.0	6.8	6.4	93	7	26
01/11/2017	0.17	0.47	0.32	6.6	7.1	6.9	> 2,420	159	619
01/12/2017	0.27	0.31	0.29	7.1	7.4	7.3	194	27	73
01/13/2017	0.22	0.26	0.24	6.4	6.7	6.6	96	41	63
01/14/2017	0.31	0.24	0.28	6.6	7.0	6.8	6	16	10
01/15/2017	0.26	0.20	0.23	6.9	7.1	7.0	19	31	24
01/16/2017	0.30	0.21	0.26	6.6	6.8	6.7	20	42	29
01/17/2017	0.16	0.13	0.15	6.6	6.6	6.6	124	68	92
01/18/2017	0.25	0.23	0.24	6.9	7.4	7.2	727	488	596
01/19/2017	0.24	0.21	0.23	6.0	6.4	6.2	153	144	148
01/20/2017	0.31	0.30	0.31	5.5	6.1	5.8	36	18	25
01/21/2017	0.29	0.26	0.28	5.0	5.5	5.3	22	3	8
01/22/2017	0.34	0.35	0.35	4.6	5.3	5.0	27	11	17
01/23/2017	0.49	0.40	0.45	4.8	5.2	5.0	88	28	49
01/24/2017	0.27	0.30	0.29	5.5	5.6	5.6	1,203	687	909
01/25/2017	0.28	0.29	0.29	6.0	6.5	6.3	276	93	160
01/26/2017	0.39	0.32	0.36	5.9	6.3	6.1	19	29	23
01/27/2017	0.23	0.21	0.22	6.6	6.9	6.8	127	81	102
01/28/2017	0.28	0.28	0.28	6.4	6.9	6.7	6	12	9
01/29/2017	0.31	0.31	0.31	6.8	6.9	6.9	45	17	28
01/30/2017	0.35	0.35	0.35	7.2	6.7	7.0	11	33	19
01/31/2017	0.31	0.32	0.32	6.7	7.1	6.9	32	50	40
Avg	0.28	0.27	0.28	6.3	6.6	6.4	66	47	55

**PERMIT  
NEWPCP - JANUARY 2017**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
01/01/2017			
01/02/2017	123	21	83%
01/03/2017			
01/04/2017	142	9	94%
01/05/2017			
01/06/2017			
01/07/2017			
01/08/2017			
01/09/2017	163	13	92%
01/10/2017			
01/11/2017	139	23	83%
01/12/2017			
01/13/2017			
01/14/2017			
01/15/2017			
01/16/2017	142	11	92%
01/17/2017			
01/18/2017	131	9	93%
01/19/2017			
01/20/2017			
01/21/2017			
01/22/2017			
01/23/2017	107	39	64%
01/24/2017			
01/25/2017	157	10	94%
01/26/2017			
01/27/2017			
01/28/2017			
01/29/2017			
01/30/2017			
01/31/2017			
AVG	138	17	87%

DESIGN - 210 MGD

NEWPCP - JANUARY 2017						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
01/01/2017	42	63	28	133	254	
01/02/2017	60	91	41	191	363	0.40
01/03/2017	71	98	43	212	401	0.32
01/04/2017	42	69	28	139	169	0.01
01/05/2017	41	67	28	136	180	0.02
01/06/2017	43	75	27	145	190	0.06
01/07/2017	41	74	28	143	172	0.14
01/08/2017	42	75	29	146	183	
01/09/2017	41	74	28	144	177	
01/10/2017	58	89	36	182	429	
01/11/2017	60	90	39	189	389	0.37
01/12/2017	42	71	30	143	171	0.05
01/13/2017	41	67	28	137	163	T
01/14/2017	42	78	25	145	204	0.01
01/15/2017	43	74	22	139	180	
01/16/2017	43	68	22	133	169	
01/17/2017	70	87	37	193	394	0.15
01/18/2017	43	71	24	138	168	0.22
01/19/2017	42	66	27	135	171	
01/20/2017	50	75	29	154	284	0.16
01/21/2017	42	67	27	136	171	T
01/22/2017	49	75	31	155	293	0.17
01/23/2017	87	130	54	271	449	0.60
01/24/2017	47	98	31	175	263	0.17
01/25/2017	43	66	27	135	182	
01/26/2017	43	61	28	132	188	0.04
01/27/2017	42	58	27	127	153	
01/28/2017	43	61	27	131	175	T
01/29/2017	43	59	27	129	176	
01/30/2017	42	56	27	124	187	0.02
01/31/2017	42	55	27	123	156	
TOTAL	1,437	2,252	904	4,593		2.91
AVG	48	75	30	153		
		MIN		124	153	
		MAX		271	449	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>
PERMIT NUMBER

<b>001</b>
OUTFALL NUMBER

Reorting Frequency: **Monthly**  
 DMR Effective From: **01/01/2017**  
 DMR Effective To: **01/31/2017**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge? **No**

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2017	01	01	TO	2017	01	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	5.0	6.4	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.7	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	14211	20137	lbs/day	***	10	12	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	10.84	15.90	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.383	.455	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	.483	1.010	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	13.71	17.00	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.585	.887	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0023	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	<.0037	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0023	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0073	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.3037	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0573	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total	Sample Measurement	***	***	***	***	.0407	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	152	271	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.28	.45	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0023	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0023	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	55	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	11514	14628	lbs/day	***	8	9	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	28061	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	94	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	95	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
E-NPDES NE-201701.xls	Daily Effluent Monitoring Form	2017-02-27T14:36:11-05:00	
WW NPDES Weekly - NE (02-24-2017).pdf	Laboratory Accreditation Form	2017-02-27T14:43:31-05:00	
NE WET Testing Composite (02-24-2017).pdf	Laboratory Accreditation Form	2017-02-27T14:42:56-05:00	
NE Fecal Coliform Daily (02-24-2017).pdf	Laboratory Accreditation Form	2017-02-27T14:41:23-05:00	
NE Daily Grab (02-24-2017).pdf	Laboratory Accreditation Form	2017-02-27T14:40:51-05:00	
NE Daily Composite (02-24-2017).pdf	Laboratory Accreditation Form	2017-02-27T14:40:17-05:00	
BLSNE201701.xls	Nutrient Monitoring Form	2017-02-27T14:36:58-05:00	
201701SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-02-27T14:39:07-05:00	
NECSO 201701.xls	CSO Detailed Outfall Report Form	2017-02-27T14:38:14-05:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
			AREA CODE	NUMBER	2017	2	27
SENSSM		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES  
 Northeast Water Pollution Control Plant  
 NPDES SUMMARY FOR THE MONTH OF JANUARY 2017  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
01/04/2017	0.392	0.564	8.94	11.80	0.565
01/11/2017	0.385	0.283	13.20	17.00	0.761
01/18/2017	0.359	0.293	15.90	15.80	0.887
01/23/2017	0.385	0.291	6.24	15.20	0.542
01/25/2017	0.321	1.010	7.14	8.93	0.410
01/27/2017	0.455	0.458	13.60	13.50	0.347
<b>AVG</b>	0.383	0.483	10.84	13.71	0.585
<b>MAX</b>	0.455	1.010	15.90	17.00	0.887

**Cyanide and Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
01/23/2017	< 0.030
01/25/2017	< 0.030
01/27/2017	< 0.030
<b>AVG</b>	0.030

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	01/23/2017	01/25/2017	01/27/2017	AVG
Copper	0.0080	0.0070	0.0070	0.0073
Iron	0.3100	0.3930	0.2080	0.3037
Iron Dissolved	0.0680	0.0450	0.0590	0.0573
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	0.0420	0.0360	0.0440	0.0407

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	01/22/2017	01/23/2017	01/24/2017	01/25/2017	01/26/2017	01/27/2017	AVG
1,2-Dichloroethane	< 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0023
3,3-Dichlorobenzidine		< 0.0050		< 0.0050		< 0.0050	0.0050
alpha-BHC		< 0.000081		< 0.000080		< 0.000081	< 0.000081
Benzidine		< 0.0570		< 0.0560		< 0.0570	< 0.0567
Beta-BHC		< 0.000081		< 0.000080		< 0.000081	< 0.000081
Chlordane		< 0.0004		< 0.0004		< 0.000405	< 0.000405
Chloroform	0.0040	< 0.0050	< 0.0050	< 0.0010	< 0.0040	0.0030	< 0.0037
Chlorodibromomethane	< 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0023
Dieldrin		< 0.0000160		< 0.0000160		< 0.0000160	< 0.0000160
Endrin		< 0.0000160		< 0.0000160		< 0.0000160	< 0.0000160
Heptachlor		< 0.0000100		< 0.0000080		< 0.0000090	< 0.0000090
p,p'-DDD		< 0.0000160		< 0.0000160		< 0.0000160	< 0.0000160
p,p'-DDE		< 0.0000160		< 0.0000160		< 0.0000160	< 0.0000160
p,p'-DDT		< 0.0000160		< 0.0000160		< 0.0000160	< 0.0000160
Lindane(Gamma-BHC)		< 0.0000080		< 0.0000080		< 0.0000080	< 0.0000080
Tetrachloroethylene	< 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0023
Trichloroethylene	< 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0023



**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
JANUARY 2017	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	Biosolids Recycle Center / Synagro From NEWPCP	Biosolids Recycle Center / Synagro From SWWPCP		Biosolids Recycle Center / Synagro From SWWPCP	Biosolids Recycle Center / Synagro From SWWPCP	
	MGD	MGD		MGD	MGD	
01/01/2017	0.949	1.169	109	0.967	0.942	79.3
01/02/2017	0.942	1.139	112	1.268	1.096	72.4
01/03/2017	0.952	0.792	73	0.917	1.086	75.1
01/04/2017	0.945	1.038	107	0.347	0.424	30.9
01/05/2017	0.000	0.214	18	2.556	2.208	162.8
01/06/2017	0.884	0.903	74	1.408	1.707	154.3
01/07/2017	0.953	0.755	79	0.888	0.807	76.6
01/08/2017	0.000	0.185	17	1.231	1.103	98.7
01/09/2017	0.923	0.296	27	0.385	0.753	67.3
01/10/2017	0.957	0.856	87	0.675	0.675	55.5
01/11/2017	0.943	1.079	106	1.281	0.969	74.5
01/12/2017	0.000	0.475	52	1.353	1.536	125.8
01/13/2017	0.951	0.596	48	1.899	1.928	147.9
01/14/2017	0.927	1.456	199	1.024	1.010	80.7
01/15/2017	0.948	0.939	101	1.577	1.745	146.4
01/16/2017	0.947	0.577	51	1.015	0.910	91.4
01/17/2017	0.901	0.390	29	0.479	0.611	47.0
01/18/2017	0.000	0.735	56	0.463	0.083	5.5
01/19/2017	0.920	0.746	52	0.998	1.026	72.8
01/20/2017	0.908	0.726	74	1.038	1.206	97.8
01/21/2017	0.000	0.416	36	1.578	1.339	105.0
01/22/2017	0.938	0.714	69	0.975	0.998	93.1
01/23/2017	0.885	0.497	48	0.547	0.978	81.8
01/24/2017	0.869	1.247	130	2.080	1.802	152.9
01/25/2017	0.932	0.641	50	1.579	1.521	110.4
01/26/2017	0.908	1.072	98	0.263	0.602	44.4
01/27/2017	0.000	0.416	39	1.866	1.467	112.0
01/28/2017	0.000	0.000	0	1.763	1.953	151.4
01/29/2017	1.807	0.980	93	1.002	1.075	139.4
01/30/2017	0.908	1.292	123	1.045	0.956	100.8
01/31/2017	0.971	0.797	104	1.056	0.925	87.1
<b>TOTAL</b>	23.171	23.139	2,262	35.522	35.440	2,941
<b>AVERAGE</b>	0.747	0.746	73	1.146	1.143	95

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

WW NPDES Weekly - NE

Report Date: 02/21/2017

WW170118-025

Composite 24h 01/18/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500-Norg D	2/1/2017	14:45	2/3/2017	15:08	15.8	mg/L as N	1	mg/L as N

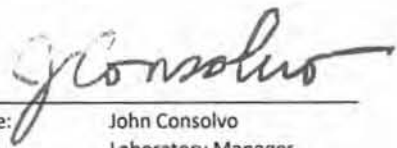
Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 120%. Acceptance limits are 90 to 110%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 2/21/2017

NE WET Testing Composite

Report Date: 02/21/2017

WW170123-025

Composite 24h 01/23/2017 00:59

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,1,1-Trichloroethane <sup>B,D</sup>	EPA 624			1/27/2017	6:34	<5 <sup>E</sup>	µg/L	5	µg/L
1,1-Dichloroethane <sup>B,D</sup>	EPA 624			1/27/2017	6:34	<5 <sup>E</sup>	µg/L	5	µg/L
1,1-Dichloroethene <sup>B,D</sup>	EPA 624			1/27/2017	6:34	<5 <sup>E</sup>	µg/L	5	µg/L
2,4-Dimethylphenol <sup>B,D</sup>	EPA 625	1/28/2017	9:30	1/30/2017	13:09	<5 <sup>E</sup>	µg/L	5	µg/L
4,4'-DDD <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
4,4'-DDE <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Aldrin <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
alpha-BHC <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Benzene <sup>B,D</sup>	EPA 624			1/27/2017	6:34	<5 <sup>E</sup>	µg/L	5	µg/L
beta-BHC <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Bromomethane <sup>B,D</sup>	EPA 624			1/27/2017	6:34	<5 <sup>E</sup>	µg/L	5	µg/L
Chlordane <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.41 <sup>E</sup>	µg/L	0.41	µg/L
Chloroform <sup>B,D</sup>	EPA 624			1/27/2017	6:34	<5 <sup>E</sup>	µg/L	5	µg/L
Chloromethane <sup>B,D</sup>	EPA 624			1/27/2017	6:34	<5 <sup>E</sup>	µg/L	5	µg/L
delta-BHC <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Dieldrin <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endosulfan I <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Endosulfan II <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endosulfan sulfate <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endrin <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.081 <sup>E</sup>	µg/L	0.081	µg/L
gamma-BHC <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	0.01 <sup>E</sup>	µg/L	0.0081	µg/L
Heptachlor <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	0.01 <sup>E</sup>	µg/L	0.0081	µg/L
Heptachlor epoxide <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Nitrate	EPA 300.0 rev 2.1			1/23/2017	16:34	0.291	mg/L as N	0.25	mg/L as N

TKN	SM 4500-Norg D	2/1/2017	14:45	2/3/2017	15:15	15.2	mg/L as N	1	mg/L as N
Toxaphene <sup>B,D</sup>	EPA 608	1/24/2017	16:30	1/30/2017	6:06	<0.81 <sup>E</sup>	µg/L	0.81	µg/L
trans-1,2-Dichloroethene <sup>B,D</sup>	EPA 624			1/27/2017	6:34	<5 <sup>E</sup>	µg/L	5	µg/L
Vinyl chloride <sup>B,D</sup>	EPA 624			1/27/2017	6:34	<5 <sup>E</sup>	µg/L	5	µg/L

Data Qualifiers:

1,1,1-Trichloroethane	The Laboratory Fortified Matrix recovery is 123%. Acceptance ranges are 72 - 120%.
1,1-Dichloroethane	The Laboratory Fortified Matrix recovery are 124% and 128%. Acceptance ranges are 75 - 123%.
1,1-Dichloroethene	The Laboratory Fortified Matrix recovery are 123% and 125%. Acceptance ranges are 69 - 122%.
2,4-Dimethylphenol	The recovery of the LCS is 68%, which is outside the acceptance limits of 72-110%, but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD standards. Laboratory Fortified Matrix (LFM) recovery is 69% and the duplicate is 71%. Acceptance limits are 72-110%.
4,4'-DDD	The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) duplicate recovery is 147%. Acceptance limits are 53-131%.
4,4'-DDE	The recovery of the LCS is 44%, which is outside the acceptance limits of 51-129%. The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) duplicate recovery is 140%. Acceptance limits are 51-129%.
4,4'-DDT	The recovery of the LCS is 27%, which is outside the acceptance limits of 42-136%. The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) duplicate recovery is 141%. Acceptance limits are 42-136%.
Aldrin	The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
alpha-BHC	The recovery of the LCS is 43%, which is outside the acceptance limits of 47-132%. The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
Benzene	The Laboratory Fortified Matrix recovery is 121%. Acceptance ranges are 80 - 120%.
beta-BHC	The recovery of the LCS is 42%, which is outside the acceptance limits of 56-125%. The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
Bromomethane	The Laboratory Fortified Matrix recovery is 122%. Acceptance ranges are 69 - 120%.

Chlordane	The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
Chloroform	The Laboratory Fortified Matrix recovery are 122% and 127%. Acceptance ranges are 80 - 120%.
Chloromethane	The Laboratory Fortified Matrix recovery is 121%. Acceptance ranges are 64 - 120%.
delta-BHC	The recovery of the LCS is 43%, which is outside the acceptance limits of 57-131%. The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) duplicate recovery is 135%. Acceptance limits are 57-131%.
Dieldrin	The recovery of the LCS is 41%, which is outside the acceptance limits of 54-126%. The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) duplicate recovery is 141%. Acceptance limits are 54-126%.
Endosulfan I	The recovery of the LCS is 40%, which is outside the acceptance limits of 51-118%. The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) duplicate recovery is 132%. Acceptance limits are 51-118%.
Endosulfan II	The recovery of the LCS is 40%, which is outside the acceptance limits of 54-124%. The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) duplicate recovery is 135%. Acceptance limits are 54-124%.
Endosulfan sulfate	The recovery of the LCS is 39%, which is outside the acceptance limits of 41-133%. The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) duplicate recovery is 136%. Acceptance limits are 41-133%.
Endrin	The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
Endrin aldehyde	The recovery of the LCS is 37%, which is outside the acceptance limits of 40-135%. The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
gamma-BHC	The recovery of the LCS is 42%, which is outside the acceptance limits of 51-132%. The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.

Heptachlor	The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) recovery is 119% and the duplicate is 141%. Acceptance limits are 38-111%.
Heptachlor epoxide	The recovery of the LCS is 42%, which is outside the acceptance limits of 56-132%. The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) duplicate recovery is 133%. Acceptance limits are 56-132%.
Nitrate	Laboratory Fortified Matrix (LFM) recovery is 89.6%. Acceptance limits are 90 to 110%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 120%. Acceptance limits are 90 to 110%.
Toxaphene	The recovery of the surrogates: Decachlorobiphenyl is 24% in the blank and 21% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 25% in the blank, which is outside the acceptance limits of 29-129%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
trans-1,2-Dichloroethene	The Laboratory Fortified Matrix recovery is 127%. Acceptance ranges are 80 - 125%.
Vinyl chloride	The Laboratory Fortified Matrix recovery is 125%. Acceptance ranges are 68 - 120%.

WW170125-025

Composite 24h 01/25/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,1,1-Trichloroethane <sup>B,D</sup>	EPA 624			2/8/2017	2:56	<1 <sup>E</sup>	µg/L	1	µg/L
1,1-Dichloroethane <sup>B,D</sup>	EPA 624			2/8/2017	2:56	<1 <sup>E</sup>	µg/L	1	µg/L
1,1-Dichloroethene <sup>B,D</sup>	EPA 624			2/8/2017	2:56	<1 <sup>E</sup>	µg/L	1	µg/L
2,4-Dimethylphenol <sup>B,D</sup>	EPA 625	1/30/2017	21:30	1/31/2017	12:24	<5 <sup>E</sup>	µg/L	5	µg/L
3,3'-Dichlorobenzidine <sup>B,D</sup>	EPA 625	1/30/2017	21:30	1/31/2017	12:24	<5 <sup>E</sup>	µg/L	5	µg/L
4,4'-DDD <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
4,4'-DDE <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Aldrin <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.0080 <sup>E</sup>	µg/L	0.0080	µg/L
alpha-BHC <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.0080 <sup>E</sup>	µg/L	0.0080	µg/L
Benzene <sup>B,D</sup>	EPA 624			2/8/2017	2:56	<1 <sup>E</sup>	µg/L	1	µg/L
beta-BHC <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017 2-24-17	17:57	<0.0080 <sup>E</sup>	µg/L	0.0080	µg/L
Bromomethane <sup>B,D</sup>	EPA 624			2/8/2017	2:56	<1 <sup>E</sup>	µg/L	1	µg/L
CBOD5	SM 5210 B	1/25/2017	13:15	1/30/2017	9:40	7.56	mg/L	2	mg/L
Chlordane <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.40 <sup>E</sup>	µg/L	0.4	µg/L
Chloroform <sup>B,D</sup>	EPA 624			2/8/2017	2:56	<1 <sup>E</sup>	µg/L	1	µg/L

Chloromethane <sup>B,D</sup>	EPA 624			2/8/2017	2:56	<1 <sup>E</sup>	µg/L	1	µg/L
delta-BHC <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.0080 <sup>E</sup>	µg/L	0.0080	µg/L
Dieldrin <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Dimethyl phthalate <sup>B,D</sup>	EPA 625	1/30/2017	21:30	1/31/2017	12:24	<5 <sup>E</sup>	µg/L	5	µg/L
Endosulfan I <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.0080 <sup>E</sup>	µg/L	0.0080	µg/L
Endosulfan II <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endosulfan sulfate <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endrin <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.080 <sup>E</sup>	µg/L	0.08	µg/L
gamma-BHC <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.0080 <sup>E</sup>	µg/L	0.0080	µg/L
Heptachlor <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.0080 <sup>E</sup>	µg/L	0.0080	µg/L
Heptachlor epoxide <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.0080 <sup>E</sup>	µg/L	0.0080	µg/L
TKN	SM 4500-Norg D	2/1/2017	14:45	2/3/2017	15:16	8.93	mg/L as N	1	mg/L as N
Toxaphene <sup>B,D</sup>	EPA 608	1/29/2017	15:00	1/30/2017	17:57	<0.80 <sup>E</sup>	µg/L	0.08	µg/L
trans-1,2-Dichloroethene <sup>B,D</sup>	EPA 624			2/8/2017	2:56	<1 <sup>E</sup>	µg/L	1	µg/L
Vinyl chloride <sup>B,D</sup>	EPA 624			2/8/2017	2:56	<1 <sup>E</sup>	µg/L	1	µg/L

Data Qualifiers:

1,1,1-Trichloroethane	The Laboratory Fortified Matrix recovery are 123%. Acceptance ranges are 72 - 120%.
1,1-Dichloroethane	The Laboratory Fortified Matrix recovery are 124 and 128%. Acceptance ranges are 75 - 123%.
1,1-Dichloroethene	The Laboratory Fortified Matrix recovery are 123 and 125%. Acceptance ranges are 69 - 122%.
2,4-Dimethylphenol	The recovery of the LCS is 67% and the LCSD is 67%, which are outside the acceptance limits of 72-110%. Sufficient sample was not available to repeat the analysis.
3,3'-Dichlorobenzidine	The Relative Percent Difference (RPD) between the sample and sample duplicate is 43%. The maximum acceptable RPD is 30%. The measured results were 25 and 39 ug/L. Sufficient sample was not available to repeat the analysis.
4,4'-DDD	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. The Relative Percent Difference (RPD) between the sample and sample duplicate is 50%. The maximum acceptable RPD is 30%. The measured results were 64 and 104 ug/L.
4,4'-DDE	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) recovery is 50%. Acceptance limits are 51-129%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 56%. The maximum acceptable RPD is 30%. The measured results were 50 and 87 ug/L.
4,4'-DDT	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) recovery is 33%. Acceptance limits are 42-136%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 65%. The maximum acceptable RPD is 30%. The measured results were 33 and 63 ug/L.

Aldrin	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. The Relative Percent Difference (RPD) between the sample and sample duplicate is 46%. The maximum acceptable RPD is 30%. The measured results were 53 and 83 ug/L.
alpha-BHC	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. The Relative Percent Difference (RPD) between the sample and sample duplicate is 33%. The maximum acceptable RPD is 30%. The measured results were 59 and 81 ug/L.
Benzene	The Laboratory Fortified Matrix recovery is 121%. Acceptance ranges are 80 - 120%.
beta-BHC	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. The Relative Percent Difference (RPD) between the sample and sample duplicate is 36%. The maximum acceptable RPD is 30%. The measured results were 61 and 86 ug/L.
Bromomethane	The Laboratory Fortified Matrix recovery is 122%. Acceptance ranges are 69 - 120%.
CBOD5	LFB recovery is 160.00 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
Chlordane	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
Chloroform	The Laboratory Fortified Matrix recovery are 122 and 127%. Acceptance ranges are 80 - 120%.
Chloromethane	The Laboratory Fortified Matrix recovery are 121%. Acceptance ranges are 64 - 120%.
delta-BHC	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. The Relative Percent Difference (RPD) between the sample and sample duplicate is 38%. The maximum acceptable RPD is 30%. The measured results were 62 and 89 ug/L.
Dieldrin	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. The Relative Percent Difference (RPD) between the sample and sample duplicate is 51%. The maximum acceptable RPD is 30%. The measured results were 54 and 88 ug/L.
Dimethyl phthalate	The recovery of the LCS is 26% and the LCSD is 28%, which are outside the acceptance limits of 33-112%. Sufficient sample was not available to repeat the analysis.
Endosulfan I	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. The Relative Percent Difference (RPD) between the sample and sample duplicate is 52%. The maximum acceptable RPD is 30%. The measured results were 51 and 84 ug/L.
Endosulfan II	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. Laboratory Fortified Matrix (LFM) recovery is 52%. Acceptance limits are 54-124%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 49%. The maximum acceptable RPD is 30%. The measured results were 52 and 83 ug/L.



Endosulfan sulfate	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. The Relative Percent Difference (RPD) between the sample and sample duplicate is 49%. The maximum acceptable RPD is 30%. The measured results were 55 and 88 ug/L.
Endrin	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. The Relative Percent Difference (RPD) between the sample and sample duplicate is 50%. The maximum acceptable RPD is 30%. The measured results were 54 and 87 ug/L.
Endrin aldehyde	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. The Relative Percent Difference (RPD) between the sample and sample duplicate is 55%. The maximum acceptable RPD is 30%. The measured results were 63 and 109 ug/L.
gamma-BHC	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. The Relative Percent Difference (RPD) between the sample and sample duplicate is 37%. The maximum acceptable RPD is 30%. The measured results were 62 and 87 ug/L.
Heptachlor	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. The Relative Percent Difference (RPD) between the sample and sample duplicate is 45%. The maximum acceptable RPD is 30%. The measured results were 54 and 83 ug/L.
Heptachlor epoxide	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials. The Relative Percent Difference (RPD) between the sample and sample duplicate is 43%. The maximum acceptable RPD is 30%. The measured results were 58 and 88 ug/L.
TKN	Laboratory Fortified Matrix (LFM) recovery is 120%. Acceptance limits are 90 to 110%.
Toxaphene	The recovery of the surrogates: Decachlorobiphenyl is 29% in the sample and 22% in the MS, which is outside the acceptance limits of 32-149%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the first trial. Similar results obtained in both trials.
trans-1,2-Dichloroethene	The Laboratory Fortified Matrix recovery are 127%. Acceptance ranges are 60 - 125%.
Vinyl chloride	The Laboratory Fortified Matrix recovery are 125%. Acceptance ranges are 68 - 120%.

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Composite 24h 01/27/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,2,4-Trichlorobenzene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
1,2-Diphenylhydrazine <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
2,4,6-Trichlorophenol <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
2,4-Dichlorophenol <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
2,4-Dimethylphenol <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L

2,4-Dinitrophenol <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<38 <sup>E</sup>	µg/L	38	µg/L
2,4-Dinitrotoluene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
2,6-Dinitrotoluene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
2-Chloronaphthalene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
2-Chlorophenol <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
2-Nitrophenol <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
3,3'-Dichlorobenzidine <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
4,4'-DDD <sup>B,D</sup>	EPA 608	2/1/2017	21:20	2/18/2017	2:09	<0.019 <sup>E</sup>	µg/L	0.019	µg/L
4,4'-DDE <sup>B,D</sup>	EPA 608	2/1/2017	21:20	2/18/2017	2:09	<0.019 <sup>E</sup>	µg/L	0.019	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608	2/1/2017	21:20	2/18/2017	2:09	<0.019 <sup>E</sup>	µg/L	0.019	µg/L
4,6-Dinitro-o-cresol <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<14 <sup>E</sup>	µg/L	14	µg/L
4-Bromophenyl phenyl ether <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
4-Chlorophenyl phenyl ether <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
4-Nitrophenol <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<14 <sup>E</sup>	µg/L	14	µg/L
Acenaphthene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Acenaphthylene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Aldrin <sup>B,D</sup>	EPA 608	2/1/2017	21:20	2/18/2017	2:09	<0.0094 <sup>E</sup>	µg/L	0.0094	µg/L
Anthracene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Benzidine <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<57 <sup>E</sup>	µg/L	57	µg/L
Benzo(a)anthracene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Benzo(a)pyrene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Benzo(b)fluoranthene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Benzo(ghi)perylene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Benzo(k)fluoranthene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
bis(2-Chloroethoxy)methane <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
bis(2-Chloroethyl) ether <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
bis(2-Chloroisopropyl) ether <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
bis(2-Ethylhexyl) phthalate <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	6.00 <sup>E</sup>	µg/L	5	µg/L
Butyl benzyl phthalate <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Chrysene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Di-n-butyl phthalate <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Di-n-octyl phthalate <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Dibenzo(a,h)anthracene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L

Dieldrin <sup>B,D</sup>	EPA 608	2/1/2017	21:20	2/18/2017	2:09	<0.019 <sup>E</sup>	µg/L	0.019	µg/L
Diethyl phthalate <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Dimethyl phthalate <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Endosulfan I <sup>B,D</sup>	EPA 608	2/1/2017	21:20	2/18/2017	2:09	<0.0094 <sup>E</sup>	µg/L	0.0094	µg/L
Endosulfan II <sup>B,D</sup>	EPA 608	2/1/2017	21:20	2/18/2017	2:09	<0.019 <sup>E</sup>	µg/L	0.019	µg/L
Endosulfan sulfate <sup>B,D</sup>	EPA 608	2/1/2017	21:20	2/18/2017	2:09	<0.019 <sup>E</sup>	µg/L	0.019	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608	2/1/2017	21:20	2/18/2017	2:09	<0.094 <sup>E</sup>	µg/L	0.094	µg/L
Fluoranthene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Fluorene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Heptachlor <sup>B,D</sup>	EPA 608	2/1/2017	21:20	2/18/2017	2:09	<0.0094 <sup>E</sup>	µg/L	0.0094	µg/L
Heptachlor epoxide <sup>B,D</sup>	EPA 608	2/1/2017	21:20	2/18/2017	2:09	<0.0094 <sup>E</sup>	µg/L	0.0094	µg/L
Hexachlorobenzene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Hexachlorobutadiene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<14 <sup>E</sup>	µg/L	14	µg/L
Hexachloroethane <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Indeno(1,2,3-cd)pyrene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Isophorone <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
N-Nitrosodi-n-propylamine <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
N-Nitrosodimethylamine <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
N-Nitrosodiphenylamine <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Nitrobenzene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
p-Chloro-m-cresol <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Pentachlorophenol <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<14 <sup>E</sup>	µg/L	14	µg/L
Phenanthrene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Phenol <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
Pyrene <sup>B,D</sup>	EPA 625	2/1/2017	17:00	2/2/2017	11:52	<5 <sup>E</sup>	µg/L	5	µg/L
TKN	SM 4500-Norg D	2/1/2017	14:45	2/3/2017	15:20	13.5	mg/L as N	1	mg/L as N

Data Qualifiers:

1,2,4-Trichlorobenzene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
1,2-Diphenylhydrazine	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.

2,4,6-Trichlorophenol	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%. Laboratory Fortified Matrix (LFM) recovery is 7% and the duplicate is 10%. Acceptance limits are 83-120%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 39%. The maximum acceptable RPD is 30%.
2,4-Dichlorophenol	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%. Laboratory Fortified Matrix (LFM) recovery is 5% and the duplicate is 5%. Acceptance limits are 79-114%.
2,4-Dimethylphenol	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%. Laboratory Fortified Matrix (LFM) recovery is 65% and the duplicate is 62%. Acceptance limits are 72-110%.
2,4-Dinitrophenol	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
2,4-Dinitrotoluene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
2,6-Dinitrotoluene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
2-Chloronaphthalene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%. Laboratory Fortified Matrix (LFM) recovery is 127% and the duplicate is 125%. Acceptance limits are 60-118%.
2-Chlorophenol	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%. Laboratory Fortified Matrix (LFM) recovery is 3% and the duplicate is 4%. Acceptance limits are 69-117%.
2-Nitrophenol	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%. Laboratory Fortified Matrix (LFM) recovery is 32% and the duplicate is 42%. Acceptance limits are 83-109%.
3,3'-Dichlorobenzidine	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
4,4'-DDD	The recovery of the LCSd is 135%, which is outside the acceptance limits of 53-131%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 38%. The maximum acceptable RPD is 30%. The measured results were 92 and 135 ug/L.
4,4'-DDE	The Relative Percent Difference (RPD) between the sample and sample duplicate is 34%. The maximum acceptable RPD is 30%. The measured results were 86 and 121 ug/L.
4,4'-DDT	The Relative Percent Difference (RPD) between the sample and sample duplicate is 42%. The maximum acceptable RPD is 30%. The measured results were 64 and 98 ug/L.
4,6-Dinitro-o-cresol	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.



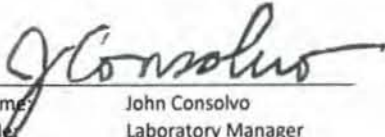
bis(2-Ethylhexyl) phthalate	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Butyl benzyl phthalate	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Chrysene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Di-n-butyl phthalate	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Di-n-octyl phthalate	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Dibenzo(a,h)anthracene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Dieldrin	The Relative Percent Difference (RPD) between the sample and sample duplicate is 33%. The maximum acceptable RPD is 30%. The measured results were 76 and 106 ug/L.
Diethyl phthalate	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Dimethyl phthalate	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Endosulfan I	The Relative Percent Difference (RPD) between the sample and sample duplicate is 38%. The maximum acceptable RPD is 30%. The measured results were 74 and 110 ug/L.
Endosulfan II	The Relative Percent Difference (RPD) between the sample and sample duplicate is 45%. The maximum acceptable RPD is 30%. The measured results were 63 and 99 ug/L.
Endosulfan sulfate	The Relative Percent Difference (RPD) between the sample and sample duplicate is 45%. The maximum acceptable RPD is 30%. The measured results were 61 and 97 ug/L.
Endrin aldehyde	The Relative Percent Difference (RPD) between the sample and sample duplicate is 46%. The maximum acceptable RPD is 30%. The measured results were 62 and 100 ug/L.
Fluoranthene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Fluorene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Heptachlor	The Relative Percent Difference (RPD) between the sample and sample duplicate is 33%. The maximum acceptable RPD is 30%. The measured results were 77 and 107 ug/L.
Heptachlor epoxide	The Relative Percent Difference (RPD) between the sample and sample duplicate is 34%. The maximum acceptable RPD is 30%. The measured results were 78 and 110 ug/L.

Hexachlorobenzene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Hexachlorobutadiene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Hexachlorocyclopentadiene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Hexachloroethane	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Indeno(1,2,3-cd)pyrene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Isophorone	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
N-Nitrosodi-n-propylamine	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
N-Nitrosodimethylamine	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
N-Nitrosodiphenylamine	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Nitrobenzene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
p-Chloro-m-cresol	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%. Laboratory Fortified Matrix (LFM) recovery is 31% and the duplicate is 31%. Acceptance limits are 72-116%.
Pentachlorophenol	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%. Laboratory Fortified Matrix (LFM) recovery is 10% and the duplicate is 15%. Acceptance limits are 57-116%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 40%. The maximum acceptable RPD is 30%. The recovery of the LCS is 52%, which is outside the acceptance limits of 57-116%, but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD standards.
Phenanthrene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.
Phenol	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%. Laboratory Fortified Matrix (LFM) recovery is 43% and the duplicate is 48%. Acceptance limits are 74-120%.
Pyrene	The recoveries of some of the surrogates were outside the acceptance limits. Phenol-d6 is 6% in the ms and msd which is outside the acceptance limits of 10-75%. 2-Fluorophenol is 4% in the ms and msd which is outside the acceptance limits of 10-105%. 2-Fluorophenol is 7% in the ms which is outside the acceptance limits of 11-154%.

## Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 2/23/2017



Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Fecal Coliform Daily

Report Date: 02/21/2017

WW170121-019

Grab 01/21/2017 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			1/22/2017	7:55	22.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria value 0.523 exceeded. The measured PCV 0.613 results were 1.0 MP/mL and 4.1 MPN/mL.
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WW170121-020

Grab 01/21/2017 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			1/22/2017	7:55	3.1	MPN/100 mL	<1	MPN/100 mL

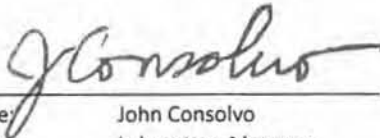
Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria value 0.523 exceeded. The measured PCV 0.613 results were 1.0 MP/mL and 4.1 MPN/mL.
---	--

Legend

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Authorized by:  
 Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 2/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report Date: 02/21/2017

WW170112-005

Grab 01/12/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G	1/12/2017	9:26	1/12/2017	9:28	0.27	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 25%. The maximum acceptable RPD is 15%. The measured results were 0.08 and 0.10 mg/l.
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WW170112-006

Grab 01/12/2017 06:00

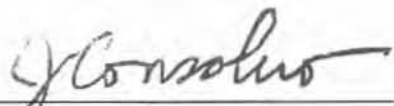
Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G	1/12/2017	9:26	1/12/2017	9:28	0.31	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 25%. The maximum acceptable RPD is 15%. The measured results were 0.08 and 0.10 mg/l.
-------------------------	--

Legend

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- E - Analytical results from a contract laboratory.

Authorized by:   
 Signature: \_\_\_\_\_  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 2/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite

Report Date: 02/21/2017

WW170108-004

Composite 01/08/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/9/2017	8:00	1/9/2017	10:00	9	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW170117-004

Composite 01/17/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/18/2017	7:47	1/18/2017	9:50	22	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW170119-004

Composite 01/19/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/20/2017	10:40	1/25/2017	6:50	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%.
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WW170127-004

Composite 01/27/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/28/2017	11:25	2/2/2017	6:55	6	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	1/28/2017	7:58	1/28/2017	10:40	6	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in four blanks was 0.26, 0.23, 0.23, and 0.22 mg/l. The maximum acceptable concentration in the blank is 0.20 mg/l.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.

WW170129-004

Composite 01/29/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/30/2017	7:42	1/30/2017	10:12	6	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW170131-004

Composite 01/31/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	2/1/2017	8:10	2/1/2017	9:42	6	mg/L	2.5	mg/L

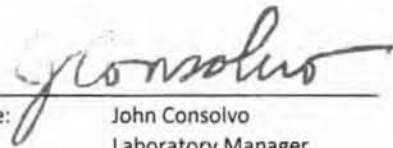
Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 75%. Acceptance limits are 85 to 115%.
------------------------	--

Legend

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- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 2/21/2017



Debra A. McCarty, Water Commissioner

March 28, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for February 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 02/01/2017-02/28/2017

**Report Due Date:** 03/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 49344

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for February 2017

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

**PA0026689**  
 PERMIT NUMBER

**001**  
 OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **02/01/2017**  
 DMR Effective To: **02/28/2017**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge? **No**

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2017	02	01	TO	2017	02	28

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	4.5	6.0	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.8	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAx		Grab	1/day
Total Suspended Solids	Sample Measurement	9640	12725	lbs/day	***	8	9	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	13.90	14.30	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.327	.409	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	.337	.442	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	15.28	16.10	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.585	.713	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0080	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.3700	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0820	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total	Sample Measurement	***	***	***	***	.0430	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	138	202	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.33	.59	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	57	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	10502	12422	lbs/day	***	9	10	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	24883	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***	***	***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	95	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	96	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
NE Daily Composite (03-21-2017).pdf	Laboratory Accreditation Form	2017-03-24T14:46:13-04:00	
NE Daily Grab (03-21-2017).pdf	Laboratory Accreditation Form	2017-03-24T14:47:14-04:00	
WW NPDES Weekly - NE (03-21-2017).pdf	Laboratory Accreditation Form	2017-03-24T14:48:58-04:00	
NE Daily Composite 2 (03-21-2017).pdf	Laboratory Accreditation Form	2017-03-24T14:46:45-04:00	
NE Fecal Coliform Daily (03-21-2017).pdf	Laboratory Accreditation Form	2017-03-24T14:47:43-04:00	
NE Outfall Monthly Composite (03-21-2017).pdf	Laboratory Accreditation Form	2017-03-24T14:48:28-04:00	
201702SL.xls Feb 17.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-03-27T15:21:02-04:00	
E-NPDES NE-201702.xls	Daily Effluent Monitoring Form	2017-03-24T14:44:43-04:00	
BLSNE201702.xls	Nutrient Monitoring Form	2017-03-24T14:45:12-04:00	
NECSO 201702.xls	CSO Detailed Outfall Report Form	2017-03-24T14:45:39-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
			AREA CODE	NUMBER	2017	3	27
SENSSM		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

# PERMIT NEWPCP - FEBRUARY 2017 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 LBS*** (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	

Su	01/29/2017	129	180	6	97	6,464	159	8	95	8,618	
M	01/30/2017	124	138	5	96	5,177	153	7	95	7,247	
T	01/31/2017	123	157	5	97	5,137	178	7	96	7,192	
W	02/01/2017	128	215	6	97	6,426	163	6	96	6,426	17
Th	02/02/2017	128	221	5	98	5,348	184	6	97	6,417	
F	02/03/2017	126	193	6	97	6,314	141	6	96	6,314	18
S	02/04/2017	130	202	6	97	6,521	176	8	95	8,694	
Su	02/05/2017	133	201	6	97	6,667	188	7	96	7,779	
M	02/06/2017	130	219	6	97	6,522	150	8	95	8,696	20
T	02/07/2017	153	309	10	97	12,769	206	14	93	17,876	
W	02/08/2017	141	222	7	97	8,256	202	8	96	9,435	27
Th	02/09/2017	202	141	17	88	28,644	133	12	91	20,219	
F	02/10/2017	135	172	6	97	6,779	150	9	94	10,168	
S	02/11/2017	138	190	7	96	8,084	167	7	96	8,084	
Su	02/12/2017	166	188	13	93	18,023	139	9	94	12,477	
M	02/13/2017	132	200	9	96	9,924	171	8	95	8,821	20
T	02/14/2017	131	220	7	97	7,662	164	7	96	7,662	
W	02/15/2017	132	217	9	96	9,943	169	9	95	9,943	22
Th	02/16/2017	131	222	9	96	9,834	171	9	95	9,834	
F	02/17/2017	129	202	13	94	13,945	177	11	94	11,800	
S	02/18/2017	133	198	8	96	8,890	149	11	93	12,224	
Su	02/19/2017	136	196	9	95	10,227	172	11	94	12,500	
M	02/20/2017	137	225	8	96	9,109	153	10	93	11,386	28
T	02/21/2017	133	217	10	95	11,080	178	11	94	12,188	
M	02/22/2017	134	215	9	96	10,033	169	11	93	12,262	27
Th	02/23/2017	125	228	7	97	7,310	195	7	96	7,310	
F	02/24/2017	124	217	5	98	5,179	173	7	96	7,250	
S	02/25/2017	178	251	12	95	17,788	159	17	89	25,200	
Su	02/26/2017	132	201	5	98	5,498	151	6	96	6,598	
M	02/27/2017	129	189	6	97	6,454	159	6	96	6,454	
T	02/28/2017	134	202	6	97	6,685	153	9	94	10,028	

TOTAL	3,863	5,873	227	2689		4,662	250	2648	294,045	
AVERAGE	138	210	8	96	9,640	167	9	95	10,502	22

Wk1	127	190	6	97	5,941	169	7	96	7,153
Wk2	148	206	9	95	12,725	164	10	94	12,422
Wk3	136	208	9	96	10,061	168	9	94	10,398
Wk4	138	222	8	96	9,428	168	10	94	11,742

MAX 202

CBOD 20 LBS-- 24,883

NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS-- <71,760

- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - FEBRUARY 2017**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
W 02/01/2017	128	6.9	6.9	6.9	0.27	95		
Th 02/02/2017	128	7.1	7.1	6.5	0.31	210		
F 02/03/2017	126	7.0	7.0	6.7	0.27	22		
S 02/04/2017	130	7.1	7.1	7.0	0.32	17		
Su 02/05/2017	133	7.0	7.0	5.9	0.36	27		
M 02/06/2017	130	7.0	7.1	4.8	0.25	867		
T 02/07/2017	153	6.9	7.0	4.7	0.26	226		
W 02/08/2017	141	6.9	6.9	5.6	0.25	266		
Th 02/09/2017	202	6.9	6.9	5.0	0.28	2,420		
F 02/10/2017	135	7.0	7.0	6.9	0.26	79		
S 02/11/2017	138	7.0	7.0	6.5	0.36	2		
Su 02/12/2017	166	7.0	7.0	6.9	0.32	12		
M 02/13/2017	132	6.8	6.8	6.5	0.34	101		
T 02/14/2017	131	6.9	6.9	6.7	0.28	273		
W 02/15/2017	132	7.0	7.0	6.2	0.23	448		
Th 02/16/2017	131	7.0	7.0	6.2	0.32	337		
F 02/17/2017	129	7.0	7.0	6.1	0.31	258		
S 02/18/2017	133	7.0	7.0	6.4	0.25	80		
Su 02/19/2017	136	7.0	7.0	6.0	0.31	70		
M 02/20/2017	137	6.9	7.0	5.4	0.32	215		
T 02/21/2017	133	7.0	7.0	4.5	0.33	9		
M 02/22/2017	134	7.0	7.1	4.6	0.56	3		
Th 02/23/2017	125	7.0	7.0	5.5	0.59	4		
F 02/24/2017	124	6.9	6.9	6.2	0.36	25		
S 02/25/2017	178	7.0	7.0	6.1	0.44	25		
Su 02/26/2017	132	6.9	6.9	7.1	0.42	10		
M 02/27/2017	129	7.0	7.0	6.4	0.42	6		
T 02/28/2017	134	6.9	6.9	6.8	0.20	62		
TOTAL	4,239	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	137	6.8	7.1	4.5	6.0	0.33	0.59	MEAN
								57

Wk1 127  
Wk2 148  
Wk3 136  
Wk4 138

**MAX**

202

EFFLUENT

NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - FEBRUARY 2017  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
02/01/2017	0.29	0.25	0.27	6.8	7.0	6.9	179	50	95
02/02/2017	0.30	0.31	0.31	6.3	6.7	6.5	435	101	210
02/03/2017	0.27	0.27	0.27	6.5	6.9	6.7	32	15	22
02/04/2017	0.32	0.32	0.32	6.7	7.2	7.0	21	13	17
02/05/2017	0.36	0.35	0.36	5.5	6.3	5.9	46	16	27
02/06/2017	0.24	0.25	0.25	4.4	5.2	4.8	921	816	867
02/07/2017	0.25	0.26	0.26	4.5	4.9	4.7	365	140	226
02/08/2017	0.24	0.26	0.25	5.4	5.7	5.6	411	173	266
02/09/2017	0.27	0.28	0.28	4.9	5.1	5.0	2,420	> 2,420	2,420
02/10/2017	0.26	0.26	0.26	6.7	7.1	6.9	115	55	79
02/11/2017	0.37	0.35	0.36	6.3	6.6	6.5	3	2	2
02/12/2017	0.31	0.32	0.32	6.7	7.0	6.9	13	11	12
02/13/2017	0.39	0.28	0.34	6.2	6.7	6.5	59	172	101
02/14/2017	0.31	0.24	0.28	6.6	6.8	6.7	228	326	273
02/15/2017	0.28	0.17	0.23	6.0	6.3	6.2	387	517	448
02/16/2017	0.34	0.29	0.32	6.0	6.4	6.2	261	435	337
02/17/2017	0.34	0.28	0.31	5.9	6.3	6.1	172	387	258
02/18/2017	0.25	0.25	0.25	6.0	6.7	6.4	62	104	80
02/19/2017	0.33	0.28	0.31	5.7	6.2	6.0	78	63	70
02/20/2017	0.36	0.28	0.32	5.1	5.7	5.4	196	236	215
02/21/2017	0.38	0.28	0.33	4.3	4.6	4.5	5	17	9
02/22/2017	0.58	0.54	0.56	4.2	5.0	4.6	6	1	3
02/23/2017	0.61	0.56	0.59	5.1	5.8	5.5	5	3	4
02/24/2017	0.39	0.33	0.36	5.9	6.5	6.2	29	21	25
02/25/2017	0.64	0.24	0.44	5.9	6.2	6.1	4	152	25
02/26/2017	0.41	0.42	0.42	7.0	7.2	7.1	14	8	10
02/27/2017	0.40	0.44	0.42	6.3	6.5	6.4	8	4	6
02/28/2017	0.33	0.06	0.20	6.5	7.0	6.8	16	238	62
Avg	0.35	0.31	0.33	5.8	6.2	6.0	61	53	57

**PERMIT  
NEWPCP - FEBRUARY 2017**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
02/01/2017	152	12	92%
02/02/2017			
02/03/2017	132	8	94%
02/04/2017			
02/05/2017			
02/06/2017	175	10	94%
02/07/2017			
02/08/2017	189	10	95%
02/09/2017			
02/10/2017			
02/11/2017			
02/12/2017			
02/13/2017	169	14	92%
02/14/2017			
02/15/2017	173	14	92%
02/16/2017			
02/17/2017			
02/18/2017			
02/19/2017			
02/20/2017	164	16	90%
02/21/2017			
02/22/2017	154	10	94%
02/23/2017			
02/24/2017			
02/25/2017			
02/26/2017			
02/27/2017			
02/28/2017			
AVG	164	12	93%

DESIGN - 210 MGD

NEWPCP - FEBRUARY 2017						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
02/01/2017	41	62	25	128	161	
02/02/2017	41	62	26	128	159	
02/03/2017	41	60	25	126	159	
02/04/2017	42	63	25	130	166	
02/05/2017	43	65	26	133	174	
02/06/2017	41	63	26	130	163	
02/07/2017	52	72	29	153	395	0.04
02/08/2017	50	61	30	141	362	T
02/09/2017	66	101	35	202	350	0.54
02/10/2017	43	66	26	135	204	
02/11/2017	45	67	26	138	207	
02/12/2017	53	78	35	166	325	0.21
02/13/2017	41	66	25	132	162	
02/14/2017	41	65	26	131	163	
02/15/2017	41	67	25	132	174	
02/16/2017	41	66	24	131	187	
02/17/2017	39	65	24	129	176	
02/18/2017	40	69	24	133	171	
02/19/2017	40	72	24	136	171	
02/20/2017	41	71	25	137	170	
02/21/2017	39	70	24	133	162	
02/22/2017	40	69	25	134	192	T
02/23/2017	39	62	24	125	155	
02/24/2017	39	61	24	124	169	
02/25/2017	57	88	34	178	437	0.33
02/26/2017	40	67	25	132	171	
02/27/2017	39	66	24	129	172	
02/28/2017	41	64	28	134	234	0.18
TOTAL	1,214	1,911	738	3,863		1.30
AVG	43	68	26	138		
		MIN		124	155	
		MAX		202	437	

\* ADJUSTED FOR RECYCLE.

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF FEBRUARY 2017

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
02/01/2017	0.409	0.442	14.10	15.20	0.497
02/09/2017	0.225	0.250	13.30	14.90	0.713
02/15/2017	0.365	0.368	14.30	14.90	0.615
02/22/2017	0.310	0.287	13.90	16.10	0.514
<b>AVG</b>	0.327	0.337	13.90	15.28	0.585
<b>MAX</b>	0.409	0.442	14.30	16.10	0.713

**Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
02/02/2017	< 0.030

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	
02/08/2017	
Copper	0.0080
Iron	0.3700
Iron Dissolved	0.0820
Lead	< 0.0030
Zinc	0.0430

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	
02/06/2017	
1,2-Dichloroethane	< 0.0010
Chloroform	< 0.0010
Chlorodibromomethane	< 0.0010
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010

WW NPDES Weekly - NE

Report Date: 03/21/2017

WW170201-025

Composite 24h 02/01/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500-Norg D	2/15/2017	11:25	2/22/2017	12:53	15.2	mg/L as N	1	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 112.5%. Acceptance limits are 90-110%.
-----	--

WW170215-001

Composite 24h 02/15/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500-Norg D	12/15/2017	11:25	2/22/2017	12:46	14.9	mg/L as N	1	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 136.5%. Acceptance limits are 90-110%.
-----	--

WW170222-025

Composite 24h 02/22/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500-Norg D	3/3/2017	11:40	3/10/2017	10:50	16.1	mg/L as N	1	mg/L as N


Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 113%. Acceptance limits are 90-110%.
-----	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
 Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 3/21/2017



Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

NE Outfall Monthly Composite

Report Date: 03/21/2017

WW170208-025

Composite 02/08/2017 06:52

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500-Norg D	2/15/2017	11:25	2/22/2017	12:29	14.9	mg/L as N		mg/L as N


Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 112.5%. Acceptance limits are 90-110%.
-----	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 3/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Fecal Coliform Daily

Report Date: 03/21/2017

WW170217-019

Grab 02/17/2017 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			2/18/2017	7:49	172.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria Value 0.523 exceeded. Measured Precision Criteria Value 0.903, results were 12.2 MPN/100mL and <1 MPN/100mL.
---	---

WW170217-020

Grab 02/17/2017 09:18

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			2/18/2017	7:49	387.3	MPN/100 mL	<1	MPN/100 mL

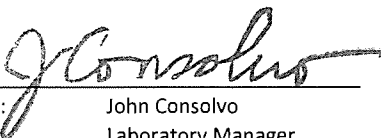
Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Precision Criteria Value 0.523 exceeded. Measured Precision Criteria Value 0.903, results were 12.2 MPN/100mL and <1 MPN/100mL.
---	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
 Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 3/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report Date: 03/21/2017

WW170208-006

Grab 02/08/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G	2/8/2017	9:36	2/8/2017	9:38	0.24	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Quality Control Sample (QCS) recovery is 111%. Acceptance limits are 90 to 110%.
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WW170208-007

Grab 02/08/2017 06:00


Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G	2/8/2017	9:36	2/8/2017	9:38	0.26	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Quality Control Sample (QCS) recovery is 111%. Acceptance limits are 90 to 110%.
-------------------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
 Signature: \_\_\_\_\_  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 3/21/2017

NE Daily Composite 2

Report Date: 03/21/2017

WW170201-005

Composite 24h 02/01/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/2/2017	8:10	2/7/2017	6:50	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.
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WW170208-005

Composite 24h 02/08/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	2/9/2017	12:45	2/14/2017	6:50	10	mg/L	2	mg/L
CBOD5	SM 5210 B	2/9/2017	12:45	2/14/2017	6:50	8	mg/L	2	mg/L

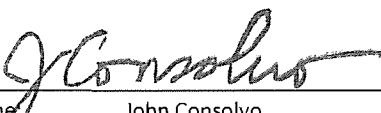
Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.33 mg/l. The maximum acceptable concentration in the blank is 0.20 mg/l.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.33 mg/l. The maximum acceptable concentration in the blank is 0.20 mg/l.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
 Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 3/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite

Report Date: 03/21/2017

WW170204-004

Composite 02/04/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	2/5/2017	7:34	2/5/2017	9:40	6	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW170223-004

Composite 24h 02/23/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	2/24/2017	8:00	2/24/2017	10:10	7	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 55%. Acceptance limits are 85 to 115%
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WW170228-004

Composite 24h 02/28/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	3/1/2017	7:43	3/1/2017	9:54	6	mg/L	2..5	mg/L

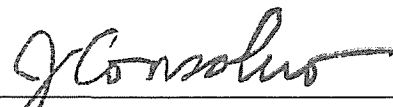
Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
 Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 3/21/2017



Debra A. McCarty, Water Commissioner

April 28, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for March 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 03/01/2017-03/31/2017

**Report Due Date:** 04/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 52680

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for March 2017

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT

## NEWPCP - MARCH 2017

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 LBS*** (mg/L)		
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM		LBS	
W 03/01/2017	128	287	5	98		5,332	203	6	97	6,398	16		
Th 03/02/2017	123	231	4	98		4,094	194	6	97	6,141			
F 03/03/2017	120	215	5	98		4,999	171	7	96	6,998	18		
S 03/04/2017	124	202	5	98		5,155	180	6	97	6,186			
Su 03/05/2017	126	199	4	98		4,192	152	12	92	12,577			
M 03/06/2017	122	227	3	99		3,063	155	7	95	7,147	18		
T 03/07/2017	126	229	4	98		4,212	184	6	97	6,318			
W 03/08/2017	123	233	5	98		5,147	171	7	96	7,206	21		
Th 03/09/2017	122	214	4	98		4,080	182	8	96	8,160			
F 03/10/2017	187	206	7	97		10,932	203	9	96	14,055			
S 03/11/2017	127	180	5	97		5,287	167	6	96	6,344			
Su 03/12/2017	128	177	6	97		6,389	187	6	97	6,389			
M 03/13/2017	124	224	4	98		4,140	158	5	97	5,175	15		
T 03/14/2017	164	167	5	97		6,833	160	6	96	8,200			
W 03/15/2017	130	185	4	98		4,341	148	5	97	5,426	13		
Th 03/16/2017	157	204	3	99		3,919	164	5	97	6,532			
F 03/17/2017	190	180	7	96		11,081	129	7	95	11,081			
S 03/18/2017	308	139	8	94		20,548	124	7	94	17,980			
Su 03/19/2017	348	197	9	95		26,118	108	8	93	23,216			
M 03/20/2017	163	184	5	97		6,815	157	5	97	6,815	13		
T 03/21/2017	162	155	4	97		5,417	146	5	97	6,772			
M 03/22/2017	146	197	3	98		3,660	173	5	97	6,100	13		
Th 03/23/2017	140	218	5	98		5,824	174	5	97	5,824			
F 03/24/2017	140	224	3	99		3,515	151	6	96	7,030			
S 03/25/2017	142	213	4	98		4,744	158	5	97	5,931			
Su 03/26/2017	140	177	5	97		5,834	142	8	94	9,334			
M 03/27/2017	164	255	5	98		6,850	150	7	95	9,589	18		
T 03/28/2017	221	261	11	96		20,312	121	7	94	12,926			
W 03/29/2017	157	205	4	98		5,243	132	6	95	7,864	14		
Th 03/30/2017	178	260	5	98		7,422	162	9	94	13,360			
F 03/31/2017	320	125	43	85	66	52,540 (a)	114,877	71	18	86	75	36,430	48,088
S 04/01/2017	296	112	6	95		14,827	112	8	93	19,769			

TOTAL AVERAGE	5,052 163	6,370 205	6	97	66	8,646	4,877 157	7	95	75	9,661	16
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Wk1	133	213	5	98		5,273	173	8	95		8,830
Wk2	171	182	5	97		8,179	153	6	96		8,683
Wk3	177	198	5	98		8,013	152	6	96		8,812
Wk4	211	199	11	95		16,147	127	9	93		15,610

MAX	348
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CBOD 20 LBS--	18,128
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NPDES/D  
LIMITS

MO	<30	>85		<52,540
WK	<45			<78,810

	<25	>86		<36,430
	<40			<54,645

CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.



**PERMIT**  
**NEWPCP - MARCH 2017**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
W 03/01/2017	128	6.9	7.1	6.6	0.35	27		
Th 03/02/2017	123	7.0	7.0	6.8	0.32	13		
F 03/03/2017	120	6.9	7.0	5.5	0.28	46		
S 03/04/2017	124	7.0	7.0	6.7	0.29	35		
Su 03/05/2017	126	7.0	7.0	6.8	0.30	11		
M 03/06/2017	122	7.0	7.0	5.8	0.24	41		
T 03/07/2017	126	6.9	6.9	4.7	0.41	11		
W 03/08/2017	123	7.0	7.0	4.9	0.29	50		
Th 03/09/2017	122	7.0	7.0	6.3	0.28	31		
F 03/10/2017	187	7.0	7.0	5.1	0.38	77		
S 03/11/2017	127	6.9	6.9	7.1	0.32	11		
Su 03/12/2017	128	7.0	7.0	7.1	0.30	16		
M 03/13/2017	124	6.9	6.9	6.9	0.25	52		
T 03/14/2017	164	7.0	7.0	6.8	0.27	14		
W 03/15/2017	130	7.0	7.0	7.0	0.33	57		
Th 03/16/2017	157	7.0	7.0	7.0	0.34	23		
F 03/17/2017	190	7.0	6.9	6.7	0.26	52		
S 03/18/2017	308	6.9	6.9	6.8	0.22	46		
Su 03/19/2017	348	6.7	6.8	6.4	0.25	74		
M 03/20/2017	163	6.9	6.8	5.7	0.25	125		
T 03/21/2017	162	6.9	6.9	4.9	0.22	71		
M 03/22/2017	146	6.9	6.9	5.3	0.21	56		
Th 03/23/2017	140	7.0	7.0	5.9	0.30	15		
F 03/24/2017	140	7.0	7.0	6.5	0.25	25		
S 03/25/2017	142	7.0	7.0	6.5	0.29	6		
Su 03/26/2017	140	7.0	7.0	6.7	0.23	9		
M 03/27/2017	164	7.0	7.0	5.6	0.20	76		
T 03/28/2017	221	7.0	7.0	4.3	0.40	8		
W 03/29/2017	157	6.8	6.8	6.5	0.21	66		
Th 03/30/2017	178	7.0	7.0	6.5	0.23	37		
F 03/31/2017	320	6.8	6.8	6.2	0.39	59		
TOTAL	5,052	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	163	6.7	7.1	4.3	6.2	0.28	0.41	MEAN
								30

Wk1 133  
Wk2 171  
Wk3 177  
Wk4 211

**MAX** 348

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - MARCH 2017  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
03/01/2017	0.37	0.32	0.35	6.5	6.7	6.6	21	36	27
03/02/2017	0.35	0.29	0.32	6.5	7.0	6.8	11	16	13
03/03/2017	0.33	0.22	0.28	6.1	4.9	5.5	44	48	46
03/04/2017	0.29	0.28	0.29	6.6	6.8	6.7	38	32	35
03/05/2017	0.28	0.31	0.30	6.5	7.0	6.8	12	10	11
03/06/2017	0.25	0.22	0.24	5.5	6.1	5.8	38	44	41
03/07/2017	0.40	0.42	0.41	4.4	5.0	4.7	16	7	11
03/08/2017	0.34	0.24	0.29	4.7	5.0	4.9	41	61	50
03/09/2017	0.31	0.24	0.28	6.0	6.6	6.3	20	49	31
03/10/2017	0.46	0.30	0.38	4.9	5.3	5.1	36	167	77
03/11/2017	0.32	0.31	0.32	6.8	7.3	7.1	7	17	11
03/12/2017	0.31	0.29	0.30	6.9	7.2	7.1	32	8	16
03/13/2017	0.25	0.25	0.25	6.8	7.0	6.9	63	43	52
03/14/2017	0.26	0.28	0.27	6.6	7.0	6.8	31	6	14
03/15/2017	0.29	0.36	0.33	6.7	7.2	7.0	88	36	57
03/16/2017	0.32	0.35	0.34	6.9	7.1	7.0	30	17	23
03/17/2017	0.28	0.24	0.26	6.5	6.9	6.7	86	31	52
03/18/2017	0.25	0.18	0.22	6.6	6.9	6.8	36	58	46
03/19/2017	0.27	0.23	0.25	6.0	6.8	6.4	79	68	74
03/20/2017	0.27	0.22	0.25	5.4	6.0	5.7	166	93	125
03/21/2017	0.24	0.20	0.22	4.8	5.0	4.9	71	70	71
03/22/2017	0.21	0.20	0.21	5.3	5.2	5.3	107	30	56
03/23/2017	0.33	0.27	0.30	5.5	6.2	5.9	19	12	15
03/24/2017	0.22	0.28	0.25	6.3	6.6	6.5	99	6	25
03/25/2017	0.29	0.28	0.29	6.3	6.6	6.5	13	3	6
03/26/2017	0.25	0.21	0.23	6.5	6.8	6.7	9	9	9
03/27/2017	0.24	0.16	0.20	5.3	5.8	5.6	72	80	76
03/28/2017	0.46	0.34	0.40	4.3	4.2	4.3	7	9	8
03/29/2017	0.24	0.17	0.21	6.3	6.7	6.5	34	127	66
03/30/2017	0.29	0.17	0.23	6.3	6.6	6.5	15	91	37
03/31/2017	0.42	0.35	0.39	5.7	6.6	6.2	23	152	59
Avg	0.30	0.26	0.28	6.0	6.3	6.2	32	27	30

**PERMIT  
NEWPCP - MARCH 2017**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
03/01/2017	144	11	92%
03/02/2017			
03/03/2017	170	11	94%
03/04/2017			
03/05/2017			
03/06/2017	154	8	95%
03/07/2017			
03/08/2017	182	14	92%
03/09/2017			
03/10/2017			
03/11/2017			
03/12/2017			
03/13/2017	140	9	94%
03/14/2017			
03/15/2017	143	7	95%
03/16/2017			
03/17/2017			
03/18/2017			
03/19/2017			
03/20/2017	159	8	95%
03/21/2017			
03/22/2017	151	6	96%
03/23/2017			
03/24/2017			
03/25/2017			
03/26/2017			
03/27/2017	181	15	92%
03/28/2017			
03/29/2017	145	12	92%
03/30/2017			
03/31/2017			
AVG	157	10	94%

**DESIGN - 210 MGD**

<b>NEWPCP - MARCH 2017</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
03/01/2017	39	65	24	128	196	0.03
03/02/2017	38	58	27	123	187	T
03/03/2017	38	58	24	120	148	T
03/04/2017	39	60	25	124	183	
03/05/2017	40	60	26	126	160	
03/06/2017	39	57	26	122	157	
03/07/2017	39	60	27	126	173	0.02
03/08/2017	38	60	25	123	166	0.01
03/09/2017	38	60	25	122	154	
03/10/2017	58	94	36	187	297	0.30
03/11/2017	39	64	24	127	179	
03/12/2017	39	63	25	128	165	
03/13/2017	38	61	25	124	177	0.13
03/14/2017	51	77	36	164	273	1.54
03/15/2017	40	65	25	130	161	T
03/16/2017	48	78	30	157	256	
03/17/2017	62	90	38	190	342	
03/18/2017	48	197	63	308	327	0.01
03/19/2017	76	114	158	348	381	
03/20/2017	49	86	28	163	229	
03/21/2017	46	88	29	162	193	0.02
03/22/2017	42	78	26	146	213	
03/23/2017	42	72	26	140	186	
03/24/2017	42	71	27	140	166	
03/25/2017	43	73	26	142	187	0.02
03/26/2017	43	71	26	140	178	
03/27/2017	50	82	32	164	363	0.09
03/28/2017	69	109	44	221	459	0.45
03/29/2017	42	89	26	157	187	
03/30/2017	55	84	39	178	378	0.11
03/31/2017	96	161	64	320	479	1.53
<b>TOTAL</b>	<b>1,464</b>	<b>2,504</b>	<b>1,084</b>	<b>5,052</b>		<b>4.26</b>
<b>AVG</b>	<b>47</b>	<b>81</b>	<b>35</b>	<b>163</b>		
		<b>MIN</b>		<b>120</b>	<b>148</b>	
		<b>MAX</b>		<b>348</b>	<b>459</b>	

\* ADJUSTED FOR RECYCLE.

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
 Northeast Water Pollution Control Plant  
**NPDES SUMMARY FOR THE MONTH OF MARCH 2017**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
03/01/2017	0.506	0.426	17.60	15.10	0.533
03/08/2017	0.413	0.261	14.00	15.70	0.676
03/15/2017	0.593	0.317	14.40	14.00	0.635
03/22/2017	0.520	0.511	11.70	10.20	0.331
03/29/2017	0.445	0.966	8.00	8.17	0.494
<b>AVG</b>	0.495	0.496	13.14	12.63	0.534
<b>MAX</b>	0.593	0.966	17.60	15.70	0.676

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
03/03/2017	< 0.030

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	
03/08/2017	
Copper	0.0080
Iron	0.1740
Iron Dissolved	0.1730
Lead	< 0.0030
Zinc	0.0380

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	
03/06/2017	
1,2-Dichloroethane	< 0.0010
Chloroform	0.0050
Chlorodibromomethane	< 0.0010
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>
PERMIT NUMBER

<b>001</b>
OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **03/01/2017**  
 DMR Effective To: **03/31/2017**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge? **No**

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2017	03	01	TO	2017	03	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	4.3	6.2	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.7	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	8646	16147	lbs/day	***	6	11	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	13.14	17.60	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.495	.593	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	.496	.966	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	12.63	15.70	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.534	.676	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0050	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0080	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.1740	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.1730	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total	Sample Measurement	***	***	***	***	.0380	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	163	348	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.28	.41	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	30	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	9661	15610	lbs/day	***	7	9	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	18128	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***	***	***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	95	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
NECSO 201703.xls	CSO Detailed Outfall Report Form	2017-04-27T15:27:31-04:00	
201702SL.xls Mar 17.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-04-27T15:27:57-04:00	
NE Daily Composite (04-21-2017).pdf	Laboratory Accreditation Form	2017-04-27T15:28:41-04:00	
NE Daily Grab (04-21-2017).pdf	Laboratory Accreditation Form	2017-04-27T15:29:13-04:00	
NE Fecal Coliform Daily (04-21-2017).pdf	Laboratory Accreditation Form	2017-04-27T15:29:40-04:00	
NE Outfall Monthly Composite (04-21-2017).pdf	Laboratory Accreditation Form	2017-04-27T15:30:09-04:00	
NPDES Cyanide Monthly Grab - NE (04-21-2017).pdf	Laboratory Accreditation Form	2017-04-27T15:30:52-04:00	
WW NPDES Weekly - NE (04-21-2017).pdf	Laboratory Accreditation Form	2017-04-27T15:32:04-04:00	
E-NPDES NE-201703.xls	Daily Effluent Monitoring Form	2017-04-27T15:26:27-04:00	
BLSNE201703.xls	Nutrient Monitoring Form	2017-04-27T15:26:58-04:00	
WW NPDES Monthly Influent Composite - NE (04-21-2017).pdf	Laboratory Accreditation Form	2017-04-27T15:31:23-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2017	4	27
				AREA CODE	NUMBER	YEAR	MO





Debra A. McCarty, Water Commissioner

April 28, 2017

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for March 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Quarterly

**Report Type:** DMR

**Reporting Period:** 01/01/2017-03/31/2017

**Report Due Date:** 04/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 52904

**Submission Status:** Received

**Submission Type:** Original



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Quarterly**  
 DMR Effective From: **01/01/2017**  
 DMR Effective To: **03/31/2017**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge? **No**

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2017	01	01	TO	2017	03	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival	Sample Measurement	***	***	***	***	***	FF	TUa	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Toxicity, Chronic - Ceriodaphnia Survival	Sample Measurement	***	***	***	***	***	1	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Toxicity, Acute - Pimephales Survival	Sample Measurement	***	***	***	***	***	<1	TUa	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Chlordane	Sample Measurement	***	***	***	***	<.0004050	***	mg/L	24-Hr Composite	2/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		24-Hr Composite	1/quarter
3,3-Dichlorobenzidine	Sample Measurement	***	***	***	***	<.0050	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		24-Hr Composite	1/quarter
Benzidine	Sample Measurement	***	***	***	***	<.0567	***	mg/L	Grab	3/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		Grab	1/quarter
4,4-DDT	Sample Measurement	***	***	***	***	<.0000160	***	mg/L	24-Hr Composite	2/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		24-Hr Composite	1/quarter
4,4-DDD	Sample Measurement	***	***	***	***	<.0000160	***	mg/L	24-Hr Composite	2/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		24-Hr Composite	1/quarter
4,4-DDE	Sample Measurement	***	***	***	***	<.0000160	***	mg/L	24-Hr Composite	2/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		24-Hr Composite	1/quarter
alpha-BHC	Sample Measurement	***	***	***	***	<.0000081	***	mg/L	24-Hr Composite	2/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		24-Hr Composite	1/quarter
beta-BHC	Sample Measurement	***	***	***	***	<.0000081	***	mg/L	24-Hr Composite	2/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		24-Hr Composite	1/quarter
gamma-BHC (Lindane)	Sample Measurement	***	***	***	***	<.0000080	***	mg/L	24-Hr Composite	2/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		24-Hr Composite	1/quarter
Dieldrin	Sample Measurement	***	***	***	***	<.0000160	***	mg/L	24-Hr Composite	2/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		24-Hr Composite	1/quarter
Endrin	Sample Measurement	***	***	***	***	<.0000160	***	mg/L	24-Hr Composite	2/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		24-Hr Composite	1/quarter
Heptachlor	Sample Measurement	***	***	***	***	<.0000090	***	mg/L	24-Hr Composite	2/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		24-Hr Composite	1/quarter
Toxicity, Chronic - Pimephales Survival	Sample Measurement	***	***	***	***	***	1	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
NE WET Testing Composite (02-24-2017).pdf	Laboratory Accreditation Form	2017-04-28T10:22:00-04:00	
NE WETTLeters 201701.pdf	Other	2017-04-28T11:50:22-04:00	Letter from contract lab for non-reportable result of Ceriodaphnia acute toxicity.
BLSNE201701.xls	WET Test Summary Report	2017-04-28T11:48:09-04:00	
Northeast WPCP 2017 First Quarter WETT Report 042817.pdf	WET Test Summary Report	2017-04-28T11:52:57-04:00	More detailed summary report with letter from the PWD.

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
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**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as requested. There is no reportable result for Ceriodaphnia acute toxicity due to errors in the analysis of the required quality control data by contract lab, Eurofins QC, Inc. Please see attachments for data qualifier reports and letter of explanation from Eurofins QC, Inc.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
			AREA CODE	NUMBER	YEAR	MO	DAY
SENSSM		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES  
 Northeast Water Pollution Control Plant  
 NPDES SUMMARY FOR THE MONTH OF JANUARY 2017  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
01/04/2017	0.392	0.564	8.94	11.80	0.565
01/11/2017	0.385	0.283	13.20	17.00	0.761
01/18/2017	0.359	0.293	15.90	15.80	0.887
01/23/2017	0.385	0.291	6.24	15.20	0.542
01/25/2017	0.321	1.010	7.14	8.93	0.410
01/27/2017	0.455	0.458	13.60	13.50	0.347
<b>AVG</b>	0.383	0.483	10.84	13.71	0.585
<b>MAX</b>	0.455	1.010	15.90	17.00	0.887

**Cyanide and Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
01/23/2017	< 0.030
01/25/2017	< 0.030
01/27/2017	< 0.030
<b>AVG</b>	0.030

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	01/23/2017	01/25/2017	01/27/2017	AVG
Copper	0.0080	0.0070	0.0070	0.0073
Iron	0.3100	0.3930	0.2080	0.3037
Iron Dissolved	0.0680	0.0450	0.0590	0.0573
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	0.0420	0.0360	0.0440	0.0407

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	01/22/2017	01/23/2017	01/24/2017	01/25/2017	01/26/2017	01/27/2017	AVG
1,2-Dichloroethane	< 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0023
3,3-Dichlorobenzidine		< 0.0050		< 0.0050		< 0.0050	< 0.0050
alpha-BHC		< 0.0000081		< 0.0000080		< 0.0000081	< 0.0000081
Benzidine		< 0.0570		< 0.0560		< 0.0570	< 0.0567
Beta-BHC		< 0.0000081		< 0.0000080		< 0.0000081	< 0.0000081
Chlordane		< 0.0004100		< 0.0004000		< 0.0004050	< 0.0004050
Chloroform	0.0040	< 0.0050	< 0.0050	< 0.0010	< 0.0040	0.0030	< 0.0037
Chlorodibromomethane	< 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0023
Dieldrin		< 0.0000160		< 0.0000160		< 0.0000160	< 0.0000160
Endrin		< 0.0000160		< 0.0000160		< 0.0000160	< 0.0000160
Heptachlor		< 0.0000100		< 0.0000080		< 0.0000090	< 0.0000090
p,p'-DDD		< 0.0000160		< 0.0000160		< 0.0000160	< 0.0000160
p,p'-DDE		< 0.0000160		< 0.0000160		< 0.0000160	< 0.0000160
p,p'-DDT		< 0.0000160		< 0.0000160		< 0.0000160	< 0.0000160
Lindane(Gamma-BHC)		< 0.0000080		< 0.0000080		< 0.0000080	< 0.0000080
Tetrachloroethylene	< 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0023
Trichloroethylene	< 0.0010	< 0.0050	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0023

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF JANUARY 2017**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**01/27/2017**

**Toxicity, Ceriodaphnia acute**

NR

**Toxicity, Ceriodaphnia chronic**

1

**Toxicity, Pimphales acute**

<

1

**Toxicity, Pimphales chronic**

1

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

WW NPDES Weekly - NE

Report Date: 04/21/2017

WW170301-025

Composite 24h 03/01/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500-Norg D	3/3/2017	11:40	3/10/2017	10:54	15.1	mg/L as N	1	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 113%. Acceptance limits are 90-110%.
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Legend

A - Results reported on a basis other than as received, e.g. dry weight.

B - Tests performed are not covered by BLS's scope of accreditation.


C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 4/21/2017

WW NPDES Monthly Influent Composite - NE

Report Date: 04/21/2017

WW170308-028

Composite 24h 03/08/2017 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1016 <sup>B,D</sup>	EPA 608	3/10/2017	17:30	3/13/2017	14:39	<0.42 <sup>E</sup>	µg/L	0.42	µg/L
Aroclor 1260 <sup>B,D</sup>	EPA 608	3/10/2017	17:30	3/13/2017	14:39	<0.42 <sup>E</sup>	µg/L	0.42	µg/L

Data Qualifiers:

Aroclor 1016	The Relative Percent Difference (RPD) between the sample and sample duplicate is 38%. The maximum acceptable RPD is 30%. The measured results were 67 and 98 ug/L.
Aroclor 1260	The Relative Percent Difference (RPD) between the sample and sample duplicate is 36%. The maximum acceptable RPD is 30%. The measured results were 70 and 100 ug/L.

WW170308-029

Composite 24h 03/08/2017 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1016 <sup>B,D</sup>	EPA 608	3/10/2017	17:30	3/13/2017	14:51	<0.41 <sup>E</sup>	µg/L	0.41	µg/L
Aroclor 1260 <sup>B,D</sup>	EPA 608	3/10/2017	17:30	3/13/2017	14:51	<0.41 <sup>E</sup>	µg/L	0.41	µg/L

Data Qualifiers:

Aroclor 1016	The Relative Percent Difference (RPD) between the sample and sample duplicate is 38%. The maximum acceptable RPD is 30%. The measured results were 67 and 98 ug/L.
Aroclor 1260	The Relative Percent Difference (RPD) between the sample and sample duplicate is 36%. The maximum acceptable RPD is 30%. The measured results were 70 and 100 ug/L.

WW170308-030

Composite 24h 03/08/2017 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1016 <sup>B,D</sup>	EPA 608	3/10/2017	17:30	3/13/2017	15:02	<0.40 <sup>E</sup>	µg/L	0.40	µg/L
Aroclor 1260 <sup>B,D</sup>	EPA 608	3/10/2017	17:30	3/13/2017	15:02	<0.40 <sup>E</sup>	µg/L	0.40	µg/L

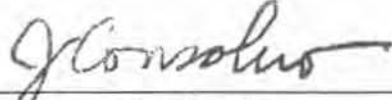
Data Qualifiers:

Aroclor 1016	The Relative Percent Difference (RPD) between the sample and sample duplicate is 38%. The maximum acceptable RPD is 30%. The measured results were 67 and 98 ug/L.
Aroclor 1260	The Relative Percent Difference (RPD) between the sample and sample duplicate is 36%. The maximum acceptable RPD is 30%. The measured results were 70 and 100 ug/L.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 4/21/2017



Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NPDES Cyanide Monthly Grab - NE

Report Date: 04/21/2017

WW170301-034

Grab 03/01/2017 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	3/7/2017	19:30	3/8/2017	8:39	<0.010 <sup>E</sup>	mg/L	0.01	mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 87%. Acceptance limits are 90 to 110%.
---------------	--

WW170301-035

Grab 03/01/2017 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	3/7/2017	19:30	3/8/2017	8:40	<0.010 <sup>E</sup>	mg/L	0.01	mg/L


Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 87%. Acceptance limits are 90 to 110%.
---------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
 Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 4/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Outfall Monthly Composite

Report Date: 04/21/2017

WW170308-025

Composite 24h 03/08/2017 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1016 <sup>B,D</sup>	EPA 608	3/10/2017	17:30	3/13/2017	14:28	<0.41 <sup>E</sup>	µg/L	0.41	µg/L
Aroclor 1260 <sup>B,D</sup>	EPA 608	3/10/2017	17:30	3/13/2017	14:28	<0.41 <sup>E</sup>	µg/L	0.41	µg/L
TKN	SM 4500-Norg D	3/9/2017	11:10	3/10/2017	10:44	15.7	mg/L as N	1	mg/L as N


Data Qualifiers:

Aroclor 1016	The Relative Percent Difference (RPD) between the sample and sample duplicate is 38%. The maximum acceptable RPD is 30%. The measured results were 67 and 98 µg/L.
Aroclor 1260	The Relative Percent Difference (RPD) between the sample and sample duplicate is 36%. The maximum acceptable RPD is 30%. The measured results were 70 and 100 µg/L.
TKN	Laboratory Fortified Matrix (LFM) recovery is 113%. Acceptance limits are 90-110%.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
 Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 4/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Fecal Coliform Daily

Report Date: 04/21/2017

WW170316-019

Grab 03/16/2017 09:19

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			3/17/2017	8:32	29.5	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.523. The measured results were <1 MPN/100mL and 3.1 MPN/100mL. PCV 0.523 was exceeded due to low values in samples.
---	--

WW170316-020

Grab 03/16/2017 09:16

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			3/17/2017	8:32	17.3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.523. The measured results were <1 MPN/100mL and 3.1 MPN/100mL. PCV 0.523 was exceeded due to low values in samples.
---	--

WW170317-019

Grab 03/17/2017 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			3/18/2017	8:13	86	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.602. The maximum acceptable PCV is 0.523. The measured results were <1 MPN/100mL and 3.0 MPN/100mL. PCV 0.523 was exceeded due to low values in samples.
---	--

WW170317-020

Grab 03/17/2017 09:18

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			3/18/2017	8:13	30.9	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.602. The maximum acceptable PCV is 0.523. The measured results were <1 MPN/100mL and 3.0 MPN/100mL. PCV 0.523 was exceeded due to low values in samples.
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WW170324-020

Grab 03/24/2017 09:19

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			3/25/2017	7:50	6.3	MPN/100 mL	<1	MPN/100 mL


Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 1.208. The maximum acceptable PCV is 0.523. The measured results were 6.3 MPN/100mL and 101.7 MPN/100mL. The NEOUTN result was 98.7 MPN/100mL. It's possible there was a sample collection or processing error with NEOUTS and NEOUTN.
---	--

Legend

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- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 4/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report Date: 04/21/2017

WW170322-006

Grab 03/22/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G	3/22/2017	9:29	3/22/2017	9:29	0.21	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.12 and 0.10 mg/l.
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WW170322-007

Grab 03/22/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G	3/22/2017	9:29	3/22/2017	9:29	0.2	mg/L	0.05	mg/L

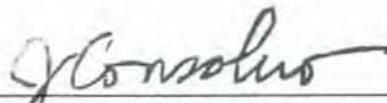
Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.12 and 0.10 mg/l.
-------------------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
 Signature:

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 4/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite

Report Date: 04/21/2017

WW170301-005

Composite 24h 03/01/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/2/2017	10:00	3/7/2017	8:05	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%.
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WW170302-004

Composite 24h 03/02/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 5210 B	3/3/2017	7:27	3/3/2017	9:27	4	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 117.5%. Acceptance limits are 85 to 115%
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WW170304-004

Composite 24h 03/04/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/5/2017	11:00	3/10/2017	7:30	6.00 <sup>E</sup>	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 84%. Acceptance limits are 85 to 115%.
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WW170305-004

Composite 24h 03/05/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	3/6/2017	7:40	3/6/2017	9:45	4	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%
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WW170308-005

Composite 24h 03/08/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	SM 5210 B	3/9/2017	9:50	3/29/2017	7:45	21	mg/L	2	mg/L
CBOD5	SM 5210 B	3/9/2017	10:00	3/14/2017	8:42	7	mg/L	2	mg/L

Data Qualifiers:

CBOD20	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.
CBOD5	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.

WW170309-004

Composite 24h 03/09/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/10/2017	10:05	3/15/2017	8:55	8	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW170310-004

Composite 24h 03/10/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/11/2017	12:25	3/16/2017	9:00	9	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.23 and 0.22mg/l. The maximum acceptable concentration in the blank is 0.20 mg/l.
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WW170320-005

Composite 24h 03/20/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	3/21/2017	7:45	3/21/2017	9:50	5	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%
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WW170321-004

Composite 24h 03/21/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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CBOD5	SM 5210 B	3/22/2017	10:00	3/27/2017	7:10	5	mg/L	2	mg/L
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Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 127%. Acceptance limits are 85 to 115%.
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WW170322-005

Composite 24h 03/22/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	3/23/2017	7:15	3/23/2017	9:15	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 118%. Acceptance limits are 85 to 115%
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WW170331-004

Composite 24h 03/31/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/1/2017	12:00	4/6/2017	7:50	18	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Reported value is an estimate because seed result did not meet CDO criteria.
-------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 4/21/2017





Debra A. McCarty, Water Commissioner

May 26, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for April 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 04/01/2017-04/30/2017

**Report Due Date:** 05/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 55344

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for April 2017

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

**PA0026689**  
 PERMIT NUMBER

**001**  
 OUTFALL NUMBER

Reorting Frequency: Monthly  
 DMR Effective From: 04/01/2017  
 DMR Effective To: 04/30/2017  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2017	04	01	FROM	2017	04	30
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	2.9	5.7	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.4	***	6.9	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	8859	13747	lbs/day	***	6	8	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	6.87	7.82	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.632	.792	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	1.802	2.250	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	8.56	9.12	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.587	.846	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0028	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0087	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.2113	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0677	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total	Sample Measurement	***	***	***	***	.0373	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	165	287	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.24	.34	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	48	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	9100	10834	lbs/day	***	6	7	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	19460	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	95	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
BLSNE201704.xls	Nutrient Monitoring Form	2017-05-24T16:21:06-04:00	
NECSO 201704.xls	CSO Detailed Outfall Report Form	2017-05-24T16:21:36-04:00	
E-NPDES NE-201704.xls	Daily Effluent Monitoring Form	2017-05-24T16:20:37-04:00	
NE WET Testing Composite (05-24-2017).pdf	Laboratory Accreditation Form	2017-05-25T08:23:10-04:00	
NPDES Cyanide Monthly Grab - NE (05-22-2017).pdf	Laboratory Accreditation Form	2017-05-25T08:23:36-04:00	
NE Fecal Coliform Daily (05-24-2017).pdf	Laboratory Accreditation Form	2017-05-25T08:22:38-04:00	
201704SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-05-24T16:22:04-04:00	
NE Daily Composite and Daily Composite 2 (05-22-2017).pdf	Laboratory Accreditation Form	2017-05-25T08:22:05-04:00	
WW NPDES Weekly - NE (05-22-2017).pdf	Laboratory Accreditation Form	2017-05-25T08:24:06-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
			AREA CODE	NUMBER	2017	5	25
SENSSM		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

# PERMIT NEWPCP - APRIL 2017 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	

S	04/01/2017	172	114	6	95		8,591	112	8	93	11,454	
Su	04/02/2017	167	192	5	97		6,946	139	8	94	11,114	
M	04/03/2017	201	209	9	96		15,061	134	7	95	11,714	19
T	04/04/2017	159	133	6	95		7,937	106	5	95	6,614	
W	04/05/2017	163	210	4	98		5,434	124	7	94	9,509	18
Th	04/06/2017	277	182	20	89		46,147	91	9	90	20,766	
F	04/07/2017	183	229	5	98		7,623	127	5	96	7,623	
S	04/08/2017	170	192	5	97		7,082	129	6	95	8,499	
Su	04/09/2017	157	179	5	97		6,527	123	8	93	10,443	
M	04/10/2017	151	183	6	97		7,534	140	6	96	7,534	15
T	04/11/2017	147	163	6	96		7,337	131	6	95	7,337	
W	04/12/2017	140	205	6	97		6,995	140	6	96	6,995	16
Th	04/13/2017	142	179	7	96		8,275	136	6	96	7,093	
F	04/14/2017	134	190	6	97		6,712	136	6	96	6,712	
S	04/15/2017	138	233	4	98		4,600	179	7	96	8,050	
Su	04/16/2017	131	149	5	97		5,464	150	7	95	7,649	
M	04/17/2017	138	219	3	99		3,449	166	5	97	5,748	15
T	04/18/2017	130	167	3	98		3,262	151	7	95	7,612	
W	04/19/2017	146	186	3	98		3,654	143	5	97	6,089	13
Th	04/20/2017	147	175	3	98		3,673	140	4	97	4,897	
F	04/21/2017	214	291	3	99		5,351	148	11	93	19,621	11
S	04/22/2017	176	185	7	96		10,260	133	7	95	10,260	
Su	04/23/2017	149	166	3	98		3,725	134	5	96	6,209	
M	04/24/2017	147	188	4	98		4,889	150	6	96	7,333	13
T	04/25/2017	287	164	16	90		38,285	104	13	88	31,107	
M	04/26/2017	167	148	6	96		8,360	120	4	97	5,573	10
Th	04/27/2017	150	156	3	98		3,746	126	3	98	3,746	
F	04/28/2017	154	220	4	98		5,147	149	4	97	5,147	
S	04/29/2017	167	207	3	99		4,182	132	5	96	6,969	
Su	04/30/2017	143	195	8	96		9,532	155	3	98	3,575	

TOTAL AVERAGE	4,942 165	5,609 187	6	97	8,859	4,048 135	6	95	9,100	14
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Wk1	188	192	8	96	13,747	121	7	94	10,834
Wk2	144	190	6	97	6,854	141	6	95	7,738
Wk3	155	196	4	98	5,016	147	7	96	8,839
Wk4	174	178	6	97	9,762	131	6	95	9,441

MAX	287
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CBOD 20 LBS--	19,460
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NPDES/D LIMITS	MO	<b>&lt;30</b>	<b>&gt;85</b>	<b>&lt;52,540</b>	<b>&lt;25</b>	<b>&gt;86</b>	<b>&lt;36,430</b>
	WK	<b>&lt;45</b>		<b>&lt;78,810</b>	<b>&lt;40</b>		<b>&lt;54,645</b>

CBOD 20 LBS--	<71,760
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- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - APRIL 2017**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
S 04/01/2017	172	6.8	6.8	6.2	0.18	1,014		
Su 04/02/2017	167	6.8	6.8	6.3	0.25	83		
M 04/03/2017	201	6.9	6.9	5.1	0.19	453		
T 04/04/2017	159	6.7	6.7	4.5	0.27	367		
W 04/05/2017	163	6.7	6.7	4.5	0.29	28		
Th 04/06/2017	277	6.8	6.8	4.6	0.25	49		
F 04/07/2017	183	6.6	6.6	4.8	0.20	221		
S 04/08/2017	170	6.6	6.7	5.9	0.26	14		
Su 04/09/2017	157	6.9	6.9	6.5	0.25	6		
M 04/10/2017	151	6.8	6.9	6.6	0.24	15		
T 04/11/2017	147	6.8	6.8	6.1	0.21	21		
W 04/12/2017	140	6.8	6.8	6.1	0.21	14		
Th 04/13/2017	142	6.8	6.8	6.4	0.22	21		
F 04/14/2017	134	6.9	6.9	6.5	0.28	7		
S 04/15/2017	138	6.8	6.8	6.3	0.23	7		
Su 04/16/2017	131	6.8	6.8	6.2	0.29	14		
M 04/17/2017	138	6.9	6.9	6.0	0.24	14		
T 04/18/2017	130	6.9	6.9	6.0	0.21	11		
W 04/19/2017	146	6.8	6.8	4.8	0.34	12		
Th 04/20/2017	147	6.9	6.9	4.8	0.21	54		
F 04/21/2017	214	6.8	6.8	2.9	0.21	1,218		
S 04/22/2017	176	6.6	6.6	5.1	0.21	44		
Su 04/23/2017	149	6.8	6.8	6.2	0.22	37		
M 04/24/2017	147	6.9	6.9	6.1	0.30	35		
T 04/25/2017	287	6.9	6.9	6.2	0.21	425		
M 04/26/2017	167	6.4	6.4	6.5	0.26	137		
Th 04/27/2017	150	6.7	6.8	6.2	0.19	54		
F 04/28/2017	154	6.8	6.8	6.1	0.24	93		
S 04/29/2017	167	6.9	6.9	5.7	0.27	411		
Su 04/30/2017	143	6.8	6.8	6.2	0.23	18		
TOTAL	4,942	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	165	6.4	6.9	2.9	5.7	0.24	0.34	MEAN
								48

Wk1 188  
Wk2 144  
Wk3 155  
Wk4 174

**MAX** 287

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - APRIL 2017  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
04/01/2017	0.21	0.14	0.18	6.0	6.4	6.2	517	1,986	1,014
04/02/2017	0.26	0.23	0.25	5.8	6.8	6.3	61	113	83
04/03/2017	0.19	0.19	0.19	4.9	5.3	5.1	687	299	453
04/04/2017	0.29	0.25	0.27	4.4	4.6	4.5	517	260	367
04/05/2017	0.27	0.31	0.29	4.6	4.3	4.5	60	14	28
04/06/2017	0.22	0.28	0.25	4.4	4.7	4.6	102	24	49
04/07/2017	0.20	0.19	0.20	4.6	4.9	4.8	365	133	221
04/08/2017	0.24	0.28	0.26	5.7	6.1	5.9	26	7	14
04/09/2017	0.24	0.25	0.25	6.4	6.6	6.5	7	4	6
04/10/2017	0.24	0.24	0.24	6.3	6.9	6.6	20	11	15
04/11/2017	0.22	0.20	0.21	6.0	6.2	6.1	20	21	21
04/12/2017	0.21	0.21	0.21	6.0	6.1	6.1	19	10	14
04/13/2017	0.23	0.20	0.22	6.3	6.4	6.4	35	12	21
04/14/2017	0.27	0.28	0.28	6.3	6.6	6.5	16	3	7
04/15/2017	0.24	0.21	0.23	6.3	6.3	6.3	11	4	7
04/16/2017	0.32	0.26	0.29	6.1	6.2	6.2	26	8	14
04/17/2017	0.26	0.22	0.24	5.9	6.1	6.0	38	5	14
04/18/2017	0.24	0.18	0.21	5.9	6.0	6.0	13	10	11
04/19/2017	0.37	0.31	0.34	4.7	4.9	4.8	16	9	12
04/20/2017	0.19	0.23	0.21	4.6	4.9	4.8	172	17	54
04/21/2017	0.19	0.23	0.21	3.0	2.7	2.9	2,420	613	1,218
04/22/2017	0.13	0.29	0.21	4.8	5.4	5.1	308	6	44
04/23/2017	0.22	0.22	0.22	6.0	6.3	6.2	184	7	37
04/24/2017	0.26	0.33	0.30	6.0	6.2	6.1	93	13	35
04/25/2017	0.20	0.21	0.21	6.1	6.3	6.2	727	249	425
04/26/2017	0.20	0.32	0.26	6.3	6.7	6.5	1,733	11	137
04/27/2017	0.21	0.17	0.19	6.2	6.2	6.2	47	62	54
04/28/2017	0.26	0.22	0.24	6.1	6.1	6.1	77	112	93
04/29/2017	0.27	0.26	0.27	5.8	5.6	5.7	435	387	411
04/30/2017	0.25	0.21	0.23	6.1	6.3	6.2	15	21	18
Avg	0.24	0.24	0.24	5.6	5.8	5.7	82	28	48



# PERMIT NEWPCP - APRIL 2017

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
04/01/2017			
04/02/2017			
04/03/2017	141	17	88%
04/04/2017			
04/05/2017	117	10	91%
04/06/2017			
04/07/2017			
04/08/2017			
04/09/2017			
04/10/2017	136	10	93%
04/11/2017			
04/12/2017	145	17	88%
04/13/2017			
04/14/2017			
04/15/2017			
04/16/2017			
04/17/2017	152	11	93%
04/18/2017			
04/19/2017	146	9	94%
04/20/2017			
04/21/2017			
04/22/2017			
04/23/2017			
04/24/2017	163	8	95%
04/25/2017			
04/26/2017	132	9	93%
04/27/2017			
04/28/2017			
04/29/2017			
04/30/2017			
AVG	142	11	92%

DESIGN - 210 MGD

<b>NEWPCP - APRIL 2017</b>						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
04/01/2017	49	93	30	172	232	T
04/02/2017	47	92	27	167	226	
04/03/2017	65	99	36	201	420	0.23
04/04/2017	52	78	29	159	257	0.17
04/05/2017	45	88	30	163	233	
04/06/2017	81	149	47	277	463	1.53
04/07/2017	50	101	32	183	238	T
04/08/2017	49	94	27	170	243	
04/09/2017	49	79	28	157	203	
04/10/2017	48	76	27	151	192	
04/11/2017	48	70	28	147	213	
04/12/2017	46	68	26	140	190	
04/13/2017	46	69	27	142	190	
04/14/2017	45	61	27	134	170	
04/15/2017	45	65	28	138	192	T
04/16/2017	45	58	27	131	177	T
04/17/2017	47	62	29	138	221	0.06
04/18/2017	43	62	25	130	213	
04/19/2017	44	75	27	146	182	
04/20/2017	43	77	27	147	195	0.06
04/21/2017	71	99	43	214	439	0.31
04/22/2017	54	89	32	176	319	0.09
04/23/2017	44	79	26	149	190	
04/24/2017	44	75	27	147	261	0.02
04/25/2017	95	135	57	287	440	0.60
04/26/2017	53	84	31	167	282	0.04
04/27/2017	44	77	28	150	205	
04/28/2017	51	73	31	154	460	0.02
04/29/2017	50	88	29	167	337	0.02
04/30/2017	44	74	25	143	201	
<b>TOTAL</b>	<b>1,538</b>	<b>2,490</b>	<b>915</b>	<b>4,942</b>		<b>3.15</b>
<b>AVG</b>	<b>51</b>	<b>83</b>	<b>30</b>	<b>165</b>		
		<b>MIN</b>		<b>130</b>	<b>170</b>	
		<b>MAX</b>		<b>287</b>	<b>463</b>	

\* ADJUSTED FOR RECYCLE.



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF APRIL 2017**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**04/21/2017**

**Toxicity, Ceriodaphnia acute**

**1**

**Toxicity, Ceriodaphnia chronic**

**1**

**Toxicity, Pimphales acute**

**1**

**Toxicity, Pimphales chronic**

**1**

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
APRIL 2017	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
04/01/2017				1.394	1.709	158.3
04/02/2017	0.903	0.542	47	1.023	0.827	63.8
04/03/2017	0.899	1.256	130	0.967	0.902	104.6
04/04/2017	0.879	0.893	87	1.337	1.414	132.9
04/05/2017	0.000	0.000		2.897	2.879	244.3
04/06/2017	0.899	0.557	54	1.655	1.602	128.4
04/07/2017		0.224	24	0.454	0.409	36.0
04/08/2017	1.799	1.054	118	1.977	2.062	222.0
04/09/2017	0.920	1.727	211	0.799	0.718	63.0
04/10/2017				0.121	0.091	8.7
04/11/2017	0.898	0.058	5	0.647	0.866	79.1
04/12/2017	0.881	1.320	112	1.182	1.072	102.8
04/13/2017	0.857	0.967	155	1.380	1.527	125.7
04/14/2017	0.000	0.201	23	1.873	1.454	128.1
04/15/2017	0.905	0.868	80	1.179	1.252	101.6
04/16/2017	0.906	1.094	111	0.880	1.233	101.7
04/17/2017	0.911	0.377	36	1.950	1.586	135.8
04/18/2017	0.878	1.344	136	0.485	0.652	55.5
04/19/2017	0.891	0.864	97	1.278	1.269	133.7
04/20/2017	0.884	0.177	16	1.305	1.348	124.9
04/21/2017		0.827	76	0.655	0.732	65.0
04/22/2017	0.904	0.825	66	2.008	2.045	210.7
04/23/2017	0.917	1.027	102	1.230	1.390	115.6
04/24/2017	0.000	0.000	0	2.664	2.349	198.6
04/25/2017	0.929	0.705	67	1.256	1.205	137.9
04/26/2017	0.898	0.861	96	0.145	0.261	24.5
04/27/2017	0.924	0.664	67	1.061	1.126	122.0
04/28/2017	0.924	0.492	51	0.268	0.500	39.5
04/29/2017		0.109	9	2.657	2.424	203.2
04/30/2017	0.899	1.540	161	0.863	0.590	51.8
<b>TOTAL</b>	20.705	20.573	2,139	37.587	37.496	3,420
<b>AVERAGE</b>	0.828	0.735	79	1.253	1.250	114

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

WW NPDES Weekly - NE

Report Date: 05/22/2017

WW170412-025

Composite 24h 04/12/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Nitrite	EPA 300.0 rev 2.1			4/12/2017	20:05	0.665	mg/L as N	0.05	mg/L as N

Data Qualifiers:

Nitrite	Laboratory Fortified Matrix (LFM) recovery is 119%. Acceptance limits are 90 to 110%.
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WW170412-026

Composite 24h 04/12/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Nitrite	EPA 300.0 rev 2.1			4/12/2017	22:29	0.23	mg/L as N	0.05	mg/L as N

Data Qualifiers:

Nitrite	Laboratory Fortified Matrix (LFM) recovery is 119%. Acceptance limits are 90 to 110%.
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WW170412-027

Composite 24h 04/12/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Nitrite	EPA 300.0 rev 2.1			4/12/2017	22:57	<0.050	mg/L as N	0.05	mg/L as N

Data Qualifiers:

Nitrite	Laboratory Fortified Matrix (LFM) recovery is 119%. Acceptance limits are 90 to 110%.
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WW170412-028

Composite 24h 04/12/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Nitrite	EPA 300.0 rev 2.1			4/12/2017	23:26	0.164	mg/L as N	0.05	mg/L as N

Data Qualifiers:


Nitrite	Laboratory Fortified Matrix (LFM) recovery is 119%. Acceptance limits are 90 to 110%.
---------	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 5/22/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NPDES Cyanide Monthly Grab - NE

Report Date: 05/22/2017

WW170405-025

Grab 04/05/2017 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	4/18/2017	7:25	4/18/2017	10:16	<0.010 <sup>E</sup>	mg/L	0.010	mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 111%. Acceptance limits are 90 to 110%.
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WW170405-026

Grab 04/05/2017 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	4/18/2017	7:25	4/18/2017	10:19	<0.010 <sup>E</sup>	mg/L	0.010	mg/L

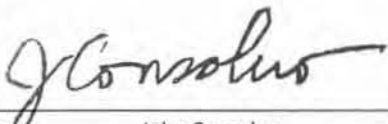
Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 111%. Acceptance limits are 90 to 110%.
---------------	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
 Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 5/22/2017



NE WET Testing Composite

Report Date: 05/22/2017

WW170417-025

Composite 24h 04/17/2017 00:59

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,2,4-Trichlorobenzene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
1,2-Diphenylhydrazine <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
2,4,6-Trichlorophenol <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
2,4-Dichlorophenol <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
2,4-Dimethylphenol <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
2,4-Dinitrophenol <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<38 <sup>E</sup>	µg/L	38	µg/L
2,4-Dinitrotoluene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
2,6-Dinitrotoluene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
2-Chloronaphthalene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
2-Chlorophenol <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
2-Nitrophenol <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
3,3'-Dichlorobenzidine <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
4,6-Dinitro-o-cresol <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<14 <sup>E</sup>	µg/L	5	µg/L
4-Bromophenyl phenyl ether <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
4-Chlorophenyl phenyl ether <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
4-Nitrophenol <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<14 <sup>E</sup>	µg/L	14	µg/L
Acenaphthene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Acenaphthylene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Acrolein <sup>B,D</sup>	EPA 624			4/19/2017	22:10	<10 <sup>E</sup>	µg/L	10	µg/L
Acrylonitrile <sup>B,D</sup>	EPA 624			4/19/2017	22:10	<1 <sup>E</sup>	µg/L	1	µg/L
Anthracene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Benzidine <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<57 <sup>E</sup>	µg/L	57	µg/L
Benzo(a)anthracene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Benzo(a)pyrene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Benzo(b)fluoranthene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Benzo(ghi)perylene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L

Benzo(k)fluoranthene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
bis(2-Chloroethoxy)methane <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
bis(2-Chloroethyl) ether <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
bis(2-Chloroisopropyl) ether <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
bis(2-Ethylhexyl) phthalate <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	6.00 <sup>F</sup>	µg/L	5	µg/L
Butyl benzyl phthalate <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Chrysene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Di-n-butyl phthalate <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Di-n-octyl phthalate <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Dibenzo(a,h)anthracene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Diethyl phthalate <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Dimethyl phthalate <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Fluoranthene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Fluorene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Hexachlorobenzene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Hexachlorobutadiene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<14 <sup>E</sup>	µg/L	14	µg/L
Hexachloroethane <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Indeno(1,2,3-cd)pyrene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Isophorone <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
N-Nitrosodi-n-propylamine <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
N-Nitrosodimethylamine <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
N-Nitrosodiphenylamine <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Naphthalene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Nitrobenzene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
p-Chloro-m-cresol <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Pentachlorophenol <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<14 <sup>F</sup>	µg/L	14	µg/L
Phenanthrene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Phenol <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L
Pyrene <sup>B,D</sup>	EPA 625	4/20/2017	8:30	4/21/2017	9:51	<5 <sup>E</sup>	µg/L	5	µg/L

Data Qualifiers:

1,2,4-Trichlorobenzene	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
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1,2-Diphenylhydrazine	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
2,4,6-Trichlorophenol	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
2,4-Dichlorophenol	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
2,4-Dimethylphenol	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported. Laboratory Fortified Matrix (LFM) recovery is 54%. Acceptance limits are 55-106%.
2,4-Dinitrophenol	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
2,4-Dinitrotoluene	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
2,6-Dinitrotoluene	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
2-Chloronaphthalene	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
2-Chlorophenol	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
2-Nitrophenol	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
3,3'-Dichlorobenzidine	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
4,6-Dinitro-o-cresol	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
4-Bromophenyl phenyl ether	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
4-Chlorophenyl phenyl ether	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
4-Nitrophenol	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
Acenaphthene	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
Acenaphthylene	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
Acrolein	Upon receipt at the Philadelphia Water Department lab the sample pH = 4.7. The pH of the GC/MS volatile fraction was pH = 6 at the time of analysis.
Acrylonitrile	Upon receipt at the Philadelphia Water Department lab the sample pH = 4.7. The pH of the GC/MS volatile fraction was pH = 6 at the time of analysis.
Anthracene	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
Benzidine	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
Benzo(a)anthracene	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
Benzo(a)pyrene	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
Benzo(b)fluoranthene	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
Benzo(ghi)perylene	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
Benzo(k)fluoranthene	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.



Phenanthrene	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
Phenol	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.
Pyrene	The recovery of one of the sample surrogates, 2,4,6-Tribromophenol, is 21% which is outside the acceptance limits of 27-142%. Since the recovery is >10%, the data is reported.

WW170419-030

Composite 24h 04/19/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Hexachlorobutadiene <sup>B,D</sup>	EPA 625	4/24/2017	8:00	4/24/2017	19:41	<5 <sup>E</sup>	µg/L	5	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	4/24/2017	8:00	4/24/2017	19:41	<14 <sup>E</sup>	µg/L	14	µg/L
Hexachloroethane <sup>B,D</sup>	EPA 625	4/24/2017	8:00	4/24/2017	19:41	<5 <sup>E</sup>	µg/L	5	µg/L

Data Qualifiers:

Hexachlorobutadiene	The Relative Percent Difference (RPD) between the matrix spike and matrix spike duplicate is 33%. The maximum acceptable RPD is 30%. The measured results were 67 and 48 ug/L.
Hexachlorocyclopentadiene	The recovery of the LCS is 23% and LCSD is 19%, which is outside the acceptance limits of 24-128%, but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD standards.
Hexachloroethane	The Relative Percent Difference (RPD) between the matrix spike and matrix spike duplicate is 31%. The maximum acceptable RPD is 30%. The measured results were 69 and 50 ug/L.

WW170421-024

Composite 24h 04/21/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Acrolein <sup>D</sup>	EPA 624			4/27/2016	3:13	<10 <sup>E</sup>	µg/L	10	µg/L
Acrylonitrile <sup>D</sup>	EPA 624			4/27/2016	3:13	<1 <sup>E</sup>	µg/L	1	µg/L

Data Qualifiers:

Acrolein	Upon receipt at the Philadelphia Water Department lab the sample pH = 4.7. The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis. The holding time was not met for acrolein and acrylonitrile under Method 624 in the EPA Method Update Rule. The sample was submitted to the laboratory with insufficient time remaining in the holding time.
Acrylonitrile	Upon receipt at the Philadelphia Water Department lab the sample pH = 4.7. The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis. The holding time was not met for acrolein and acrylonitrile under Method 624 in the EPA Method Update Rule. The sample was submitted to the laboratory with insufficient time remaining in the holding time.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 5/24/2017

NE Fecal Coliform Daily

Report Date: 05/22/2017

WW170402-019

Grab 04/02/2017 09:19

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			4/3/2017	7:56	61.3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.71. The maximum acceptable PCV is 0.523. The measured results were <1 MPN/100mL and 4.1 MPN/100mL. PCV 0.523 was exceeded due to low values in samples.
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WW170402-020

Grab 04/02/2017 09:17

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			4/3/2017	7:56	113	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.71. The maximum acceptable PCV is 0.523. The measured results were <1 MPN/100mL and 4.1 MPN/100mL. PCV 0.523 was exceeded due to low values in samples.
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WW170413-019

Grab 04/13/2017 09:17

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18 /Quantitray			4/14/2017	8:05	34.5	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.609. The maximum acceptable PCV is 0.523. The measured results were 12.2 MPN/100mL and 3.0 MPN/100mL. PCV 0.523 was exceeded due to low values in samples.
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WW170413-020

Grab 04/13/2017 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantit			4/14/2017	8:05	12.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.609. The maximum acceptable PCV is 0.523. The measured results were 12.2 MPN/100mL and 3.0 MPN/100mL. PCV 0.523 was exceeded due to low values in samples.
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WW170430-019

Grab 04/30/2017 09:23

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			5/1/2017	7:55	14.6	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 1.750. The maximum acceptable PCV is 0.556. The measured results were 56.3 MPN/100mL and 1.0 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW170430-020

Grab 04/30/2017 09:21

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			5/1/2017	7:55	21.3	MPN/100 mL	<1	MPN/100 mL


Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 1.750. The maximum acceptable PCV is 0.556. The measured results were 56.3 MPN/100mL and 1.0 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 5/22/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite and Daily Composite 2

Report Date: 05/22/2017

WW170403-005

Composite 24h 04/03/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/4/2017	8:18	4/4/2017	10:25	9	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%
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WW170411-004

Composite 24h 04/11/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/12/2017	8:00	4/12/2017	10:07	6	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 85 to 115%
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WW170412-005

Composite 24h 04/12/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	4/13/2017	12:05	4/18/2017	8:45	17	mg/L	2	mg/L

Data Qualifiers:

BOD5	Laboratory Fortified Blank (LFB) recovery is 78%. Acceptance limits are 85 to 115%.
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WW170416-004

Composite 24h 04/16/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/17/2017	7:40	4/17/2017	9:40	5	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%
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WW170417-005

Composite 24h 04/17/2017 06:00



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/18/2017	1:07	4/23/2017	7:00	5	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 83%. Acceptance limits are 85 to 115%.
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WW170422-004

Composite 24h 04/22/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/23/2017	7:30	4/23/2017	9:35	7	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%
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WW170425-004

Composite 24h 04/25/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/26/2017	8:05	4/26/2017	10:21	16	mg/L	2.5	mg/L

Data Qualifiers:

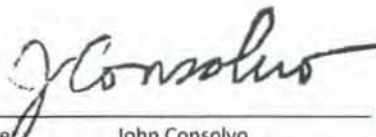
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 5/22/2017



Debra A. McCarty, Water Commissioner

June 28, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for May 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 05/01/2017-05/31/2017

**Report Due Date:** 06/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 59024

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for May 2017

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - MAY 2017 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)		
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM		LBS	LBS***
Su	04/30/2017	143	195	8	96		9,532		155	3	98	3,575	
M	05/01/2017	145	220	2	99		2,414		138	4	97	4,827	12
T	05/02/2017	139	264	2	99		2,323		169	3	98	3,485	
W	05/03/2017	155	222	4	98		5,158		156	3	98	3,869	9
Th	05/04/2017	132	220	3	99		3,307		150	2	99	2,205	
F	05/05/2017	253	205	11	95		23,218		120	7	94	14,775	
S	05/06/2017	155	248	3	99		3,869		183	4	98	5,158	
Su	05/07/2017	122	230	1	100		1,017		151	4	97	4,069	
M	05/08/2017	123	218	1	100		1,028		152	3	98	3,085	9
T	05/09/2017	120	222	2	99		2,002		149	3	98	3,004	
W	05/10/2017	143	224	2	99		2,388		141	3	98	3,582	10
Th	05/11/2017	148	195	1	99		1,237		151	4	97	4,948	
F	05/12/2017	165	225	6	97		8,249		164	4	98	5,499	
S	05/13/2017	355	129	27	85	79	52,540 (a)	80,004	75	14	86	81 36,430	41,484
Su	05/14/2017	180	149	5	97		7,521		112	4	96	6,016	
M	05/15/2017	174	189	5	97		7,250		161	4	98	5,800	12
T	05/16/2017	160	209	3	99		4,012		136	2	99	2,675	
W	05/17/2017	160	237	1	100		1,338		142	4	97	5,353	12
Th	05/18/2017	160	253	4	98		5,342		170	3	98	4,006	
F	05/19/2017	157	199	2	99		2,613		137	4	97	5,226	
S	05/20/2017	151	189	2	99		2,519		163	3	98	3,778	
Su	05/21/2017	155	236	2	99		2,578		151	3	98	3,868	
M	05/22/2017	200	243	5	98		8,347		134	8	94	13,355	16
T	05/23/2017	153	214	3	99		3,818		130	4	97	5,090	
M	05/24/2017	163	182	4	98		5,421		164	3	98	4,066	14
Th	05/25/2017	318	158	11	93		29,201		83	9	89	23,892	
F	05/26/2017	168	167	3	98		4,206		118	3	97	4,206	
S	05/27/2017	162	276	2	99		2,701		168	2	99	2,701	
Su	05/28/2017	178	170	2	99		2,971		126	2	98	2,971	
M	05/29/2017	167	139	1	99		1,393		114	2	98	2,785	8
T	05/30/2017	161	195	1	99		1,345		125	2	98	2,691	
W	05/31/2017	155	197	2	99		2,578		142	2	99	2,578	7

TOTAL AVERAGE	5,277 170	6,424 207	4	98	79	6,578	4,375 141	4	97	6,322	11
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Wk1	160	225	5	98	7,117	153	4	97	5,413
Wk2	168	206	6	97	9,780	140	5	96	8,659
Wk3	163	204	3	98	4,371	146	3	98	4,694
Wk4	188	211	4	98	8,039	135	5	96	8,168

MAX	355
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CBOD 20 LBS--	14,659
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NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - MAY 2017**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
M 05/01/2017	145	6.8	6.9	6.0	0.30	195		
T 05/02/2017	139	6.8	6.8	5.2	0.26	14		
W 05/03/2017	155	6.8	6.8	5.1	0.20	7		
Th 05/04/2017	132	6.7	6.7	4.7	0.22	25		
F 05/05/2017	253	6.9	6.8	3.0	0.27	22		
S 05/06/2017	155	6.8	6.7	4.6	0.17	12		
Su 05/07/2017	122	6.9	6.9	6.1	0.20	26		
M 05/08/2017	123	6.8	6.9	6.3	0.28	66		
T 05/09/2017	120	6.9	6.8	6.3	0.24	62		
W 05/10/2017	143	6.8	6.8	6.6	0.22	92		
Th 05/11/2017	148	6.8	6.8	6.3	0.20	148		
F 05/12/2017	165	6.8	6.8	6.4	0.18	141		
S 05/13/2017	355	6.8	6.7	3.4	0.18	> 2,420		
Su 05/14/2017	180	6.7	6.7	6.2	0.22	97		
M 05/15/2017	174	6.8	6.8	6.3	0.19	32		
T 05/16/2017	160	6.9	6.9	6.1	0.18	40		
W 05/17/2017	160	6.7	6.7	5.9	0.18	64		
Th 05/18/2017	160	6.8	6.8	5.3	0.20	65		
F 05/19/2017	157	6.9	6.8	4.8	0.20	81		
S 05/20/2017	151	6.8	6.7	4.8	0.17	39		
Su 05/21/2017	155	6.8	6.7	4.9	0.19	37		
M 05/22/2017	200	6.9	6.9	5.1	0.17	78		
T 05/23/2017	153	6.8	6.8	5.8	0.20	43		
M 05/24/2017	163	6.8	6.8	6.1	0.18	73		
Th 05/25/2017	318	6.8	6.9	3.5	0.26	1,646		
F 05/26/2017	168	6.4	6.6	6.4	0.15	335		
S 05/27/2017	162	6.9	6.8	6.3	0.14	21		
Su 05/28/2017	178	6.7	6.8	6.2	0.19	26		
M 05/29/2017	167	6.7	6.7	6.1	0.19	38		
T 05/30/2017	161	6.9	6.8	5.8	0.21	41		
W 05/31/2017	155	6.8	6.8	5.5	0.15	48		
TOTAL	5,277	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	170	6.4	6.9	3.0	5.5	0.20	0.30	MEAN
								61

Wk1 160  
Wk2 168  
Wk3 163  
Wk4 188

**MAX** 355

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - MAY 2017  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
05/01/2017	0.28	0.32	0.30	6.0	5.9	6.0	25	1,553	195
05/02/2017	0.29	0.23	0.26	5.0	5.4	5.2	12	16	14
05/03/2017	0.17	0.23	0.20	5.0	5.1	5.1	26	2	7
05/04/2017	0.21	0.23	0.22	4.5	4.8	4.7	8	86	25
05/05/2017	0.27	0.27	0.27	3.2	2.8	3.0	9	56	22
05/06/2017	0.17	0.17	0.17	4.5	4.7	4.6	17	9	12
05/07/2017	0.19	0.21	0.20	5.9	6.2	6.1	19	37	26
05/08/2017	0.28	0.28	0.28	6.2	6.4	6.3	76	57	66
05/09/2017	0.22	0.25	0.24	6.3	6.3	6.3	140	28	62
05/10/2017	0.20	0.24	0.22	6.6	6.6	6.6	192	44	92
05/11/2017	0.20	0.20	0.20	6.2	6.3	6.3	172	127	148
05/12/2017	0.16	0.20	0.18	6.3	6.5	6.4	326	61	141
05/13/2017	0.15	0.21	0.18	3.4	3.3	3.4	> 2,420	> 2,420	> 2,420
05/14/2017	0.20	0.23	0.22	6.0	6.4	6.2	238	40	97
05/15/2017	0.18	0.20	0.19	6.3	6.2	6.3	115	9	32
05/16/2017	0.16	0.19	0.18	6.0	6.1	6.1	64	26	40
05/17/2017	0.17	0.19	0.18	5.8	5.9	5.9	96	43	64
05/18/2017	0.20	0.20	0.20	5.0	5.6	5.3	78	55	65
05/19/2017	0.19	0.21	0.20	4.6	4.9	4.8	115	58	81
05/20/2017	0.16	0.17	0.17	4.7	4.9	4.8	48	31	39
05/21/2017	0.17	0.21	0.19	4.9	4.9	4.9	74	19	37
05/22/2017	0.16	0.18	0.17	4.8	5.3	5.1	133	46	78
05/23/2017	0.19	0.20	0.20	5.6	5.9	5.8	66	29	43
05/24/2017	0.17	0.19	0.18	6.0	6.1	6.1	99	55	73
05/25/2017	0.24	0.28	0.26	3.6	3.3	3.5	> 2,420	1,120	1,646
05/26/2017	0.14	0.15	0.15	6.2	6.6	6.4	365	308	335
05/27/2017	0.13	0.14	0.14	6.2	6.3	6.3	31	15	21
05/28/2017	0.19	0.18	0.19	6.1	6.2	6.2	43	16	26
05/29/2017	0.19	0.19	0.19	6.0	6.2	6.1	40	36	38
05/30/2017	0.21	0.20	0.21	5.6	6.0	5.8	48	36	41
05/31/2017	0.14	0.15	0.15	5.3	5.7	5.5	60	38	48
Avg	0.19	0.21	0.20	5.4	5.6	5.5	77	49	61

**PERMIT  
NEWPCP - MAY 2017**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
05/01/2017	135	6	96%
05/02/2017			
05/03/2017	148	7	95%
05/04/2017			
05/05/2017			
05/06/2017			
05/07/2017			
05/08/2017	145	8	94%
05/09/2017			
05/10/2017	149	7	95%
05/11/2017			
05/12/2017			
05/13/2017			
05/14/2017			
05/15/2017	139	8	94%
05/16/2017			
05/17/2017	171	6	96%
05/18/2017			
05/19/2017			
05/20/2017			
05/21/2017			
05/22/2017	132	13	90%
05/23/2017			
05/24/2017	155	7	95%
05/25/2017			
05/26/2017			
05/27/2017			
05/28/2017			
05/29/2017	114	6	95%
05/30/2017			
05/31/2017	137	6	96%
AVG	143	7	95%

DESIGN - 210 MGD

<b>NEWPCP - MAY 2017</b>						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
05/01/2017	43	76	26	145	187	
05/02/2017	42	70	27	139	204	T
05/03/2017	54	68	32	155	166	
05/04/2017	42	65	26	132	169	T
05/05/2017	75	130	48	253	500	1.47
05/06/2017	44	86	25	155	196	T
05/07/2017	46	50	26	122	198	0.03
05/08/2017	43	55	25	123	157	
05/09/2017	43	52	25	120	153	
05/10/2017	42	76	25	143	187	
05/11/2017	42	80	26	148	177	T
05/12/2017	53	77	34	165	385	T
05/13/2017	96	198	61	355	491	1.79
05/14/2017	56	92	33	180	384	
05/15/2017	45	102	27	174	192	
05/16/2017	45	90	25	160	204	
05/17/2017	45	90	26	160	216	
05/18/2017	45	87	29	160	216	
05/19/2017	44	85	28	157	186	
05/20/2017	43	83	25	151	188	T
05/21/2017	44	84	26	155	192	
05/22/2017	59	105	37	200	445	0.51
05/23/2017	43	84	26	153	191	T
05/24/2017	48	83	32	163	375	T
05/25/2017	164	95	59	318	460	2.29
05/26/2017	46	93	29	168	256	0.03
05/27/2017	45	87	30	162	281	
05/28/2017	52	92	34	178	263	0.05
05/29/2017	46	92	29	167	207	0.10
05/30/2017	47	85	28	161	215	0.06
05/31/2017	43	85	26	155	198	
<b>TOTAL</b>	<b>1,623</b>	<b>2,697</b>	<b>958</b>	<b>5,277</b>		<b>6.33</b>
<b>AVG</b>	<b>52</b>	<b>87</b>	<b>31</b>	<b>170</b>		
		<b>MIN</b>		<b>120</b>	<b>153</b>	
		<b>MAX</b>		<b>355</b>	<b>500</b>	

\* ADJUSTED FOR RECYCLE.



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

Northeast Water Pollution Control Plant

**NPDES SUMMARY FOR THE MONTH OF MAY 2017**

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
05/03/2017	0.726	2.430	6.46	7.54	0.468
05/11/2017	0.752	2.220	6.32	7.95	0.379
05/17/2017	0.732	2.280	5.64	6.30	0.384
05/24/2017	0.980	2.620	4.88	6.00	0.354
05/31/2017	0.800	4.040	4.59	6.30	0.421
<b>AVG</b>	0.798	2.718	5.58	6.82	0.401
<b>MAX</b>	0.980	4.040	6.46	7.95	0.468

**Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
05/04/2017	< 0.030

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	05/03/2017
Copper	0.0080
Iron	0.1500
Iron Dissolved	0.0580
Lead	< 0.0030
Zinc	0.0330

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	05/08/2017
1,2-Dichloroethane	< 0.0010
Chloroform	0.0030
Chlorodibromomethane	< 0.0010
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
MAY 2017	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	Biosolids Recycle Center / Synagro From NEWPCP	Biosolids Recycle Center / Synagro From SWWPCP		Biosolids Recycle Center / Synagro From SWWPCP	Biosolids Recycle Center / Synagro From SWWPCP	
	MGD	MGD		MGD	MGD	
05/01/2017	0.874	0.284	30	1.138	0.826	67.8
05/02/2017	0.893	1.480	141	0.654	0.438	33.4
05/03/2017	0.924	0.855	83	1.349	0.962	74.3
05/04/2017	0.244	0.317	27	1.811	1.709	137.5
05/05/2017	0.655	0.596	54	1.872	1.851	144.9
05/06/2017	0.913	0.826	70	1.199	1.502	141.6
05/07/2017	0.375	0.000	0	0.000	0.000	0.0
05/08/2017	1.602	1.778	182	0.603	0.475	42.1
05/09/2017	0.257	0.343	35	2.250	2.165	188.3
05/10/2017	0.702	0.674	63	1.092	1.009	76.4
05/11/2017	0.913	0.964	93	0.081	0.000	0.0
05/12/2017	0.891	1.079	101	0.696	0.606	63.6
05/13/2017	0.908	0.523	48	1.955	2.060	171.1
05/14/2017	0.903	0.647	68	0.892	0.864	71.7
05/15/2017	0.927	0.749	79	0.194	0.000	0.0
05/16/2017	0.200	0.725	74	1.052	0.682	52.8
05/17/2017	0.700	0.621	62	1.168	0.812	74.6
05/18/2017	0.908	0.986	94	0.924	0.772	57.6
05/19/2017	0.909	1.073	116	0.645	0.497	80.7
05/20/2017	0.000	0.106	9	2.004	1.640	224.3
05/21/2017	0.898	0.940	94	0.995	0.403	37.4
05/22/2017	0.902	0.883	102	1.141	0.772	92.1
05/23/2017	0.911	0.893	87	1.581	1.368	110.8
05/24/2017	0.862	0.299	28	0.644	0.564	42.8
05/25/2017	0.907	1.062	85	1.011	0.693	65.2
05/26/2017	0.891	1.229	114	1.125	0.967	73.2
05/27/2017	0.906	0.715	60	1.534	1.475	137.3
05/28/2017	0.886	0.871	69	0.926	0.765	61.8
05/29/2017	0.869	1.093	98	0.945	0.644	61.5
05/30/2017	0.866	0.876	90	1.322	0.870	132.9
05/31/2017	0.000	0.116	11	1.538	1.277	147.2
<b>TOTAL</b>	23.596	23.603	2,267	34.341	28.668	2,665
<b>AVERAGE</b>	0.761	0.761	73	1.108	0.925	86



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

<b>PA0026689</b>
PERMIT NUMBER

<b>001</b>
OUTFALL NUMBER

Reorting Frequency: Monthly  
 DMR Effective From: 05/01/2017  
 DMR Effective To: 05/31/2017  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2017	05	01	FROM	2017	05	31
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	3.0	5.5	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.4	***	6.9	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	6578	9780	lbs/day	***	4	6	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	5.58	6.46	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.798	.980	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	2.718	4.040	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	6.82	7.95	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.401	.468	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0030	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0080	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.1500	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0580	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF CLEAN WATER  
 DISCHARGE MONITORING REPORT (DMR)



Zinc, Total	Sample Measurement	***	***	***	***	.0330	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	170	355	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.20	.30	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	61	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	6322	8659	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	14659	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
Facility Comments										

**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
E-NPDES NE-201705.xls	Daily Effluent Monitoring Form	2017-06-28T08:27:00-04:00	
NE Fecal Coliform Daily (06-21-2017).pdf	Laboratory Accreditation Form	2017-06-28T08:29:16-04:00	
WW NPDES Weekly - NE (06-21-2017).pdf	Laboratory Accreditation Form	2017-06-28T08:29:42-04:00	
NE Daily Composite (06-21-2017).pdf	Laboratory Accreditation Form	2017-06-28T08:28:54-04:00	
BLSNE201705.xls	Nutrient Monitoring Form	2017-06-28T08:27:27-04:00	
201705SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-06-28T08:28:20-04:00	
NECSO 201705.xls	CSO Detailed Outfall Report Form	2017-06-28T08:27:53-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
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**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. A flow in excess of 315 MGD qualified for permit relief on the 13th of the month and was used in compliance reporting. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	YEAR	MO	DAY
					2017	6	28
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite

Report Date: 06/21/2017

WW170501-005

Composite 24h 05/01/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/2/2017	7:33	5/2/2017	9:51	2	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%
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WW170505-004

Composite 24h 05/05/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/6/2017	12:00	5/11/2017	8:05	7	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.24 and 0.22mg/l. The maximum acceptable concentration in the blank is 0.20 mg/l.
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WW170513-004

Composite 24h 05/13/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/14/2017	11:20	5/19/2017	8:10	14	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.34 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW170520-004

Composite 24h 05/20/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/21/2017	10:05	5/26/2017	8:10	3	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW170521-004

Composite 24h 05/21/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/22/2017	9:05	5/27/2017	10:25	3	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW170523-004

Composite 24h 05/23/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/24/2017	12:00	5/29/2017	6:30	4	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW170525-004

Composite 24h 05/25/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/26/2017	10:35	5/31/2017	8:15	9	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentrations of the blanks were 0.32, 0.28, 0.25 and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW170526-004

Composite 24h 05/26/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	5/27/2017	13:13	6/1/2017	7:10	3	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
-------	---

WW170527-004

Composite 24h 05/27/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/8/2017	7:34	5/28/2017	9:37	2	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 70%. Acceptance limits are 85 to 115%.
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WW170531-005

Composite 24h 05/31/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	6/1/2017	8:00	6/1/2017	10:07	2	mg/L	2.5	mg/L

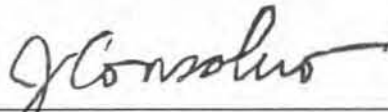
Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 130%. Acceptance limits are 85 to 115%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 6/21/2017



Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Fecal Coliform Daily

Report Date: 06/21/2017

WW170516-019

Grab 05/16/2017 09:19

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			5/17/2017	7:50	63.7	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 1.126. The maximum acceptable PCV is 0.556. The measured results were 54.8 MPN/100mL and 4.1 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
---	--

WW170516-020

Grab 05/16/2017 09:17

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			5/17/2017	7:50	25.6	MPN/100 mL	<1	MPN/100 mL

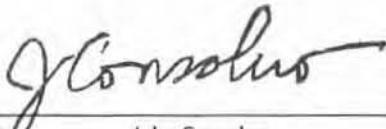
Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 1.126. The maximum acceptable PCV is 0.556. The measured results were 54.8 MPN/100mL and 4.1 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
---	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
 Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 6/21/2017

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

WW NPDES Weekly - NE

Report Date: 06/21/2017

WW170517-025

Composite 24h 05/17/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	5/21/2017	10:45	5/23/2017	11:27	6.3	mg/L as N	1	mg/L as N

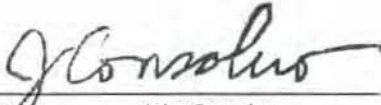
Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 118%. Acceptance limits are 90-110%.
-----	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 6/21/2017



Debra A. McCarty, Water Commissioner

July 27, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for June 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 06/01/2017-06/30/2017

**Report Due Date:** 07/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 62405

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for June 2017

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - JUNE 2017 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	

Th	06/01/2017	153	231	2	99		2,551		143	2	99		2,551	
F	06/02/2017	148	213	2	99		2,469		128	2	98		2,469	
S	06/03/2017	153	241	2	99		2,549		138	3	98		3,824	
Su	06/04/2017	152	171	3	98		3,804		126	3	98		3,804	
M	06/05/2017	158	175	3	98		3,943		129	2	98		2,629	10
T	06/06/2017	192	197	4	98		6,414		122	3	98		4,811	
W	06/07/2017	148	170	3	98		3,703		133	2	98		2,469	8
Th	06/08/2017	149	172	3	98		3,722		130	2	98		2,482	
F	06/09/2017	147	259	3	99		3,666		180	2	99		2,444	
S	06/10/2017	141	197	2	99		2,351		138	4	97		4,701	
Su	06/11/2017	151	232	4	98		5,025		168	2	99		2,513	
M	06/12/2017	145	212	3	99		3,627		145	2	99		2,418	9
T	06/13/2017	145	225	2	99		2,415		149	2	99		2,415	
W	06/14/2017	138	281	2	99		2,305		179	2	99		2,305	11
Th	06/15/2017	136	206	1	100		1,136		151	2	99		2,272	
F	06/16/2017	133	218	3	99		3,334		152	4	97		4,445	
S	06/17/2017	184	225	7	97		10,748		146	7	95		10,748	
Su	06/18/2017	147	208	3	99		3,673		128	2	98		2,449	
M	06/19/2017	206	189	6	97		10,320		113	5	96		8,600	12
T	06/20/2017	142	163	3	98		3,553		117	2	98		2,368	
M	06/21/2017	173	236	5	98		7,225		136	3	98		4,335	9
Th	06/22/2017	155	197	3	98		3,874		134	3	98		3,874	
F	06/23/2017	158	228	2	99		2,640		150	2	99		2,640	
S	06/24/2017	209	187	7	96		12,213		113	4	96		6,979	
Su	06/25/2017	155	146	3	98		3,889		119	2	98		2,593	
M	06/26/2017	168	206	2	99		2,804		135	2	99		2,804	3
T	06/27/2017	154	172	3	98		3,865		144	3	98		3,865	
W	06/28/2017	175	207	3	99		4,377		148	3	98		4,377	10
Th	06/29/2017	149	224	3	99		3,730		152	7	95		8,704	
F	06/30/2017	143	298	2	99		2,391		133	3	98		3,587	
S	07/01/2017	197	225	7	97		11,485		129	5	96		8,203	

TOTAL	4,905	6,511							4,308					
AVERAGE	158	210	3	98		4,510		139	3	98		4,022		9

Wk1	155	192	3	98		3,943		137	3	98		3,334	
Wk2	147	228	3	99		4,084		156	3	98		3,874	
Wk3	170	201	4	98		6,214		127	3	98		4,464	
Wk4	163	211	3	98		4,649		137	4	97		4,876	

MAX 209

CBOD 20 LBS-- 12,377

NPDES/D  
LIMITS

MO <30 >85 <52,540 <25 >86 <36,430  
WK <45 <78,810 <40 <54,645

CBOD 20 LBS-- <71,760

- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - JUNE 2017**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
Th 06/01/2017	153	6.8	6.8	5.0	0.18	34		
F 06/02/2017	148	6.8	6.8	4.5	0.20	20		
S 06/03/2017	153	6.9	6.8	4.7	0.21	29		
Su 06/04/2017	152	6.8	6.8	5.5	0.18	56		
M 06/05/2017	158	6.9	6.9	5.4	0.15	25		
T 06/06/2017	192	6.9	6.9	4.1	0.15	> 2,420		
W 06/07/2017	148	6.7	6.7	6.1	0.19	283		
Th 06/08/2017	149	6.8	6.8	6.2	0.20	70		
F 06/09/2017	147	6.9	6.9	6.1	0.19	3		
S 06/10/2017	141	6.8	6.8	6.2	0.18	9		
Su 06/11/2017	151	6.8	6.8	6.2	0.18	10		
M 06/12/2017	145	6.7	6.7	6.2	0.19	16		
T 06/13/2017	145	6.8	6.8	6.2	0.19	27		
W 06/14/2017	138	6.7	6.8	5.2	0.17	98		
Th 06/15/2017	136	6.8	6.7	5.9	0.15	17		
F 06/16/2017	133	6.8	6.7	5.7	0.16	8		
S 06/17/2017	184	6.8	6.7	5.4	0.19	6		
Su 06/18/2017	147	6.6	6.6	4.6	0.19	38		
M 06/19/2017	206	6.6	6.6	4.3	0.20	3		
T 06/20/2017	142	6.7	6.6	5.4	0.15	31		
M 06/21/2017	173	6.6	6.6	5.7	0.19	12		
Th 06/22/2017	155	6.6	6.6	6.1	0.15	202		
F 06/23/2017	158	6.7	6.7	6.0	0.16	54		
S 06/24/2017	209	6.8	6.8	3.4	0.38	613		
Su 06/25/2017	155	6.8	6.7	6.0	0.19	59		
M 06/26/2017	168	6.9	6.8	6.0	0.26	32		
T 06/27/2017	154	6.8	6.8	5.7	0.29	527		
W 06/28/2017	175	6.9	6.8	5.9	0.14	201		
Th 06/29/2017	149	6.8	6.7	5.8	0.13	156		
F 06/30/2017	143	6.8	6.7	5.4	0.15	90		
TOTAL	4,905	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	158	6.6	6.9	3.4	5.5	0.19	0.38	MEAN
								43

Wk1 155  
Wk2 147  
Wk3 170  
Wk4 163

**MAX**

EFFLUENT

NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO

MEAN

<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - JUNE 2017  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
06/01/2017	0.18	0.18	0.18	4.7	5.2	5.0	31	37	34
06/02/2017	0.19	0.21	0.20	4.3	4.6	4.5	29	13	20
06/03/2017	0.21	0.21	0.21	4.5	4.8	4.7	37	23	29
06/04/2017	0.19	0.17	0.18	5.2	5.7	5.5	109	29	56
06/05/2017	0.15	0.14	0.15	5.3	5.5	5.4	30	21	25
06/06/2017	0.24	0.06	0.15	4.0	4.1	4.1	> 2,420	> 2,420	> 2,420
06/07/2017	0.18	0.19	0.19	5.9	6.3	6.1	548	147	283
06/08/2017	0.20	0.20	0.20	6.1	6.2	6.2	126	38	70
06/09/2017	0.16	0.21	0.19	6.1	6.1	6.1	8	1	3
06/10/2017	0.18	0.17	0.18	6.2	6.2	6.2	16	5	9
06/11/2017	0.18	0.17	0.18	6.1	6.2	6.2	26	4	10
06/12/2017	0.20	0.18	0.19	6.2	6.2	6.2	19	15	16
06/13/2017	0.18	0.19	0.19	6.2	6.2	6.2	52	14	27
06/14/2017	0.13	0.20	0.17	5.2	5.2	5.2	186	51	98
06/15/2017	0.17	0.13	0.15	5.9	5.9	5.9	25	12	17
06/16/2017	0.17	0.15	0.16	5.6	5.7	5.7	10	6	8
06/17/2017	0.21	0.17	0.19	5.1	5.6	5.4	2	16	6
06/18/2017	0.20	0.17	0.19	4.5	4.6	4.6	88	16	38
06/19/2017	0.23	0.17	0.20	4.2	4.3	4.3	11	1	3
06/20/2017	0.15	0.15	0.15	5.0	5.7	5.4	39	25	31
06/21/2017	0.21	0.17	0.19	5.6	5.8	5.7	10	16	12
06/22/2017	0.15	0.15	0.15	5.9	6.3	6.1	613	66	202
06/23/2017	0.20	0.11	0.16	6.0	6.0	6.0	162	18	54
06/24/2017	0.34	0.41	0.38	3.4	3.3	3.4	727	517	613
06/25/2017	0.20	0.18	0.19	5.9	6.0	6.0	29	117	59
06/26/2017	0.26	0.25	0.26	6.0	5.9	6.0	21	50	32
06/27/2017	0.33	0.25	0.29	5.6	5.8	5.7	179	1,553	527
06/28/2017	0.14	0.14	0.14	5.9	5.9	5.9	219	185	201
06/29/2017	0.13	0.13	0.13	5.6	5.9	5.8	135	179	156
06/30/2017	0.15	0.14	0.15	5.2	5.5	5.4	72	113	90
Avg	0.19	0.18	0.19	5.4	5.6	5.5	56	33	43

# PERMIT NEWPCP - JUNE 2017

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
06/01/2017			
06/02/2017			
06/03/2017			
06/04/2017			
06/05/2017	127	7	94%
06/06/2017			
06/07/2017	126	6	95%
06/08/2017			
06/09/2017			
06/10/2017			
06/11/2017			
06/12/2017	134	7	95%
06/13/2017			
06/14/2017	181	9	95%
06/15/2017			
06/16/2017			
06/17/2017			
06/18/2017			
06/19/2017	123	14	89%
06/20/2017			
06/21/2017	142	7	95%
06/22/2017			
06/23/2017			
06/24/2017			
06/25/2017			
06/26/2017	135	7	95%
06/27/2017			
06/28/2017	149	7	95%
06/29/2017			
06/30/2017			
AVG	140	8	94%



**DESIGN - 210 MGD**

<b>NEWPCP - JUNE 2017</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
06/01/2017	43	84	26	153	183	
06/02/2017	42	80	26	148	176	
06/03/2017	42	85	26	153	186	0.01
06/04/2017	43	84	25	152	199	
06/05/2017	45	84	28	158	364	0.02
06/06/2017	58	100	35	192	404	0.23
06/07/2017	42	79	27	148	178	
06/08/2017	42	80	26	149	188	
06/09/2017	42	77	28	147	208	
06/10/2017	42	72	27	141	189	
06/11/2017	43	79	29	151	191	
06/12/2017	42	76	27	145	268	
06/13/2017	42	72	31	145	215	
06/14/2017	44	67	28	138	241	T
06/15/2017	41	68	28	136	178	
06/16/2017	40	68	26	133	161	
06/17/2017	65	83	37	184	393	0.09
06/18/2017	42	70	35	147	189	T
06/19/2017	67	97	43	206	428	0.56
06/20/2017	41	72	29	142	189	
06/21/2017	56	88	30	173	375	0.01
06/22/2017	41	84	30	155	183	
06/23/2017	45	83	30	158	312	0.02
06/24/2017	65	105	39	209	450	0.67
06/25/2017	45	83	28	155	199	
06/26/2017	52	83	33	168	393	
06/27/2017	44	83	28	154	225	0.25
06/28/2017	40	109	25	175	191	
06/29/2017	42	79	29	149	188	
06/30/2017	42	72	29	143	182	
<b>TOTAL</b>	<b>1,378</b>	<b>2,443</b>	<b>887</b>	<b>4,708</b>		<b>1.86</b>
<b>AVG</b>	<b>46</b>	<b>81</b>	<b>30</b>	<b>157</b>		
		<b>MIN</b>		<b>133</b>	<b>161</b>	
		<b>MAX</b>		<b>209</b>	<b>450</b>	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

**PA0026689**  
 PERMIT NUMBER

**001**  
 OUTFALL NUMBER

Reorting Frequency: Monthly  
 DMR Effective From: 06/01/2017  
 DMR Effective To: 06/30/2017  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2017	06	01	FROM	2017	06	30
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	3.4	5.5	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.6	***	6.9	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	4510	6214	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	3.63	4.12	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.734	.846	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	3.123	3.930	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	4.51	5.54	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.313	.461	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0028	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.300	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0070	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.1770	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0530	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total	Sample Measurement	***	***	***	***	<.0250	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	158	209	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.19	.38	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	43	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4022	4876	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	12377	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										

**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
E-NPDES NE-201706.xls	Daily Effluent Monitoring Form	2017-07-27T11:09:01-04:00	
NE Daily Composite (07-25-2017).pdf	Laboratory Accreditation Form	2017-07-27T11:18:32-04:00	
NE Daily Composite 2 (07-25-2017).pdf	Laboratory Accreditation Form	2017-07-27T11:18:58-04:00	
NE Daily Grab (07-25-2017).pdf	Laboratory Accreditation Form	2017-07-27T11:19:29-04:00	
BLSNE201706.xls	Nutrient Monitoring Form	2017-07-27T11:15:16-04:00	
sludge 201706SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-07-27T11:17:19-04:00	
NECSO 201706.xls	CSO Detailed Outfall Report Form	2017-07-27T11:16:48-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2017	7	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
 Northeast Water Pollution Control Plant  
**NPDES SUMMARY FOR THE MONTH OF JUNE 2016**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
06/07/2017	0.549	3.430	3.74	4.54	0.361
06/14/2017	0.846	2.720	4.12	5.54	0.461
06/21/2017	0.837	3.930	3.56	3.43	0.165
06/28/2017	0.704	2.410	3.09	4.54	0.263
<b>AVG</b>	0.734	3.123	3.63	4.51	0.313
<b>MAX</b>	0.846	3.930	4.12	5.54	0.461

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
06/08/2017	< 0.300

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	06/07/2017
Copper	0.0070
Iron	0.1770
Iron Dissolved	0.0530
Lead	< 0.0030
Zinc	< 0.0250

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	06/05/2017
1,2-Dichloroethane	< 0.0025
Chloroform	0.0028
Chlorodibromomethane	< 0.0025
Tetrachloroethylene	< 0.0025
Trichloroethylene	< 0.0025

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
JUNE 2017	Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP	Sludge Processed by MGD	DT	Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP	Sludge Processed by MGD	DT
	MGD	MGD		MGD	MGD	
06/01/2017	0.900	0.497	49	0.997	0.634	56.6
06/02/2017	0.897	0.714	59	0.000	0.000	0.0
06/03/2017	0.884	1.351	130	0.679	0.461	46.1
06/04/2017		0.023	1	0.953	0.902	89.4
06/05/2017	0.898	0.989	93	1.829	1.649	129.3
06/06/2017	0.887	0.440	39	1.677	1.438	137.7
06/07/2017	0.893	0.879	81	0.180	0.114	11.1
06/08/2017	0.896	0.851	96	0.685	0.491	48.0
06/09/2017	0.000	0.548	56	1.428	1.118	86.1
06/10/2017	0.917	0.642	65	1.098	0.901	86.0
06/11/2017	0.905	0.808	80	0.534	0.448	38.5
06/12/2017				0.884	0.700	58.2
06/13/2017	0.903	1.366	146	1.008	0.714	59.9
06/14/2017	0.912	0.212	23	1.696	1.411	106.3
06/15/2017	0.895	1.456	129	0.412	0.310	26.5
06/16/2017	0.898	0.990	83	0.944	0.953	81.0
06/17/2017	0.907	0.948	76	1.220	1.118	88.7
06/18/2017				2.884	2.638	218.5
06/19/2017	0.904	0.849	78	1.016	0.927	90.1
06/20/2017						
06/21/2017	0.855	0.388	38	1.573	1.348	207.5
06/22/2017	0.884	1.360	110	0.197	0.173	24.3
06/23/2017	0.902	0.676	69	0.874	0.628	90.4
06/24/2017		0.294	29	1.955	1.802	260.5
06/25/2017	0.885	0.629	61	0.723	0.673	52.5
06/26/2017	0.890	0.826	85	0.946	0.782	58.8
06/27/2017	0.895	0.918	89	0.551	0.494	37.6
06/28/2017	0.880	0.940	100	0.312	0.264	23.6
06/29/2017		0.115	11	1.134	1.010	99.6
06/30/2017	0.899	0.783	77	1.205	0.926	91.8
<b>TOTAL</b>	20.586	20.492	1,953	29.594	25.027	2,405
<b>AVERAGE</b>	0.858	0.759	72	1.020	0.863	83



Debra A. McCarty, Water Commissioner

May 27, 2017

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for June 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Quarterly

**Report Type:** DMR

**Reporting Period:** 04/01/2017-06/30/2017

**Report Due Date:** 07/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 62417

**Submission Status:** Received

**Submission Type:** Original





**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF APRIL 2017**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**04/21/2017**

**Toxicity, Ceriodaphnia acute**

**1**

**Toxicity, Ceriodaphnia chronic**

**1**

**Toxicity, Pimphales acute**

**1**

**Toxicity, Pimphales chronic**

**1**



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

**PA0026689**  
PERMIT NUMBER

**001**  
OUTFALL NUMBER

Reorting Frequency: Quarterly  
 DMR Effective From: 04/01/2017  
 DMR Effective To: 06/30/2017  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2017	04	01	FROM	2017	06	30
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival	Sample Measurement	***	***	***	***	***	1	TUa	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Toxicity, Chronic - Ceriodaphnia Survival	Sample Measurement	***	***	***	***	***	1	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Toxicity, Acute - Pimephales Survival	Sample Measurement	***	***	***	***	***	1	TUa	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Chlordane	Sample Measurement	***	***	***	***	<.0004033	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
3,3-Dichlorobenzidine	Sample Measurement	***	***	***	***	<.0050	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Benzidine	Sample Measurement	***	***	***	***	<.0567	***	mg/L	Grab	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/quarter
4,4-DDT	Sample Measurement	***	***	***	***	<.0000160	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDD	Sample Measurement	***	***	***	***	<.0000160	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDE	Sample Measurement	***	***	***	***	<.0000160	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
alpha-BHC	Sample Measurement	***	***	***	***	<.0000081	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
beta-BHC	Sample Measurement	***	***	***	***	<.0000081	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
gamma-BHC (Lindane)	Sample Measurement	***	***	***	***	<.0000100	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Dieldrin	Sample Measurement	***	***	***	***	<.0000160	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Endrin	Sample Measurement	***	***	***	***	<.0000160	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Heptachlor	Sample Measurement	***	***	***	***	.0000333	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Toxicity, Chronic - Pimephales Survival	Sample Measurement	***	***	***	***	***	1	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
<b>Facility Comments</b>										

**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
NE WET Testing Composite (05-24-2017).pdf	Laboratory Accreditation Form	2017-07-27T11:33:51-04:00	
BLSNE201704.xls	WET Test Summary Report	2017-07-27T11:34:58-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
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**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2017	7	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite

Report Date: 07/21/2017

WW170608-004

Composite 24h 06/08/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	6/9/2017	12:20	6/14/2017	7:50	2	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.21 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW170610-004

Composite 24h 06/10/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	6/11/2017	7:35	6/11/2017	9:35	2	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW170611-004

Composite 24h 06/11/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	6/12/2017	8:00	6/12/2017	10:10	4	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW170620-004

Composite 24h 06/20/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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Solids Suspended Total	SM 2540 D	6/21/2017	8:21	6/21/2017	10:28	3	mg/L	2.5	mg/L
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Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW170625-004

Composite 24h 06/25/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	6/26/2017	8:00	6/26/2017	10:08	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW170629-004

Composite 24h 06/29/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	6/30/2017	7:45	6/30/2017	9:50	3	mg/L	2.5	mg/L

Data Qualifiers:


Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 7/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite 2

Report Date: 07/21/2017

WW170607-008

Composite 24h 06/07/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	6/8/2017	9:25	6/13/2017	6:58	6	mg/L	2	mg/L
CBOD20	SM 5210 B	6/8/2017	9:25	6/28/2017	7:50	8	mg/L	2	mg/L
CBOD5	SM 5210 B	6/8/2017	9:25	6/13/2017	6:58	2	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	6/8/2017	7:55	6/8/2017	10:18	3	mg/L	2.5	mg/L

Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.21 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.21 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.21 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 85 to 115%.

WW170614-005

Composite 24h 06/14/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	6/15/2017	9:55	6/20/2017	6:10	9	mg/L	2	mg/L
CBOD20	SM 5210 B	6/15/2017	9:40	7/5/2017	6:25	11	mg/L	2	mg/L
CBOD5	SM 5210 B	6/15/2017	9:55	6/20/2017	6:10	2	mg/L	2	mg/L

Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW170621-005

Composite 24h 06/21/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	6/22/2017	7:50	6/22/2017	9:55	5	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW170628-005

Composite 24h 06/28/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	6/29/2017	8:35	7/4/2017	8:25	7	mg/L	2	mg/L
CBOD20	SM 5210 B	6/29/2017	8:25	7/19/2017	7:55	10	mg/L	2	mg/L
CBOD5	SM 5210 B	6/29/2017	8:35	7/4/2017	8:25	3	mg/L	2	mg/L

Data Qualifiers:


BOD5	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.
CBOD20	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 7/25/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report Date: 07/21/2017

WW170601-005

Grab 06/01/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			6/1/2017	9:23	0.18	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 19%. The maximum acceptable RPD is 15%. The measured results were 0.08 and 0.06 mg/L.
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WW170601-006

Grab 06/01/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			6/2/2017	9:23	0.18	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.06 and 0.05 mg/L.
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WW170608-005

Grab 06/08/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			6/8/2017	9:19	0.2	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.06 and 0.05 mg/L.
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WW170608-006

Grab 06/08/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			6/8/2017	9:19	0.2	mg/L	0.05	mg/L



Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.06 and 0.05 mg/l.
-------------------------	--

WW170619-006

Grab 06/19/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			6/19/2017	9:42	0.23	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.05 and 0.06 mg/L.
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WW170619-007

Grab 06/19/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			6/20/2017	9:42	0.17	mg/L	0.05	mg/L

Data Qualifiers:

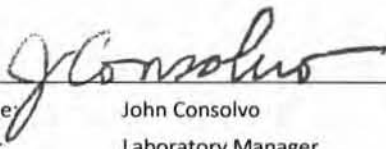
Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.05 and 0.06 mg/L.
-------------------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 7/21/2017



Debra A. McCarty, Water Commissioner

August 24, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for July 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name: PHILA WATER DEPT - NORTHEAST WPC PLANT**

**Permit Number: PA0026689**

**Report Frequency: Monthly**

**Report Type: DMR**

**Reporting Period: 07/01/2017-07/31/2017**

**Report Due Date: 08/28/2017**

**Submitted By: Mary Ellen Senss**

**Submission Id: 65070**

**Submission Status: Received**

**Submission Type: Original**

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for July 2017

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - JULY 2017 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	

S	07/01/2017	197	223	7	97		11,485		128	5	96		8,203	
Su	07/02/2017	152	159	2	99		2,535		117	2	98		2,535	
M	07/03/2017	145	206	3	99		3,626		121	1	99		1,209	9
T	07/04/2017	144	188	2	99		2,407		132	2	98		2,407	
W	07/05/2017	149	231	2	99		2,477		146	2	99		2,477	7
Th	07/06/2017	175	198	7	96		10,193		134	5	96		7,281	
F	07/07/2017	169	148	5	97		7,055		112	2	98		2,822	
S	07/08/2017	140	160	2	99		2,329		119	4	97		4,657	
Su	07/09/2017	136	158	3	98		3,412		144	2	99		2,275	
M	07/10/2017	138	190	5	97		5,740		160	3	98		3,444	12
T	07/11/2017	140	249	4	98		4,674		165	2	99		2,337	
W	07/12/2017	135	178	3	98		3,385		144	4	97		4,513	11
Th	07/13/2017	191	243	15	94		23,892		124	7	94		11,149	
F	07/14/2017	174	148	6	96		8,719		97	5	95		7,266	
S	07/15/2017	143	150	5	97		5,978		132	3	98		3,587	
Su	07/16/2017	136	173	3	98		3,403		130	2	98		2,269	
M	07/17/2017	141	171	4	98		4,710		144	3	98		3,533	10
T	07/18/2017	135	189	2	99		2,259		140	4	97		4,518	
M	07/19/2017	125	176	3	98		3,132		146	3	98		3,132	9
Th	07/20/2017	143	200	4	98		4,783		151	3	98		3,588	
F	07/21/2017	134	204	4	98		4,457		139	5	96		5,571	
S	07/22/2017	179	241	5	98		7,448		123	6	95		8,938	
Su	07/23/2017	269	137	6	96		13,477		92	3	97		6,739	
M	07/24/2017	200	162	8	95		13,317		89	4	96		6,658	13
T	07/25/2017	206	140	3	98		5,142		115	2	98		3,428	
W	07/26/2017	146	184	2	99		2,443		124	3	98		3,664	10
Th	07/27/2017	155	219	2	99		2,582		176	2	99		2,582	
F	07/28/2017	164	176	3	98		4,109		123	2	98		2,739	
S	07/29/2017	173	180	4	98		5,758		111	3	97		4,318	
Su	07/30/2017	150	201	2	99		2,504		148	5	97		6,261	
M	07/31/2017	149	188	1	99		1,241		137	2	99		2,481	
									137					

TOTAL AVERAGE	4,933 159	5,770 186	4	98	5,764	4,063 131	3	97	4,406	10
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Wk1	153	184	3	98	4,374	126	3	98	3,341
Wk2	151	188	6	97	7,971	138	4	97	4,939
Wk3	142	193	4	98	4,313	139	4	97	4,507
Wk4	188	171	4	98	6,690	119	3	98	4,304

MAX 269

CBOD 20 LBS-- 12,595

NPDES/D LIMITS	MO	<b>&lt;30</b>	<b>&gt;85</b>	<b>&lt;52,540</b>	<b>&lt;25</b>	<b>&gt;86</b>	<b>&lt;36,430</b>
	WK	<b>&lt;45</b>		<b>&lt;78,810</b>	<b>&lt;40</b>		<b>&lt;54,645</b>

CBOD 20 LBS-- <71,760

- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - JULY 2017**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
S 07/01/2017	197	6.8	6.8	5.1	0.12	46		
Su 07/02/2017	152	6.6	6.6	4.9	0.06	698		
M 07/03/2017	145	6.8	6.7	4.8	0.08	51		
T 07/04/2017	144	6.8	6.8	5.5	0.10	64		
W 07/05/2017	149	6.8	6.8	5.8	0.11	58		
Th 07/06/2017	175	6.8	6.8	5.8	0.15	82		
F 07/07/2017	169	6.7	6.7	5.3	0.13	47		
S 07/08/2017	140	6.6	6.6	6.0	0.15	14		
Su 07/09/2017	136	6.7	6.7	6.2	0.16	5		
M 07/10/2017	138	6.8	6.8	6.1	0.22	6		
T 07/11/2017	140	6.9	6.8	5.9	0.20	8		
W 07/12/2017	135	6.9	6.8	5.9	0.21	3		
Th 07/13/2017	191	6.8	6.8	5.9	0.18	5		
F 07/14/2017	174	6.7	6.7	4.8	0.41	17		
S 07/15/2017	143	6.7	6.8	5.6	0.25	43		
Su 07/16/2017	136	6.9	6.9	5.5	0.26	66		
M 07/17/2017	141	6.8	6.8	4.9	0.22	82		
T 07/18/2017	135	6.9	6.8	4.4	0.24	32		
M 07/19/2017	125	6.8	6.8	4.8	0.19	128		
Th 07/20/2017	143	6.9	6.8	5.4	0.32	36		
F 07/21/2017	134	6.9	6.9	5.9	0.21	18		
S 07/22/2017	179	6.8	6.8	5.8	0.13	14		
Su 07/23/2017	269	6.7	6.7	5.6	0.14	16		
M 07/24/2017	200	6.7	6.7	4.4	0.14	90		
T 07/25/2017	206	6.5	6.6	5.8	0.19	20		
W 07/26/2017	146	6.9	6.9	5.8	0.24	7		
Th 07/27/2017	155	7.0	6.9	5.6	0.21	6		
F 07/28/2017	164	6.9	6.9	5.5	0.22	5		
S 07/29/2017	173	6.9	6.9	3.9	0.35	23		
Su 07/30/2017	150	6.8	6.8	4.9	0.19	4		
M 07/31/2017	149	6.9	6.9	4.6	0.25	11		
TOTAL	4,933	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC MEAN 23
AVERAGE	159	6.5	7.0	3.9	5.4	0.19	0.41	

Wk1 153  
Wk2 151  
Wk3 142  
Wk4 188

**MAX** 269

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - JULY 2017  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
07/01/2017	0.13	0.11	0.12	4.9	5.2	5.1	40	53	46
07/02/2017	0.07	0.05	0.06	4.7	5.1	4.9	345	1,414	698
07/03/2017	0.07	0.08	0.08	4.6	5.0	4.8	42	62	51
07/04/2017	0.10	0.09	0.10	5.3	5.7	5.5	63	66	64
07/05/2017	0.12	0.09	0.11	5.8	5.8	5.8	47	71	58
07/06/2017	0.15	0.14	0.15	5.7	5.8	5.8	58	116	82
07/07/2017	0.16	0.10	0.13	5.2	5.4	5.3	33	68	47
07/08/2017	0.15	0.14	0.15	6.0	6.0	6.0	26	7	14
07/09/2017	0.17	0.15	0.16	6.1	6.2	6.2	6	4	5
07/10/2017	0.21	0.23	0.22	6.1	6.1	6.1	10	4	6
07/11/2017	0.20	0.19	0.20	5.9	5.8	5.9	6	11	8
07/12/2017	0.20	0.22	0.21	5.9	5.8	5.9	5	2	3
07/13/2017	0.18	0.17	0.18	5.9	5.8	5.9	11	2	5
07/14/2017	0.42	0.39	0.41	5.1	4.5	4.8	9	33	17
07/15/2017	0.27	0.23	0.25	5.6	5.6	5.6	48	38	43
07/16/2017	0.25	0.26	0.26	5.3	5.6	5.5	45	99	66
07/17/2017	0.23	0.20	0.22	4.8	5.0	4.9	44	152	82
07/18/2017	0.24	0.23	0.24	4.2	4.5	4.4	32	33	32
07/19/2017	0.21	0.16	0.19	4.6	5.0	4.8	82	199	128
07/20/2017	0.33	0.31	0.32	5.1	5.6	5.4	26	50	36
07/21/2017	0.25	0.17	0.21	5.8	6.0	5.9	12	27	18
07/22/2017	0.13	0.13	0.13	5.8	5.8	5.8	17	11	14
07/23/2017	0.15	0.13	0.14	5.6	5.5	5.6	16	17	16
07/24/2017	0.11	0.17	0.14	4.3	4.4	4.4	48	167	90
07/25/2017	0.24	0.13	0.19	5.7	5.9	5.8	3	130	20
07/26/2017	0.28	0.19	0.24	5.7	5.8	5.8	4	11	7
07/27/2017	0.21	0.21	0.21	5.5	5.6	5.6	6	5	6
07/28/2017	0.24	0.20	0.22	5.4	5.5	5.5	5	5	5
07/29/2017	0.36	0.34	0.35	3.8	3.9	3.9	4	131	23
07/30/2017	0.20	0.18	0.19	4.8	4.9	4.9	3	5	4
07/31/2017	0.26	0.24	0.25	4.6	4.6	4.6	11	11	11
Avg	0.20	0.18	0.19	5.3	5.4	5.4	18	29	23

# PERMIT NEWPCP - JULY 2017

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
07/01/2017			
07/02/2017			
07/03/2017	132	7	95%
07/04/2017			
07/05/2017	152	6	96%
07/06/2017			
07/07/2017			
07/08/2017			
07/09/2017			
07/10/2017	166	7	96%
07/11/2017			
07/12/2017	167	5	97%
07/13/2017			
07/14/2017			
07/15/2017			
07/16/2017			
07/17/2017	145	7	95%
07/18/2017			
07/19/2017	143	6	96%
07/20/2017			
07/21/2017			
07/22/2017			
07/23/2017			
07/24/2017	104	11	89%
07/25/2017			
07/26/2017	128	4	97%
07/27/2017			
07/28/2017			
07/29/2017			
07/30/2017			
07/31/2017			
AVG	142	7	95%

DESIGN - 210 MGD

NEWPCP - JULY 2017						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
07/01/2017	61	95	40	197	443	0.63
07/02/2017	42	81	29	152	182	
07/03/2017	42	74	30	145	184	
07/04/2017	41	72	31	144	217	0.33
07/05/2017	40	81	28	149	197	
07/06/2017	45	94	35	175	415	0.26
07/07/2017	56	79	34	169	304	0.51
07/08/2017	41	70	28	140	181	0.01
07/09/2017	40	70	25	136	174	
07/10/2017	40	70	28	138	180	
07/11/2017	40	70	29	140	185	
07/12/2017	40	67	28	135	198	
07/13/2017	62	92	37	191	464	
07/14/2017	57	82	35	174	406	0.41
07/15/2017	41	74	28	143	186	0.01
07/16/2017	41	68	28	136	174	
07/17/2017	42	73	26	141	229	0.01
07/18/2017	40	66	29	135	175	
07/19/2017	40	55	30	125	275	
07/20/2017	41	72	30	143	221	
07/21/2017	40	63	30	134	195	
07/22/2017	59	81	39	179	398	
07/23/2017	72	148	49	269	438	0.31
07/24/2017	76	80	44	200	475	2.46
07/25/2017	43	134	29	206	206	0.01
07/26/2017	42	75	29	146	194	
07/27/2017	42	85	29	155	193	T
07/28/2017	49	80	35	164	391	0.01
07/29/2017	53	89	31	173	350	0.39
07/30/2017	47	76	27	150	192	
07/31/2017	41	80	28	149	196	
TOTAL	1,458	2,495	979	4,933		5.35
AVG	47	80	32	159		
		MIN		125	174	
		MAX		269	475	

\* ADJUSTED FOR RECYCLE.



PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JULY 2017

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
07/05/2017	1.180	3.410	3.49	4.85	0.255
07/13/2017	1.240	2.630	3.97	5.44	0.261
07/19/2017	1.130	2.300	7.42	5.14	0.258
07/26/2017	0.871	2.590	3.00	4.04	0.177
<b>AVG</b>	1.105	2.733	4.47	4.87	0.238
<b>MAX</b>	1.240	3.410	7.42	5.44	0.261

**Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
07/13/2017	< 0.030

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	
07/13/2017	
Copper	0.0060
Iron	0.5500
Iron Dissolved	0.0590
Lead	< 0.0030
Zinc	< 0.0250

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	
07/10/2017	
1,2-Dichloroethane	< 0.0025
Chloroform	0.0042
Chlorodibromomethane	< 0.0025
Tetrachloroethylene	< 0.0025
Trichloroethylene	< 0.0025



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

**PA0026689**  
PERMIT NUMBER

**001**  
OUTFALL NUMBER

Reorting Frequency: Monthly  
 DMR Effective From: 07/01/2017  
 DMR Effective To: 07/31/2017  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2017	07	01	FROM	2017	07	31
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	3.9	5.4	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.5	***	7.0	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5764	7971	lbs/day	***	4	6	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	4.47	7.42	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	1.105	1.240	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	2.733	3.410	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	4.87	5.44	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.238	.261	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0042	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0060	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.5500	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0590	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF CLEAN WATER  
 DISCHARGE MONITORING REPORT (DMR)



Zinc, Total	Sample Measurement	***	***	***	***	<.0250	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	159	269	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.19	.41	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	23	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4406	4939	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	12595	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
Facility Comments										

**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
NE NPDES Cyanide Monthly Grab (08-21-2017).pdf	Laboratory Accreditation Form	2017-08-24T10:12:50-04:00	
BLSNE201707.xls	Nutrient Monitoring Form	2017-08-24T10:08:35-04:00	
201707SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-08-24T10:10:28-04:00	
NE Fecal Coliform Daily (08-21-2017).pdf	Laboratory Accreditation Form	2017-08-24T10:12:21-04:00	
E-NPDES NE-201707.xls	Daily Effluent Monitoring Form	2017-08-24T10:07:43-04:00	
NE Daily Composite (08-21-2017).pdf	Laboratory Accreditation Form	2017-08-24T10:11:24-04:00	
NE Daily Composite 2 (08-21-2017).pdf	Laboratory Accreditation Form	2017-08-24T10:11:54-04:00	
NECSO 201707.xls	CSO Detailed Outfall Report Form	2017-08-24T10:09:43-04:00	
NE Outfall Monthly Composite 1 (08-21-2017).pdf	Laboratory Accreditation Form	2017-08-24T10:13:19-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
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**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2017	8	24
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
JULY 2017	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	Biosolids Recycle Center / Synagro From NEWPCP			Biosolids Recycle Center / Synagro From SWWPCP		
	MGD	MGD		MGD	MGD	
07/01/2017	0.890	1.102	114	0.945	1.011	157.9
07/02/2017	0.877	0.585	64	1.622	1.410	126.7
07/03/2017	0.891	0.894	91	0.327	0.085	5.5
07/04/2017	0.000	0.289	27	2.090	1.766	124.5
07/05/2017	0.893	0.824	80	0.415	0.297	24.7
07/06/2017	0.903	1.018	109	0.904	0.767	70.2
07/07/2017	0.000	0.000	0	1.060	0.707	62.2
07/08/2017	0.911	0.856	84	1.557	1.170	100.3
07/09/2017	0.891	0.899	84	0.810	0.751	70.2
07/10/2017	0.000	0.000	0	0.887	0.805	74.9
07/11/2017	0.917	0.482	51	0.981	0.728	73.5
07/12/2017	0.000	0.173	17	0.884	0.708	59.3
07/13/2017	0.914	0.978	92	0.916	0.638	55.3
07/14/2017	0.902	1.081	110	0.902	0.888	76.6
07/15/2017	0.000	0.000	0	0.992	0.905	82.8
07/16/2017	1.184	1.211	128	0.809	0.510	42.2
07/17/2017	0.619	0.609	64	0.787	0.546	64.6
07/18/2017	0.886	0.506	50	1.365	1.125	103.7
07/19/2017	0.909	0.896	93	0.824	0.689	66.2
07/20/2017	0.912	0.672	73	0.903	0.752	65.6
07/21/2017	0.000	0.619	70	1.055	0.840	72.7
07/22/2017	0.883	0.896	93	0.934	0.589	50.8
07/23/2017	0.000	0.000	0	0.994	0.814	76.0
07/24/2017	0.937	0.077	8	0.043	0.000	0.0
07/25/2017	0.885	0.799	81	0.001	0.000	0.0
07/26/2017	0.000	0.833	73	1.825	1.574	192.3
07/27/2017	0.862	0.932	80	0.961	0.754	59.7
07/28/2017	0.908	0.798	76	0.939	0.836	61.1
07/29/2017	0.912	0.672	58	1.261	1.102	115.1
07/30/2017	0.000	0.346	39	1.153	0.911	78.9
07/31/2017	0.923	0.112	11	1.013	0.793	86.0
<b>TOTAL</b>	19.810	19.161	1,923	30.156	24.469	2,299
<b>AVERAGE</b>	0.639	0.618	62	0.973	0.789	74

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite

Report Date: 08/21/2017

WW170708-004

Composite 24h 07/08/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/9/2017	9:25	7/14/2017	8:25	4.00	mg/L	2.00	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 119%. Acceptance limits are 85 to 115%.
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WW170709-004

Composite 24h 07/09/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/10/2017	7:35	7/10/2017	9:35	3.00	mg/L	2.50	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 118%. Acceptance limits are 85 to 115%.
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WW170716-004

Composite 24h 07/16/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/17/2017	8:05	7/17/2017	10:12	3.00	mg/L	2.50	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.
------------------------	--

WW170718-004

Composite 24h 07/18/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/19/2017	10:05	7/24/2017	0:00	4.00	mg/L	2.00	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.
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WW170721-004

Composite 24h 07/21/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/22/2017	9:10	7/22/2017	11:40	4.00	mg/L	2.50	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 120%. Acceptance limits are 85 to 115%.
------------------------	---

WW170723-004

Composite 24h 07/23/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/24/2017	9:30	7/29/2017	8:25	3.00	mg/L	2.00	mg/L

## Data Qualifiers:

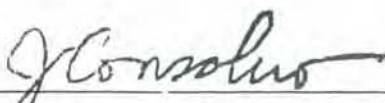
CBOD5	Laboratory Fortified Blank (LFB) recovery is 119%. Acceptance limits are 85 to 115%.
-------	--

## Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 8/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite 2

Report Date: 08/21/2017

WW170710-005

Composite 24h 07/10/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	7/11/2017	11:05	7/16/2017	8:15	7.00	mg/L	2.00	mg/L
CBOD20	SM 5210 B	7/11/2017	10:46	7/31/2017	7:55	12.00	mg/L	2.00	mg/L
CBOD5	SM 5210 B	7/11/2017	11:05	7/16/2017	8:15	3.00	mg/L	2.00	mg/L

Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW170726-005

Composite 24h 07/26/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	7/27/2017	10:40	8/1/2017	6:45	4.00	mg/L	2.00	mg/L
CBOD20	SM 5210 B	7/27/2017	10:00	8/16/2017	7:30	10.00	mg/L	2.00	mg/L
CBOD5	SM 5210 B	7/27/2017	10:40	8/1/2017	6:45	3.00	mg/L	2.00	mg/L

Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 119%. Acceptance limits are 85 to 115%.
CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 122%. Acceptance limits are 85 to 115%.



CBOD5

Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 122%. Acceptance limits are 85 to 115%.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 8/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Fecal Coliform Daily

Report Date: 08/21/2017

WW170712-020

Grab 07/12/2017 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			7/13/2017	8:09	5.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.716. The maximum acceptable PCV is 0.556. The measured results were 5.2 MPN/100mL and 1.0 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
---	---

WW170712-021

Grab 07/12/2017 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			7/13/2017	8:09	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.716. The maximum acceptable PCV is 0.556. The measured results were 5.2 MPN/100mL and 1.0 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
---	---

WW170715-019

Grab 07/15/2017 09:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18 /Quantitray			7/16/2017	7:35	48.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.612. The maximum acceptable PCV is 0.556. The measured results were 4.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
---	---

WW170715-020

Grab 07/15/2017 09:05

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18 /Quantitray			7/16/2017	7:35	38.3	MPN/100 mL	<1	MPN/100 mL
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Data Qualifiers:

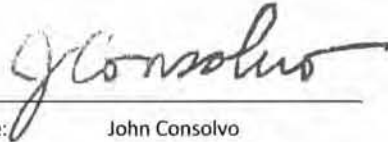
Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.612. The maximum acceptable PCV is 0.556. The measured results were 4.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
---	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 8/21/2017

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

NE - NPDES Cyanide Monthly Grab

Report Date: 08/21/2017

WW170712-034

Grab 07/12/2017 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	7/19/2017	8:40	7/20/2017	12:34	0.010 <sup>E</sup>	mg/L	0.010	mg/L

Data Qualifiers:

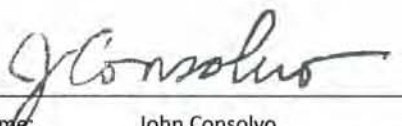
Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 0%. Acceptance limits are 90 to 110%. The reported value is an estimate because the concentration is less than the minimum reporting limit but greater than the Method Detection Limit (MDL).
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 8/21/2017

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

NE Outfall Monthly Composite 1

Report Date: 08/21/2017

WW170712-025

Composite 24h 07/12/2017 07:40

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Nitrite	EPA 300.0 rev 2.1			7/13/2017	2:18	1.24	mg/L as N	0.05	mg/L as N

Data Qualifiers:

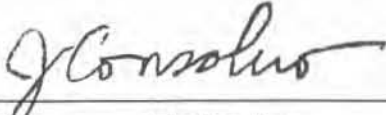
Nitrite	Laboratory Fortified Matrix (LFM) recovery is 88%. Acceptance limits are 90 to 110%.
---------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 8/21/2017



Debra A. McCarty, Water Commissioner

September 28, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for August 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 08/01/2017-08/31/2017

**Report Due Date:** 09/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 68844

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for August 2017

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT

## NEWPCP - AUGUST 2017

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 LBS*** (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	
S 07/30/2017	150	201	2	99		2,504	148	5	97	6,261	
M 07/31/2017	149	188	1	99		1,241	137	2	99	2,481	
T 08/01/2017	161	196	4	98		5,355	138	3	98	4,016	15
W 08/02/2017	167	290	4	99		5,574	115	3	97	4,181	
Th 08/03/2017	158	164	4	98		5,267	111	3	97	3,950	10
F 08/04/2017	194	156	4	97		6,455	115	3	97	4,841	
S 08/05/2017	181	142	4	97		6,041	94	5	95	7,552	
Su 08/06/2017	145	138	2	99		2,418	124	2	98	2,418	
M 08/07/2017	242	158	5	97		10,076	106	4	96	8,061	6
T 08/08/2017	152	180	2	99		2,531	114	4	96	5,062	
W 08/09/2017	151	238	2	99		2,512	146	2	99	2,512	7
Th 08/10/2017	145	165	2	99		2,425	125	2	98	2,425	
F 08/11/2017	157	215	3	99		3,933	133	6	95	7,866	7
S 08/12/2017	143	220	2	99		2,391	133	2	98	2,391	
Su 08/13/2017	140	201	2	99		2,338	124	2	98	2,338	
M 08/14/2017	138	212	3	99		3,449	135	4	97	4,599	11
T 08/15/2017	151	243	3	99		3,783	154	4	97	5,044	
W 08/16/2017	140	208	5	98		5,841	140	2	99	2,337	11
Th 08/17/2017	144	148	5	97		5,991	158	4	97	4,793	
F 08/18/2017	198	205	10	95		16,500	127	8	94	13,200	
S 08/19/2017	209	132	6	95		10,450	119	7	94	12,192	
Su 08/20/2017	222	190	3	98		5,542	128	2	98	3,695	
M 08/21/2017	149	204	2	99		2,486	139	3	98	3,729	11
T 08/22/2017	186	216	5	98		7,773	137	5	96	7,773	
W 08/23/2017	140	158	4	97		4,685	132	3	98	3,514	8
Th 08/24/2017	138	133	4	97		4,612	126	2	98	2,306	
F 08/25/2017	137	202	4	98		4,573	170	5	97	5,717	
S 08/26/2017	137	204	5	98		5,723	136	2	99	2,289	
Su 08/27/2017	134	195	2	99		2,238	139	2	99	2,238	
M 08/28/2017	133	188	3	98		3,328	129	3	98	3,328	10
T 08/29/2017	235	198	10	95		19,564	124	8	94	15,651	
W 08/30/2017	141	150	3	98		3,524	119	2	98	2,349	7
Th 08/31/2017	142	216	2	99		2,372	136	4	97	4,744	

TOTAL	5,010	5,865					4,026				
AVERAGE	162	189	4	98		5,476	130	4	97	5,068	9

Wk1	166	191	3	98	4,634	123	3	97	4,755
Wk2	162	188	3	99	3,755	126	3	97	4,391
Wk3	160	193	5	97	6,908	137	4	97	6,358
Wk4	159	187	4	98	5,056	138	3	98	4,146

MAX	242
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CBOD 20 LBS--	11,933
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NPDES/D  
LIMITS

MO	<30	>85	<52,540
WK	<45		<78,810

<25	>86	<36,430
<40		<54,645

CBOD 20 LBS--	<71,760
---------------	---------

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.



**PERMIT**  
**NEWPCP - AUGUST 2017**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
T 08/01/2017	161	6.8	6.8	4.4	0.18	20		
W 08/02/2017	167	6.8	6.8	4.9	0.20	13		
Th 08/03/2017	158	6.7	6.7	5.4	0.12	15		
F 08/04/2017	194	6.7	6.8	5.6	0.19	13		
S 08/05/2017	181	6.7	6.6	4.0	0.16	44		
Su 08/06/2017	145	6.8	6.8	6.0	0.22	69		
M 08/07/2017	242	6.8	6.8	4.6	0.32	48		
T 08/08/2017	152	6.8	6.8	5.9	0.18	435		
W 08/09/2017	151	6.9	6.9	5.9	0.20	50		
Th 08/10/2017	145	6.9	6.9	5.9	0.22	58		
F 08/11/2017	157	6.8	6.8	5.8	0.17	22		
S 08/12/2017	143	6.8	6.8	5.7	0.17	19		
Su 08/13/2017	140	6.9	6.9	5.6	0.11	10		
M 08/14/2017	138	6.8	6.8	5.4	0.16	9		
T 08/15/2017	151	6.8	6.8	4.6	0.26	4		
W 08/16/2017	140	6.8	6.7	4.2	0.18	19		
Th 08/17/2017	144	6.9	6.8	5.0	0.13	5		
F 08/18/2017	198	6.9	6.8	4.2	0.29	15		
S 08/19/2017	209	6.7	6.6	5.8	0.14	14		
Su 08/20/2017	222	6.6	6.7	6.0	0.17	9		
M 08/21/2017	149	6.8	6.8	5.8	0.27	108		
T 08/22/2017	186	6.9	6.8	5.8	0.18	116		
W 08/23/2017	140	6.7	6.7	5.6	0.18	630		
Th 08/24/2017	138	6.9	6.8	5.8	0.21	209		
F 08/25/2017	137	6.9	6.8	5.8	0.21	79		
S 08/26/2017	137	6.9	6.9	6.2	0.19	344		
Su 08/27/2017	134	6.9	6.8	5.8	0.22	163		
M 08/28/2017	133	6.7	6.7	5.7	0.20	41		
T 08/29/2017	235	6.9	6.9	5.2	0.14	171		
W 08/30/2017	141	6.6	6.6	4.8	0.08	771		
Th 08/31/2017	142	6.9	6.8	4.6	0.24	570		
TOTAL	5,010	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	162	6.6	6.9	4.0	5.3	0.19	0.32	MEAN
								47

Wk1 166  
Wk2 162  
Wk3 160  
Wk4 159

**MAX** 242

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - AUGUST 2017  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
08/01/2017	0.18	0.17	0.18	4.3	4.5	4.4	20	20	20
08/02/2017	0.21	0.18	0.20	4.7	5.0	4.9	13	12	13
08/03/2017	0.16	0.08	0.12	5.3	5.5	5.4	18	12	15
08/04/2017	0.19	0.19	0.19	5.5	5.6	5.6	31	5	13
08/05/2017	0.15	0.16	0.16	4.0	4.0	4.0	67	29	44
08/06/2017	0.21	0.22	0.22	6.0	5.9	6.0	57	84	69
08/07/2017	0.30	0.33	0.32	4.6	4.6	4.6	33	69	48
08/08/2017	0.15	0.21	0.18	5.8	5.9	5.9	387	488	435
08/09/2017	0.18	0.22	0.20	5.9	5.9	5.9	78	31	50
08/10/2017	0.23	0.21	0.22	5.8	5.9	5.9	101	34	58
08/11/2017	0.19	0.15	0.17	5.7	5.8	5.8	28	17	22
08/12/2017	0.21	0.13	0.17	5.6	5.7	5.7	18	21	19
08/13/2017	0.12	0.10	0.11	5.5	5.6	5.6	13	8	10
08/14/2017	0.16	0.15	0.16	5.3	5.5	5.4	12	6	9
08/15/2017	0.35	0.17	0.26	4.5	4.7	4.6	3	6	4
08/16/2017	0.17	0.18	0.18	4.1	4.2	4.2	20	18	19
08/17/2017	0.14	0.12	0.13	4.8	5.1	5.0	5	4	5
08/18/2017	0.30	0.28	0.29	4.2	4.2	4.2	14	16	15
08/19/2017	0.12	0.15	0.14	5.7	5.9	5.8	17	11	14
08/20/2017	0.17	0.17	0.17	6.0	6.0	6.0	15	5	9
08/21/2017	0.26	0.28	0.27	5.8	5.8	5.8	135	86	108
08/22/2017	0.18	0.17	0.18	5.8	5.8	5.8	120	112	116
08/23/2017	0.16	0.19	0.18	5.5	5.7	5.6	281	1,414	630
08/24/2017	0.19	0.22	0.21	5.7	5.8	5.8	397	110	209
08/25/2017	0.20	0.21	0.21	5.8	5.8	5.8	144	44	79
08/26/2017	0.22	0.16	0.19	6.2	6.2	6.2	435	272	344
08/27/2017	0.23	0.20	0.22	5.8	5.8	5.8	144	184	163
08/28/2017	0.23	0.17	0.20	5.6	5.7	5.7	5	326	41
08/29/2017	0.14	0.13	0.14	5.2	5.2	5.2	249	118	171
08/30/2017	0.10	0.05	0.08	4.6	4.9	4.8	1,300	457	771
08/31/2017	0.24	0.24	0.24	4.5	4.6	4.6	501	649	570
Avg	0.19	0.18	0.19	5.3	5.4	5.3	51	43	47

**PERMIT  
NEWPCP - AUGUST 2017**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
08/01/2017	131	7	95%
08/02/2017			
08/03/2017	115	5	96%
08/04/2017			
08/05/2017			
08/06/2017			
08/07/2017	110	11	90%
08/08/2017			
08/09/2017	146	6	96%
08/10/2017			
08/11/2017			
08/12/2017			
08/13/2017			
08/14/2017	148	5	97%
08/15/2017			
08/16/2017	139	6	96%
08/17/2017			
08/18/2017			
08/19/2017			
08/20/2017			
08/21/2017	148	6	96%
08/22/2017			
08/23/2017	125	5	96%
08/24/2017			
08/25/2017			
08/26/2017			
08/27/2017			
08/28/2017			
08/29/2017			
08/30/2017			
08/31/2017			
AVG	133	6	95%

DESIGN - 210 MGD

NEWPCP - AUGUST 2017						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
08/01/2017	43	84	34	161	196	
08/02/2017	64	67	36	167	429	1.37
08/03/2017	41	85	32	158	324	T
08/04/2017	52	98	43	194	438	
08/05/2017	55	93	33	181	345	0.84
08/06/2017	42	73	30	145	181	
08/07/2017	81	114	46	242	422	0.54
08/08/2017	43	80	29	152	180	
08/09/2017	42	76	33	151	193	
08/10/2017	42	74	30	145	207	T
08/11/2017	45	79	33	157	281	0.04
08/12/2017	42	73	28	143	193	0.06
08/13/2017	41	72	27	140	176	
08/14/2017	41	71	26	138	189	T
08/15/2017	44	74	33	151	279	0.14
08/16/2017	41	68	31	140	194	
08/17/2017	41	74	29	144	183	
08/18/2017	59	107	32	198	426	0.16
08/19/2017	42	134	33	209	190	
08/20/2017	40	151	31	222	190	
08/21/2017	40	77	32	149	239	
08/22/2017	56	89	42	186	433	2.06
08/23/2017	39	70	31	140	192	0.10
08/24/2017	39	69	30	138	191	
08/25/2017	39	68	31	137	181	T
08/26/2017	39	69	30	137	171	
08/27/2017	38	67	29	134	170	
08/28/2017	38	67	28	133	168	
08/29/2017	75	109	50	235	369	0.74
08/30/2017	39	74	28	141	227	
08/31/2017	44	70	29	142	269	
TOTAL	1,426	2,575	1,009	5,010		6.05
AVG	46	83	33	162		
			MIN	133	168	
			MAX	242	438	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

**PA0026689**  
 PERMIT NUMBER

**001**  
 OUTFALL NUMBER

Reorting Frequency: Monthly  
 DMR Effective From: 08/01/2017  
 DMR Effective To: 08/31/2017  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2017	08	01	FROM	2017	08	31
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	4.0	5.3	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.6	***	6.9	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5476	6908	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	4.66	5.50	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.924	1.170	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	1.850	2.710	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	5.60	6.93	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.266	.451	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0031	***	mg/L	Grab	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.020	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0040	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.1773	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0583	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF CLEAN WATER  
 DISCHARGE MONITORING REPORT (DMR)



Zinc, Total	Sample Measurement	***	***	***	***	<.0250	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	162	242	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.19	.32	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	47	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	5068	6358	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	11933	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
Facility Comments										

**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
NE Daily Composite 1 and 2 (09-22-2017).pdf	Laboratory Accreditation Form	2017-09-27T16:36:19-04:00	
NE WET Testing Composite (09-22-2017).pdf	Laboratory Accreditation Form	2017-09-27T16:36:49-04:00	
201708SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-09-27T16:35:47-04:00	
BLSNE201708.xls	Nutrient Monitoring Form	2017-09-27T16:34:53-04:00	
NECSO 201708.xls	CSO Detailed Outfall Report Form	2017-09-27T16:35:16-04:00	
E-NPDES NE-201708.xls	Daily Effluent Monitoring Form	2017-09-27T16:34:27-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
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**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2017	9	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY





**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF AUGUST 2017**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**08/11/2017**

<b>Toxicity, Ceriodaphnia acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Ceriodaphnia chronic</b>		<b>1</b>
<b>Toxicity, Pimphales acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Pimphales chronic</b>		<b>1</b>

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
AUGUST 2017	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
08/01/2017	0.942	1.394	176	0.517	0.398	46.9
08/02/2017	0.892	0.801	81	1.842	1.665	198.3
08/03/2017	0.000	0.388	39	1.108	1.033	126.1
08/04/2017	0.891	0.667	68	0.523	0.195	18.4
08/05/2017	0.911	0.857	91	0.000	0.000	0.0
08/06/2017	0.890	1.082	148	0.583	0.319	35.2
08/07/2017	0.000	0.191	17	1.118	0.999	100.9
08/08/2017	0.900	0.901	85	1.246	0.945	90.4
08/09/2017	0.931	0.930	112	1.419	1.250	139.4
08/10/2017	0.888	0.839	72	1.460	1.177	134.8
08/11/2017	0.923	0.959	82	0.892	0.785	86.8
08/12/2017	0.000	0.000	0	1.125	0.783	86.7
08/13/2017	0.905	0.942	106	1.045	0.647	63.9
08/14/2017	0.000	0.028	3	1.059	0.740	87.3
08/15/2017	0.300	0.309	33	1.185	0.864	81.4
08/16/2017	0.911	0.856	87	0.654	0.366	39.6
08/17/2017	0.596	0.573	56	1.097	0.878	95.3
08/18/2017	0.901	0.786	66	1.019	0.916	106.8
08/19/2017	0.898	0.920	92	1.137	1.032	159.2
08/20/2017	0.917	0.867	84	0.881	0.856	132.8
08/21/2017	0.901	0.708	69	0.640	0.487	72.8
08/22/2017	0.917	0.513	53	0.592	0.450	51.5
08/23/2017	0.000	0.679	61	0.361	0.243	25.3
08/24/2017	0.914	0.460	54	0.613	0.387	44.2
08/25/2017	0.891	0.763	95	1.082	0.772	88.2
08/26/2017	0.911	1.203	148	0.827	0.595	59.7
08/27/2017	0.897	1.049	120	0.880	0.621	71.0
08/28/2017	0.910	0.333	30	1.101	0.842	114.3
08/29/2017	0.000	0.220	23	0.492	0.308	26.2
08/30/2017	0.890	0.542	43	1.114	0.900	101.6
08/31/2017	0.000	0.865	80	0.937	0.954	107.1
<b>TOTAL</b>	20.826	21.628	2,272	28.547	22.405	2,592
<b>AVERAGE</b>	0.672	0.698	73	0.921	0.723	84

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite 1 & 2

Report Date: 09/21/2017

WW170801-005

Composite 24h 08/01/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	SM 5210 B	8/2/2017	10:40	8/26/2017	9:25	15	mg/L	2.00	mg/L
CBOD5	SM 5210 B	8/2/2017	10:45	8/7/2017	6:45	3	mg/L	2.00	mg/L

Data Qualifiers:

CBOD20	The 20-day reading was made on the 24th day following the initial reading. The 20-day reading should have been made on 8/22/2017 but was not made until 8/26/2017.
CBOD5	Laboratory Fortified Blank (LFB) recovery is 121%. Acceptance limits are 85 to 115%.

WW170802-004

Composite 24h 08/02/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/3/2017	7:52	8/3/2017	9:55	4	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW170803-005

Composite 24h 08/03/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	SM 2540 D	8/4/2017	9:20	8/26/2017	9:25	10	mg/L	2.00	mg/L

Data Qualifiers:

CBOD20	The 20-day reading was made on the 22nd day following the initial reading. The 20-day reading should have been made on 8/24/2017 but was not made until 8/26/2017.
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WW170809-005

Composite 24h 08/09/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	8/10/2017	10:20	8/15/2017	8:35	2	mg/L	2.00	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW170810-004

Composite 24h 08/10/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/11/2017	7:34	8/11/2017	9:41	2	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 85 to 115%.
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WW170817-004

Composite 24h 08/17/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	8/18/2017	10:00	8/23/2017	8:15	4	mg/L	2.00	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of blanks was 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 121%. Acceptance limits are 85 to 115%.
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WW170818-004

Composite 24h 08/18/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	8/19/2017	10:00	8/24/2017	6:25	8	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.21 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW170819-004

Composite 24h 08/19/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	8/20/2017	8:50	8/25/2017	8:05	7	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW170827-004

Composite 24h 08/27/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	8/28/2017	8:30	8/28/2017	10:35	2	mg/L	2.5	mg/L

Data Qualifiers:

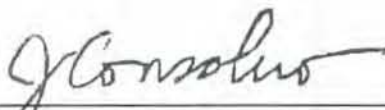
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 52.5%. Acceptance limits are 85 to 115%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo

Title: Laboratory Manager

Date: 9/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE WET Testing Composite

Report Date: 09/21/2017

WW170807-025

Composite 24h 08/07/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	8/8/2017	17:35	8/10/2017	23:05	<15 <sup>E</sup>	µg/L	15	µg/L
N-Nitrosodimethylamine <sup>B,D</sup>	EPA 625	8/8/2017	17:35	8/10/2017	23:05	<5.0 <sup>E</sup>	µg/L	5.0	µg/L

Data Qualifiers:

Hexachlorocyclopentadiene	The Relative Percent Difference (RPD) between the sample and sample duplicate is 38%. The maximum acceptable RPD is 30%. The measured results were 20 and 14 µg/L. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the initial trial. Similar results were obtained in both trials.
N-Nitrosodimethylamine	The recovery of the the LCS is 52%, which is outside the acceptance limits of 54-120%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The result is reported from the initial trial. Similar results were obtained in both trials.

WW170809-031

Composite 24h 08/09/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4,4'-DDD <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
4,4'-DDE <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Aldrin <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
alpha-BHC <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Benzidine <sup>B,D</sup>	EPA 625	8/10/2017	17:00	8/16/2017	3:42	<61 <sup>E</sup>	µg/L	61	µg/L
beta-BHC <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
CBOD5	Sm 5210 B	8/9/2017	13:35	8/14/2017	10:55	<2.00	mg/L	2.00	mg/L
Chlordane <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	<0.40 <sup>E</sup>	µg/L	0.40	µg/L
delta-BHC <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Dieldrin <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	0.02 <sup>E</sup>	µg/L	0.016	µg/L
Endosulfan I <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	0.02 <sup>E</sup>	µg/L	0.0081	µg/L

Endosulfan II <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endosulfan sulfate <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endrin <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	<0.016 <sup>E</sup>	µg/L	0.016	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	<0.081 <sup>E</sup>	µg/L	0.081	µg/L
gamma-BHC <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	0.03 <sup>E</sup>	µg/L	0.0081	µg/L
Heptachlor <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	0.05 <sup>E</sup>	µg/L	0.0081	µg/L
Heptachlor epoxide <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	<0.0081 <sup>E</sup>	µg/L	0.0081	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	8/10/2017	17:00	8/16/2017	3:42	<15 <sup>E</sup>	µg/L	15	µg/L
Toxaphene <sup>B,D</sup>	EPA 608	8/11/2017	17:15	8/18/2017	23:18	<0.81 <sup>E</sup>	µg/L	0.81	µg/L

Data Qualifiers:

4,4'-DDD	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
4,4'-DDE	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
4,4'-DDT	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
Aldrin	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
alpha-BHC	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
Benzidine	The recovery of the the LCSD is 25%, which is outside the acceptance limits of 31-120%. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.
beta-BHC	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
CBOD5	Laboratory Fortified Matrix is 235.5mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
Chlordane	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
delta-BHC	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
Dieldrin	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
Endosulfan I	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
Endosulfan II	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.

Endosulfan sulfate	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
Endrin	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
Endrin aldehyde	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
gamma-BHC	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
Heptachlor	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
Heptachlor epoxide	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.
Hexachlorocyclopentadiene	The Relative Percent Difference (RPD) between the sample and sample duplicate is 41%. The maximum acceptable RPD is 30%. The measured results were 19 and 12 ug/L. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in
Toxaphene	The recovery of the surrogates: Tetrachloro-m-xylene-D1 is 131% in the sample, which is outside the acceptance limits of 29-129%.

WW170811-024

Composite 24h 08/11/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,2,4-Trichlorobenzene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
1,2-Diphenylhydrazine <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
2,4,6-Trichlorophenol <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
2,4-Dichlorophenol <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
2,4-Dimethylphenol <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
2,4-Dinitrophenol <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<40 <sup>E</sup>	µg/L	40	µg/L
2,4-Dinitrotoluene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
2,6-Dinitrotoluene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
2-Chloronaphthalene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
2-Chlorophenol <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
2-Nitrophenol <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
3,3'-Dichlorobenzidine <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
4,6-Dinitro-o-cresol <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<15 <sup>E</sup>	µg/L	15	µg/L
4-Bromophenyl phenyl ether <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
4-Chlorophenyl phenyl ether <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L



4-Nitrophenol <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<15 <sup>E</sup>	µg/L	15	µg/L
Acenaphthene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Acenaphthylene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Anthracene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Benzidine <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<60 <sup>E</sup>	µg/L	60	µg/L
Benzo(a)anthracene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Benzo(a)pyrene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Benzo(b)fluoranthene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Benzo(ghi)perylene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Benzo(k)fluoranthene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
bis(2-Chloroethoxy)methane <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
bis(2-Chloroethyl) ether <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
bis(2-Chloroisopropyl) ether <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
bis(2-Ethylhexyl) phthalate <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Butyl benzyl phthalate <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
CBOD5	SM 5210 B	8/11/2017	12:50	8/16/2017	8:50	<2.00	mg/L	2	mg/L
Chrysene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Di-n-butyl phthalate <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Di-n-octyl phthalate <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Dibenzo(a,h)anthracene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Diethyl phthalate <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Dimethyl phthalate <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Fluoranthene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Fluorene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Hexachlorobenzene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Hexachlorobutadiene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<15 <sup>E</sup>	µg/L	15	µg/L
Hexachloroethane <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Indeno(1,2,3-cd)pyrene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Isophorone <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
N-Nitrosodi-n-propylamine <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L

N-Nitrosodimethylamine <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
N-Nitrosodiphenylamine <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Naphthalene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Nitrobenzene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
p-Chloro-m-cresol <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Pentachlorophenol <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<15 <sup>E</sup>	µg/L	15	µg/L
Phenanthrene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Phenol <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
Pyrene <sup>B,D</sup>	EPA 625	8/15/2017	8:00	8/16/2017	5:07	<5.0 <sup>E</sup>	µg/L	5.0	µg/L

Data Qualifiers:

1,2,4-Trichlorobenzene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
1,2-Diphenylhydrazine	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
2,4,6-Trichlorophenol	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
2,4-Dichlorophenol	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
2,4-Dimethylphenol	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
2,4-Dinitrophenol	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
2,4-Dinitrotoluene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
2,6-Dinitrotoluene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
2-Chloronaphthalene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
2-Chlorophenol	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
2-Nitrophenol	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
3,3'-Dichlorobenzidine	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
4,6-Dinitro-o-cresol	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.

4-Bromophenyl phenyl ether	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
4-Chlorophenyl phenyl ether	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
4-Nitrophenol	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Acenaphthene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Acenaphthylene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Anthracene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Benzidine	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Benzo(a)anthracene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Benzo(a)pyrene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Benzo(b)fluoranthene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Benzo(ghi)perylene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Benzo(k)fluoranthene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
bis(2-Chloroethoxy)methane	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
bis(2-Chloroethyl) ether	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
bis(2-Chloroisopropyl) ether	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
bis(2-Ethylhexyl) phthalate	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Butyl benzyl phthalate	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
CBOD5	LFB recovery is 153.00 mg/L. Acceptance limits are 167.5 to 228.5mg/L.
Chrysene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Di-n-butyl phthalate	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.

Di-n-octyl phthalate	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Dibenzo(a,h)anthracene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Diethyl phthalate	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Dimethyl phthalate	The Relative Percent Difference (RPD) between the sample and sample duplicate is 34%. The maximum acceptable RPD is 30%. The measured results were 41 and 57 ug/L. The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Fluoranthene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Fluorene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Hexachlorobenzene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Hexachlorobutadiene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Hexachlorocyclopentadiene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Hexachloroethane	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Indeno(1,2,3-cd)pyrene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Isophorone	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
N-Nitrosodi-n-propylamine	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
N-Nitrosodimethylamine	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
N-Nitrosodiphenylamine	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Naphthalene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Nitrobenzene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
p-Chloro-m-cresol	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Pentachlorophenol	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Phenanthrene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.

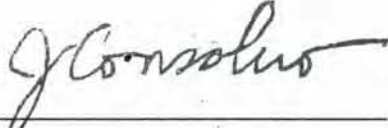
Phenol	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.
Pyrene	The recovery of one of the method blank surrogates, 2,4,6-Tribromophenol, is 56% which is outside the acceptance limits of 60-116%. Since the recovery is >10%, the data is reported.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 9/21/2017



Debra A. McCarty, Water Commissioner

October 27, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for September 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 09/01/2017-09/30/2017

**Report Due Date:** 10/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 72414

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for September 2017

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - SEPTEMBER 2017 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)	
			EFF (mg/L)	SS% REM	SS%** REM	LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM		CBOD5** %REM
F	09/01/2017	130	233	4	98	4,341		132	2	98	2,171	
S	09/02/2017	202	224	7	97	11,803		117	6	95	10,117	
Su	09/03/2017	137	182	2	99	2,283		99 <	2	98	2,283	
M	09/04/2017	140	182	3	98	3,492		129	2	98	2,328	13
T	09/05/2017	159	264	2	99	2,648		172	3	98	3,972	
W	09/06/2017	227	186	4	98	7,584		108	5	95	9,480	14
Th	09/07/2017	131	132	3	98	3,289		104 <	7	93	7,673	
F	09/08/2017	123	180	3	98	3,084		137	6	96	6,168	
S	09/09/2017	123	77	3	96	3,065		144	3	98	3,065	
Su	09/10/2017	124	119	3	97	3,097		121	3	98	3,097	
M	09/11/2017	127	203	3	99	3,177		151	3	98	3,177	11
T	09/12/2017	125	189	2	99	2,081		140	6	96	6,243	
W	09/13/2017	135	331	4	99	4,489		213	4	98	4,489	11
Th	09/14/2017	133	200	3	99	3,323		145	5	97	5,538	
F	09/15/2017	126	228	3	99	3,164		139	2	99	2,109	
S	09/16/2017	127	231	3	99	3,173		123	7	94	7,403	
Su	09/17/2017	122	198	3	98	3,050		151	5	97	5,084	
M	09/18/2017	119	231	4	98	3,962		154	3	98	2,971	14
T	09/19/2017	121	231	4	98	4,035		155	4	97	4,035	
W	09/20/2017	129	217	4	98	4,306		153	4	97	4,306	12
Th	09/21/2017	129	227	4	98	4,313		151	3	98	3,235	
F	09/22/2017	122	230	4	98	4,084		155	4	97	4,084	
S	09/23/2017	118	214	4	98	3,934		161	3	98	2,950	
Su	09/24/2017	119	224	4	98	3,956		139	5	96	4,946	
M	09/25/2017	109	218	3	99	2,730		141	2	99	1,820	11
T	09/26/2017	103	255	3	99	2,569		153	3	98	2,569	
W	09/27/2017	118	236	4	98	3,925		174	3	98	2,944	10
Th	09/28/2017	124	258	5	98	5,150		173	2	99	2,060	
F	09/29/2017	125	194	4	98	4,178		176	2	99	2,089	
S	09/30/2017	123	226	3	99	3,070		164	3	98	3,070	

TOTAL AVERAGE	3,948 132	6,320 211	4	98	3,912	4,374 146	4	97	4,183	12
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Wk1	149	172	3	98	3,635	128	4	97	4,996
Wk2	128	214	3	99	3,215	147	4	97	4,580
Wk3	123	221	4	98	3,955	154	4	98	3,809
Wk4	117	230	4	98	3,654	160	3	98	2,785

MAX	227
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CBOD 20 LBS--	14,035
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NPDES/D LIMITS	MO	<30	>85	<52,540	<25	>86	<36,430
	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.



**PERMIT**  
**NEWPCP - SEPTEMBER 2017**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
F 09/01/2017	130	6.8	6.8	5.2	0.21	2,420		
S 09/02/2017	202	6.8	6.8	5.9	0.19	1,300		
Su 09/03/2017	137	6.6	6.6	6.0	0.11	> 2,420		
M 09/04/2017	140	6.8	6.8	6.1	0.22	373		
T 09/05/2017	159	6.9	6.9	5.9	0.22	34		
W 09/06/2017	227	6.7	6.7	5.0	0.39	12		
Th 09/07/2017	131	6.6	6.6	6.5	0.20	7		
F 09/08/2017	123	6.7	6.7	6.4	0.27	2		
S 09/09/2017	123	6.8	6.8	6.2	0.43	2		
Su 09/10/2017	124	6.9	6.9	6.0	0.40	2		
M 09/11/2017	127	6.9	6.9	5.7	0.44	9		
T 09/12/2017	125	7.0	6.9	5.6	0.47	11		
W 09/13/2017	135	6.9	6.8	5.6	0.41	4		
Th 09/14/2017	133	6.8	6.8	4.6	0.28	6		
F 09/15/2017	126	6.7	6.7	4.9	0.44	1		
S 09/16/2017	127	6.9	6.9	5.1	0.40	2		
Su 09/17/2017	122	6.8	6.7	5.6	0.34	2		
M 09/18/2017	119	6.9	6.9	5.5	0.46	2		
T 09/19/2017	121	6.9	6.8	5.9	0.49	1		
W 09/20/2017	129	6.9	6.9	5.8	0.45	6		
Th 09/21/2017	129	6.9	6.9	5.9	0.52	11		
F 09/22/2017	122	7.0	6.9	5.9	0.44	3		
S 09/23/2017	118	7.0	6.9	5.7	0.46	1		
Su 09/24/2017	119	7.0	7.0	6.1	0.30	3		
M 09/25/2017	109	6.8	6.8	5.6	0.44	2		
T 09/26/2017	103	6.9	6.9	5.6	0.47	1		
W 09/27/2017	118	7.0	6.9	5.8	0.45	3		
Th 09/28/2017	124	7.0	6.9	4.8	0.51	7		
F 09/29/2017	125	7.0	6.9	4.9	0.48	11		
S 09/30/2017	123	7.0	7.0	5.2	0.42	11		
TOTAL	3,948	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC MEAN 9
AVERAGE	132	6.6	7.0	4.6	5.6	0.37	0.52	

Wk1 149  
Wk2 128  
Wk3 123  
Wk4 117

**MAX** 227

EFFLUENT  
NPDES/D MIN MAX GEO  
LIMITS 6.0 9.0 MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - SEPTEMBER 2017  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
09/01/2017	0.17	0.24	0.21	5.0	5.4	5.2	> 2,420	2,420	2,420
09/02/2017	0.20	0.17	0.19	5.8	5.9	5.9	1,300	1,300	1,300
09/03/2017	0.15	0.07	0.11	5.8	6.1	6.0	> 2,420	> 2,420	> 2,420
09/04/2017	0.23	0.21	0.22	6.0	6.2	6.1	488	285	373
09/05/2017	0.24	0.19	0.22	5.9	5.8	5.9	119	10	34
09/06/2017	0.42	0.36	0.39	4.9	5.0	5.0	16	10	12
09/07/2017	0.21	0.18	0.20	6.4	6.5	6.5	5	11	7
09/08/2017	0.27	0.26	0.27	6.3	6.4	6.4	2	2	2
09/09/2017	0.49	0.37	0.43	6.2	6.1	6.2	1	3	2
09/10/2017	0.44	0.35	0.40	5.9	6.0	6.0	1	5	2
09/11/2017	0.44	0.43	0.44	5.7	5.7	5.7	5	17	9
09/12/2017	0.50	0.43	0.47	5.6	5.6	5.6	15	8	11
09/13/2017	0.48	0.34	0.41	5.4	5.7	5.6	4	4	4
09/14/2017	0.41	0.15	0.28	4.7	4.5	4.6	6	5	6
09/15/2017	0.49	0.39	0.44	4.6	5.1	4.9	2	1	1
09/16/2017	0.40	0.39	0.40	5.0	5.2	5.1	1	4	2
09/17/2017	0.40	0.28	0.34	5.5	5.7	5.6	2	3	2
09/18/2017	0.51	0.40	0.46	5.5	5.5	5.5	1	4	2
09/19/2017	0.51	0.46	0.49	5.8	6.0	5.9	2	1	1
09/20/2017	0.47	0.42	0.45	5.8	5.8	5.8	6	5	6
09/21/2017	0.54	0.50	0.52	5.9	5.8	5.9	11	11	11
09/22/2017	0.46	0.42	0.44	5.8	5.9	5.9	5	2	3
09/23/2017	0.56	0.36	0.46	5.7	5.7	5.7	1	2	1
09/24/2017	0.33	0.27	0.30	6.0	6.1	6.1	2	4	3
09/25/2017	0.47	0.40	0.44	5.6	5.5	5.6	2	3	2
09/26/2017	0.52	0.41	0.47	5.6	5.5	5.6	< 1	2	1
09/27/2017	0.46	0.44	0.45	5.7	5.8	5.8	1	7	3
09/28/2017	0.53	0.48	0.51	4.6	4.9	4.8	6	8	7
09/29/2017	0.50	0.46	0.48	4.8	4.9	4.9	6	18	11
09/30/2017	0.49	0.35	0.42	5.0	5.3	5.2	9	15	11
Avg	0.41	0.34	0.37	5.6	5.7	5.6	8	10	9

# PERMIT 2017

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
09/01/2017			
09/02/2017			
09/03/2017			
09/04/2017	126	5	96%
09/05/2017			
09/06/2017	131	7	95%
09/07/2017			
09/08/2017			
09/09/2017			
09/10/2017			
09/11/2017	141	4	97%
09/12/2017			
09/13/2017	158	7	96%
09/14/2017			
09/15/2017			
09/16/2017			
09/17/2017			
09/18/2017	149	6	96%
09/19/2017			
09/20/2017	156	5	97%
09/21/2017			
09/22/2017			
09/23/2017			
09/24/2017			
09/25/2017	134	5	96%
09/26/2017			
09/27/2017	170	5	97%
09/28/2017			
09/29/2017			
09/30/2017			
AVG	146	6	96%

DESIGN - 210 MGD

NEWPCP - SEPTEMBER 2017						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
09/01/2017	38	66	27	130	202	
09/02/2017	66	94	42	202	363	0.48
09/03/2017	39	69	29	137	174	0.01
09/04/2017	39	69	31	140	180	
09/05/2017	52	73	34	159	348	0.11
09/06/2017	76	106	46	227	388	0.54
09/07/2017	40	62	30	131	167	0.03
09/08/2017	39	57	28	123	165	
09/09/2017	39	57	27	123	183	
09/10/2017	39	60	24	124	174	
09/11/2017	39	57	31	127	162	
09/12/2017	39	58	29	125	161	
09/13/2017	44	66	24	135	257	0.04
09/14/2017	39	69	25	133	227	
09/15/2017	37	62	27	126	156	
09/16/2017	42	54	31	127	216	2.58
09/17/2017	39	53	30	122	158	
09/18/2017	37	51	30	119	162	
09/19/2017	38	54	29	121	153	0.07
09/20/2017	37	63	29	129	175	
09/21/2017	37	64	29	129	166	
09/22/2017	37	58	28	122	198	
09/23/2017	37	53	28	118	157	
09/24/2017	38	53	28	119	174	
09/25/2017	37	46	26	109	148	
09/26/2017	37	41	25	103	151	
09/27/2017	36	56	25	118	168	
09/28/2017	36	61	26	124	165	
09/29/2017	36	64	26	125	154	
09/30/2017	36	61	26	123	159	T
TOTAL	1,223	1,856	869	3,948		3.86
AVG	41	62	29	132		
			MIN	103	148	
			MAX	227	388	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

**PA0026689**  
PERMIT NUMBER

**001**  
OUTFALL NUMBER

Reorting Frequency: Monthly  
 DMR Effective From: 09/01/2017  
 DMR Effective To: 09/30/2017  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2017	09	01	FROM	2017	09	30
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	4.6	5.6	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.6	***	7.0	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	3912	3955	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	6.64	6.89	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	1.053	1.180	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	1.900	2.180	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	7.81	8.40	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.292	.373	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0030	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0060	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.2150	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0650	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**



Zinc, Total	Sample Measurement	***	***	***	***	<.0250	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	132	227	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.37	.52	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	9	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4183	4996	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	14035	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										

**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
E-NPDES NE-201709.xls	Daily Effluent Monitoring Form	2017-10-26T11:16:04-04:00	
NE Fecal Coliform Daily (10-25-2017).pdf	Laboratory Accreditation Form	2017-10-27T09:33:13-04:00	
NE WW NPDES Weekly (10-25-2017).pdf	Laboratory Accreditation Form	2017-10-27T09:34:30-04:00	
NE Daily Composite 1 & 2 (10-25-2017).pdf	Laboratory Accreditation Form	2017-10-27T09:32:44-04:00	
NE Outfall Monthly Composite (10-25-2017).pdf	Laboratory Accreditation Form	2017-10-27T09:34:02-04:00	
BLSNE201709.xls	Nutrient Monitoring Form	2017-10-26T11:18:34-04:00	
201709SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-10-26T11:20:35-04:00	
NECSO 201709.xls	CSO Detailed Outfall Report Form	2017-10-26T11:19:39-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
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**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2017	10	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
 Northeast Water Pollution Control Plant  
**NPDES SUMMARY FOR THE MONTH OF SEPTEMBER 2017**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
09/06/2017	1.030	2.180	6.89	7.34	0.213
09/13/2017	0.921	1.720	6.21	7.70	0.315
09/20/2017	1.080	1.940	6.81	8.40	0.373
09/27/2017	1.180	1.760			0.268
<b>AVG</b>	1.053	1.900	6.64	7.81	0.292
<b>MAX</b>	1.180	2.180	6.89	8.40	0.373

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
07/13/2017	< 0.030

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	
09/06/2017	
Copper	0.0060
Iron	0.2150
Iron Dissolved	0.0650
Lead	< 0.0030
Zinc	< 0.0250

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	
09/04/2017	
1,2-Dichloroethane	< 0.0025
Chloroform	0.0030
Chlorodibromomethane	< 0.0025
Tetrachloroethylene	< 0.0025
Trichloroethylene	< 0.0025



**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
SEPT 2017	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
09/01/2017	0.903	0.931	83	1.480	1.422	143.9
09/02/2017	0.909	0.456	42	1.272	0.998	98.7
09/03/2017	2.115	2.166	280	0.341	0.184	20.4
09/04/2017	0.000	0.406	37	2.097	1.750	141.5
09/05/2017	0.907	0.477	43	0.000	0.000	0.0
09/06/2017	0.928	0.606	76	1.925	1.710	157.3
09/07/2017	0.895	1.138	109	1.208	0.918	95.6
09/08/2017	0.000	0.585	56	1.633	1.394	136.3
09/09/2017	0.923	0.855	86	1.396	1.079	137.8
09/10/2017	0.908	0.825	90	1.107	0.806	80.4
09/11/2017	0.902	0.888	94	1.225	0.927	124.0
09/12/2017	0.906	0.403	39	0.719	0.498	59.1
09/13/2017	0.901	1.380	133	0.000	0.000	0.0
09/14/2017	0.892	1.071	126	1.121	1.054	108.9
09/15/2017	0.000	0.000	0	1.448	1.191	129.9
09/16/2017	0.922	0.916	80	1.711	1.395	142.7
09/17/2017	0.876	0.871	74	1.799	1.654	172.6
09/18/2017	0.000	0.000	0	1.077	1.145	131.3
09/19/2017	0.901	0.297	29	1.086	1.207	116.3
09/20/2017	0.917	0.601	64	1.055	1.268	121.7
09/21/2017	0.891	1.426	148	0.966	0.550	51.2
09/22/2017	0.928	0.736	78	0.985	1.046	110.2
09/23/2017	0.908	0.985	98	1.057	1.193	121.1
09/24/2017	0.911	1.067	106	0.970	0.975	96.7
09/25/2017	0.814	0.736	75	1.108	1.099	108.2
09/26/2017	0.000	0.367	34	1.169	1.151	119.4
09/27/2017	0.907	0.448	42	0.972	0.857	86.7
09/28/2017	0.899	0.895	90	1.010	0.983	88.3
09/29/2017	0.902	0.531	50	1.040	0.868	71.9
09/30/2017	0.000	0.284	27	1.038	1.208	114.6
<b>TOTAL</b>	22.865	22.347	2,294	34.016	30.530	3,087
<b>AVERAGE</b>	0.762	0.745	76	1.134	1.018	103



Debra A. McCarty, Water Commissioner

October 27, 2017

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for September 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Quarterly

**Report Type:** DMR

**Reporting Period:** 07/01/2017-09/30/2017

**Report Due Date:** 10/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 72415

**Submission Status:** Received

**Submission Type:** Original



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

**PA0026689**  
PERMIT NUMBER

**001**  
OUTFALL NUMBER

Reorting Frequency: Quarterly  
 DMR Effective From: 07/01/2017  
 DMR Effective To: 09/30/2017  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2017	07	01	FROM	2017	09	30
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival	Sample Measurement	***	***	***	***	***	<1	TUa	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Toxicity, Chronic - Ceriodaphnia Survival	Sample Measurement	***	***	***	***	***	1	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Toxicity, Acute - Pimephales Survival	Sample Measurement	***	***	***	***	***	<1	TUa	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Chlordane	Sample Measurement	***	***	***	***	<.0004000	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
3,3-Dichlorobenzidine	Sample Measurement	***	***	***	***	<.0050	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Benzidine	Sample Measurement	***	***	***	***	<.0603	***	mg/L	Grab	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/quarter
4,4-DDT	Sample Measurement	***	***	***	***	<.0000160	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDD	Sample Measurement	***	***	***	***	<.0000160	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDE	Sample Measurement	***	***	***	***	<.0000160	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
alpha-BHC	Sample Measurement	***	***	***	***	<.0000081	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
beta-BHC	Sample Measurement	***	***	***	***	<.0000081	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
gamma-BHC (Lindane)	Sample Measurement	***	***	***	***	<.0000267	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Dieldrin	Sample Measurement	***	***	***	***	<.0000173	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Endrin	Sample Measurement	***	***	***	***	<.0000160	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Heptachlor	Sample Measurement	***	***	***	***	.0000300	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Toxicity, Chronic - Pimephales Survival	Sample Measurement	***	***	***	***	***	1	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
<b>Facility Comments</b>										

**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
NE WET Testing Composite (09-22-2017).pdf	Laboratory Accreditation Form	2017-10-27T09:37:50-04:00	
BLSNE201708.xls	WET Test Summary Report	2017-10-26T10:59:34-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
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**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6268

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2017	10	27
			AREA CODE	NUMBER	YEAR	MO	DAY



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF AUGUST 2017**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**08/11/2017**

<b>Toxicity, Ceriodaphnia acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Ceriodaphnia chronic</b>		<b>1</b>
<b>Toxicity, Pimphales acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Pimphales chronic</b>		<b>1</b>

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite 1 & 2

Report Date: 10/25/2017

WW170902-004

Composite 24h 09/02/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/3/2017	7:30	9/3/2017	9:31	7	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW170906-005

Composite 24h 09/06/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	9/7/2017	11:00	9/12/2017	7:30	7	mg/L	2	mg/L
CBOD20	SM 5210 B	9/7/2017	11:00	9/27/2017	9:00	14	mg/L	2	mg/L
CBOD5	SM 5210 B	9/7/2017	11:00	9/12/2017	7:30	5	mg/L	2	mg/L

Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 81%. Acceptance limits are 85 to 115%.

WW170907-004

Composite 24h 09/07/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/8/2017	13:12	9/13/2017	9:00	<2	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.32, 0.31, 0.36, and 0.34 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW170908-004

Composite 24h 09/08/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/8/2017	11:05	9/14/2017	6:45	6	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 84%. Acceptance limits are 85 to 115%.
-------	---

WW170912-004

Composite 24h 09/12/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/13/2017	11:40	9/18/2017	7:40	6	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 84%. Acceptance limits are 85 to 115%.
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WW170917-004

Composite 24h 09/17/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/18/2017	8:10	9/18/2017	10:16	3	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW170922-004

Composite 24h 09/22/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/23/2017	8:30	9/23/2017	10:35	4	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW170924-004

Composite 24h 09/24/2017 06:00



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/25/2017	11:25	9/30/2017	8:45	5	mg/L		mg/L

Data Qualifiers:


CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.33 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
-------	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 10/25/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Fecal Coliform Daily

Report Date: 10/25/2017

WW170911-020

Grab 09/11/2017 09:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			9/12/2017	7:59	5.2	MPN/100	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.971. The maximum acceptable PCV is 0.556. The measured results were 2.0 MPN/100mL and 18.7 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
---	--

WW170911-021

Grab 09/11/2017 09:05

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			9/12/2017	7:59	16.9	MPN/100	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.971. The maximum acceptable PCV is 0.556. The measured results were 2.0 MPN/100mL and 18.7 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
---	--

WW170920-020

Grab 09/20/2017 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			9/21/2017	8:15	6.3	MPN/100	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.716. The maximum acceptable PCV is 0.556. The measured results were 5.2 MPN/100mL and 1.0 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW170920-021

Grab 09/20/2017 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			9/21/2017	8:15	5.2	MPN/100	<1	MPN/100 mL

Data Qualifiers:

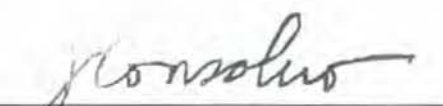
Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.716. The maximum acceptable PCV is 0.556. The measured results were 5.2 MPN/100mL and 1.0 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
---	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 10/25/2017

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

NE Outfall Monthly Composite 2

Report Date: 10/25/2017

WW170907-024

Composite 24h 09/07/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Phenols <sup>B,D</sup>	EPA 420.4			9/19/2017	5:35	<0.020 <sup>E</sup>	µg/L	0.020	µg/L

Data Qualifiers:

Phenols	Laboratory Fortified Matrix (LFM) recovery is 115%. Acceptance limits are 90 to 110%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 10/25/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE WW NPDES Weekly

Report Date: 10/25/2017

WW170913-025

Composite 24h 09/13/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN <sup>B,D</sup>	EPA 351.2	10/9/2017	9:00	10/9/2017	21:47	7.70 <sup>E</sup>	mg/L as N	1.00	mg/L as N

Data Qualifiers:

TKN	The Relative Percent Difference (RPD) between the sample and sample duplicate is 21%. The maximum acceptable RPD is 20%. The measured results were 25.3 and 31.2 mg/L.
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WW170920-025

Composite 24h 09/20/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN <sup>B,D</sup>	EPA 351.2	10/9/2017	9:00	10/9/2017	23:18	8.40 <sup>E</sup>	mg/L as N	1.00	mg/L as N

Data Qualifiers:

TKN	The Relative Percent Difference (RPD) between the sample and sample duplicate is 21%. The maximum acceptable RPD is 20%. The measured results were 25.3 and 31.2 mg/L.
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WW170927-025

Composite 24h 09/27/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN <sup>B,D</sup>	EPA 351.2	10/5/2017	17:30	10/14/2017	13:10	7.90 <sup>E</sup>	mg/L as N	1.00	mg/L as N

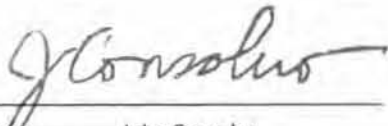
Data Qualifiers:

TKN	The Relative Percent Difference (RPD) between the sample and sample duplicate is 21%. The maximum acceptable RPD is 20%. The measured results were <1.1 and 1.1 mg/L.
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Legend

A - Results reported on a basis other than as received, e.g. dry weight.

- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
Signature: \_\_\_\_\_  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 10/25/2017



Debra A. McCarty, Water Commissioner

November 28, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for October 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 10/01/2017-10/31/2017

**Report Due Date:** 11/28/2017

**Submitted By:** Mary Ellen Senss

**Submission Id:** 76038

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for October 2017

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..



# PERMIT NEWPCP - OCTOBER 2017 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	
Su 10/01/2017	122	251	4	98		4,081	148	2	99	2,040	
M 10/02/2017	116	229	3	99		2,914	148	3	98	2,914	10
T 10/03/2017	118	255	2	99		1,961	190	5	97	4,902	
W 10/04/2017	126	231	4	98		4,206	139	2	99	2,103	9
Th 10/05/2017	146	251	4	98		4,858	163	2	99	2,429	
F 10/06/2017	123	209	4	98		4,105	136	3	98	3,078	
S 10/07/2017	128	231	4	98		4,262	157	3	98	3,197	
Su 10/08/2017	145	245	4	98		4,835	185	3	98	3,626	
M 10/09/2017	196	222	11	95		18,015	132	6	95	9,826	17
T 10/10/2017	147	202	3	99		3,682	127	2	98	2,454	
W 10/11/2017	148	255	4	98		4,922	161	2	99	2,461	11
Th 10/12/2017	168	229	5	98		7,008	266	3	99	4,205	
F 10/13/2017	194	216	2	99		3,231	135	2	99	3,231	
S 10/14/2017	128	216	3	99		3,203	154	6	96	6,406	
Su 10/15/2017	147	240	3	99		3,676	150	2	99	2,451	
M 10/16/2017	156	208	2	99		2,600	143	2	99	2,600	
T 10/17/2017	132	304	2	99		2,199	193	2	99	2,199	
W 10/18/2017	124	217	2	99		2,065	154	2	99	2,065	7
Th 10/19/2017	126	226	1	100		1,052	151	2	99	2,104	
F 10/20/2017	133	227	3	99		3,325	173	4	98	4,434	7
S 10/21/2017	131	233	2	99		2,192	184	2	99	2,192	
Su 10/22/2017	139	209	2	99		2,318	154	2	99	2,318	
M 10/23/2017	170	245	2	99		2,830	182	2	99	2,830	7
T 10/24/2017	182	289	5	98		7,586	166	4	98	6,069	
W 10/25/2017	132	201	2	99		2,197	160	5	97	5,494	8
Th 10/26/2017	126	191	3	98		3,158	229	4	98	4,210	
F 10/27/2017	120	227	4	98		4,017	175	2	99	2,009	
S 10/28/2017	123	211	2	99		2,048	171	6	96	6,145	
Su 10/29/2017	346	146	17	88		49,035	103	9	91	25,960	
M 10/30/2017	203	162	5	97		8,484	109	4	96	6,787	
T 10/31/2017	136	215	1	100		1,133	136	2	99	2,266	

TOTAL AVERAGE	4,630	6,993	4	98		5,523	4,975	3	98	4,355	9
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Wk1	126	237	4	98		3,769	154	3	98	2,952
Wk2	161	226	5	98		6,414	166	3	98	4,601
Wk3	136	236	2	99		2,444	164	2	99	2,578
Wk4	142	225	3	99		3,451	177	4	98	4,153

MAX 346

CBOD 20 LBS-- 11,768

NPDES/D LIMITS	MO	<30	>85	<52,540	<25	>86	<36,430
	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - OCTOBER 2017**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
Su 10/01/2017	122	7.0	7.0	5.6	0.44	1		
M 10/02/2017	116	7.0	7.0	5.7	0.46	1		
T 10/03/2017	118	6.9	6.8	6.2	0.35	1		
W 10/04/2017	126	6.8	6.8	6.5	0.35	2		
Th 10/05/2017	146	6.9	6.8	6.1	0.25	3		
F 10/06/2017	123	7.0	7.0	6.1	0.30	7		
S 10/07/2017	128	6.9	6.9	6.0	0.32	4		
Su 10/08/2017	145	6.9	6.8	5.4	0.31	34		
M 10/09/2017	196	6.9	6.9	5.9	0.28	2		
T 10/10/2017	147	6.8	6.7	6.1	0.23	5		
W 10/11/2017	148	6.7	6.7	6.3	0.27	2		
Th 10/12/2017	168	6.8	6.8	4.3	0.37	22		
F 10/13/2017	194	6.8	6.8	4.7	0.22	4		
S 10/14/2017	128	6.9	6.9	5.0	0.25	5		
Su 10/15/2017	147	6.9	6.9	5.6	0.29	3		
M 10/16/2017	156	6.9	6.8	6.1	0.35	3		
T 10/17/2017	132	6.9	6.8	6.5	0.23	7		
W 10/18/2017	124	6.8	6.8	6.7	0.35	1		
Th 10/19/2017	126	6.7	6.7	6.5	0.18	32		
F 10/20/2017	133	6.7	6.7	6.5	0.17	11		
S 10/21/2017	131	6.9	6.8	6.5	0.19	4		
Su 10/22/2017	139	6.8	6.8	6.6	0.20	7		
M 10/23/2017	170	6.8	6.8	6.3	0.22	10		
T 10/24/2017	182	6.6	6.7	4.8	0.23	64		
W 10/25/2017	132	6.9	6.8	6.2	0.23	8		
Th 10/26/2017	126	6.8	6.8	6.2	0.25	4		
F 10/27/2017	120	7.0	7.0	6.3	0.26	7		
S 10/28/2017	123	7.0	6.9	5.5	0.24	4		
Su 10/29/2017	346	6.9	6.8	5.0	0.27	4		
M 10/30/2017	203	6.4	6.5	5.1	0.27	91		
T 10/31/2017	136	6.8	6.7	6.2	0.25	5		
TOTAL	4,630	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	149	6.4	7.0	4.3	5.9	0.27	0.46	MEAN
								6

Wk1 126  
Wk2 161  
Wk3 136  
Wk4 142

**MAX** 346

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - OCTOBER 2017  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO	
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)	
10/01/2017	0.48	0.40	0.44	5.4	5.8	5.6	<	1	1	1
10/02/2017	0.51	0.41	0.46	5.8	5.6	5.7		1	2	1
10/03/2017	0.37	0.32	0.35	6.2	6.2	6.2	<	1	2	1
10/04/2017	0.37	0.32	0.35	6.4	6.5	6.5		3	2	2
10/05/2017	0.27	0.22	0.25	6.0	6.2	6.1		3	3	3
10/06/2017	0.31	0.28	0.30	6.1	6.1	6.1		6	7	7
10/07/2017	0.28	0.35	0.32	5.9	6.0	6.0		3	4	4
10/08/2017	0.31	0.31	0.31	5.5	5.3	5.4		61	19	34
10/09/2017	0.31	0.25	0.28	5.8	5.9	5.9		2	2	2
10/10/2017	0.25	0.20	0.23	6.1	6.1	6.1		4	6	5
10/11/2017	0.31	0.22	0.27	6.2	6.3	6.3		2	2	2
10/12/2017	0.39	0.34	0.37	4.2	4.3	4.3		20	24	22
10/13/2017	0.20	0.24	0.22	4.6	4.8	4.7		7	2	4
10/14/2017	0.22	0.27	0.25	4.8	5.2	5.0		5	4	5
10/15/2017	0.27	0.30	0.29	5.5	5.6	5.6		5	2	3
10/16/2017	0.38	0.32	0.35	6.2	6.0	6.1		3	3	3
10/17/2017	0.24	0.22	0.23	6.5	6.4	6.5		13	4	7
10/18/2017	0.33	0.37	0.35	6.6	6.7	6.7		1	2	1
10/19/2017	0.18	0.18	0.18	6.5	6.5	6.5		46	22	32
10/20/2017	0.19	0.14	0.17	6.4	6.5	6.5		13	10	11
10/21/2017	0.19	0.19	0.19	6.5	6.5	6.5		4	4	4
10/22/2017	0.20	0.19	0.20	6.5	6.6	6.6		7	6	7
10/23/2017	0.21	0.22	0.22	6.3	6.2	6.3		26	4	10
10/24/2017	0.20	0.26	0.23	4.7	4.8	4.8		130	32	64
10/25/2017	0.28	0.17	0.23	6.3	6.1	6.2		7	10	8
10/26/2017	0.28	0.21	0.25	6.2	6.1	6.2		10	2	4
10/27/2017	0.29	0.23	0.26	6.2	6.4	6.3		6	9	7
10/28/2017	0.28	0.19	0.24	5.3	5.6	5.5		3	5	4
10/29/2017	0.29	0.24	0.27	4.9	5.1	5.0		4	4	4
10/30/2017	0.29	0.24	0.27	5.0	5.2	5.1		106	79	91
10/31/2017	0.25	0.25	0.25	6.1	6.2	6.2		3	9	5
Avg	0.29	0.26	0.27	5.8	5.9	5.9		6	5	6

**PERMIT  
NEWPCP - OCTOBER 2017**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
10/01/2017			
10/02/2017	142	6	96%
10/03/2017			
10/04/2017	139	6	96%
10/05/2017			
10/06/2017			
10/07/2017			
10/08/2017			
10/09/2017	122	15	88%
10/10/2017			
10/11/2017	158	7	96%
10/12/2017			
10/13/2017			
10/14/2017			
10/15/2017			
10/16/2017	147	6	96%
10/17/2017			
10/18/2017	157	7	96%
10/19/2017			
10/20/2017			
10/21/2017			
10/22/2017			
10/23/2017	194	6	97%
10/24/2017			
10/25/2017	190	5	97%
10/26/2017			
10/27/2017			
10/28/2017			
10/29/2017			
10/30/2017			
10/31/2017			
AVG	156	7	95%

DESIGN - 210 MGD

NEWPCP - OCTOBER 2017						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
10/01/2017	37	59	26	122	175	
10/02/2017	36	55	25	116	152	
10/03/2017	36	56	25	118	225	
10/04/2017	36	65	25	126	174	
10/05/2017	35	82	28	146	209	T
10/06/2017	35	63	25	123	150	
10/07/2017	36	65	27	128	165	
10/08/2017	43	73	30	145	262	0.02
10/09/2017	64	94	39	196	385	0.66
10/10/2017	37	84	27	147	197	
10/11/2017	44	71	33	148	433	T
10/12/2017	51	83	34	168	364	0.20
10/13/2017	36	131	27	194	188	0.01
10/14/2017	36	67	25	128	164	T
10/15/2017	38	83	26	147	196	0.01
10/16/2017	36	92	27	156	194	0.06
10/17/2017	36	67	29	132	187	
10/18/2017	36	61	27	124	158	
10/19/2017	36	62	28	126	182	
10/20/2017	35	72	27	133	148	
10/21/2017	35	67	29	131	166	
10/22/2017	36	74	29	139	178	
10/23/2017	36	105	28	170	226	T
10/24/2017	57	90	35	182	374	0.33
10/25/2017	36	68	28	132	195	
10/26/2017	35	65	26	126	169	T
10/27/2017	35	59	26	120	194	
10/28/2017	36	60	27	123	156	
10/29/2017	101	172	72	346	510	1.96
10/30/2017	55	114	34	203	446	0.41
10/31/2017	38	67	31	136	183	
TOTAL	1,279	2,424	927	4,630		3.66
AVG	41	78	30	149		
			MIN	116	148	
			MAX	346	510	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

<b>PA0026689</b>
PERMIT NUMBER

<b>001</b>
OUTFALL NUMBER

Reorting Frequency: Monthly  
 DMR Effective From: 10/01/2017  
 DMR Effective To: 10/31/2017  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2017	10	01	FROM	2017	10	31
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	4.3	5.9	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.4	***	7.0	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5523	6414	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	5.07	6.00	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	1.159	1.350	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	2.981	3.770	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	5.77	8.70	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.162	.209	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0021	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	<.0021	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.022	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0021	***	mg/L	Grab	4/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0050	***	mg/L	24-Hr Composite	4/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.1913	***	mg/L	24-Hr Composite	4/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0693	***	mg/L	24-Hr Composite	4/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	4/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF CLEAN WATER  
 DISCHARGE MONITORING REPORT (DMR)



Zinc, Total	Sample Measurement	***	***	***	***	<.0250	***	mg/L	24-Hr Composite	4/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	149	346	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.27	.46	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0019	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0019	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	6	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4355	4601	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	11768	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
E-NPDES NE-201710.xls	Daily Effluent Monitoring Form	2017-11-27T13:19:34-05:00	
NE Daily Composite 1 & 2 (11-21-2017).pdf	Laboratory Accreditation Form	2017-11-27T13:23:59-05:00	
NE WW NPDES Weekly (11-21-2017).pdf	Laboratory Accreditation Form	2017-11-27T13:27:41-05:00	
NE WET Testing Composite (11-21-2017).pdf	Laboratory Accreditation Form	2017-11-27T13:27:08-05:00	
NE Daily Grab (11-21-2017).pdf	Laboratory Accreditation Form	2017-11-27T13:24:25-05:00	
BLSNE201710.xls	Nutrient Monitoring Form	2017-11-27T13:20:13-05:00	
201710SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-11-27T13:21:28-05:00	
NECSO 201710.xls	CSO Detailed Outfall Report Form	2017-11-27T13:20:57-05:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
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**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. A flow in excess of 315 MGD qualified for permit relief on the 29th of the month but was not used in compliance reporting. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2017	11	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF OCTOBER 2017

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
10/04/2017	1.180	1.850	6.00	8.70	0.209
10/11/2017	1.350	2.690	3.41	4.23	0.127
10/16/2017	1.230	3.390	5.68	6.03	0.149
10/18/2017	1.230	3.500	5.41	5.49	0.127
10/20/2017	1.300	3.770	5.10	5.47	0.130
10/23/2017	1.130	3.540	5.73	5.80	0.191
10/25/2017	0.691	2.130	4.19	4.69	0.202
<b>AVG</b>	1.159	2.981	5.07	5.77	0.162
<b>MAX</b>	1.350	3.770	6.00	8.70	0.209

**Cyanide and Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
10/16/2017	< 0.020
10/18/2017	< 0.020
10/20/2017	0.025
<b>AVG</b>	< 0.022

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	10/16/2017	10/18/2017	10/20/2017	10/23/2017	AVG
Copper	0.0050	0.0050	0.0050	0.0050	0.0050
Iron	0.1930	0.1870	0.1860	0.1990	0.1913
Iron Dissolved	0.0760	0.0640	0.0700	0.0670	0.0693
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	10/15/2017	10/16/2017	10/17/2017	10/18/2017	10/19/2017	10/20/2017	10/22/2017	10/23/2017	AVG
1,2-Dichloroethane	< 0.0010	< 0.0010		< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0021
3,3-Dichlorobenzidine		< 0.0051		< 0.0050		< 0.0050		< 0.0050	< 0.0050
alpha-BHC		< 0.0000094		< 0.0000081		< 0.0000096		< 0.0000082	< 0.0000088
Benzidine		< 0.0610		< 0.0600		< 0.0600		< 0.0600	< 0.0603
Beta-BHC		< 0.0000094		< 0.0000081		< 0.0000096		< 0.0000082	< 0.0000088
Chlordane		< 0.0004700		< 0.0004000		< 0.0004800		< 0.0004100	< 0.0004400
Chloroform	0.0010	0.0010	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0021
Chlorodibromomethane		0.0010	< 0.0025		< 0.0025		< 0.0025		< 0.0021
Dieldrin		< 0.0000190		< 0.0000160		< 0.0000190		< 0.0000160	< 0.0000175
Endrin		< 0.0000190		< 0.0000160		< 0.0000190		< 0.0000160	< 0.0000175
Heptachlor		0.0000300		0.0000100		0.0000100		< 0.0000082	< 0.0000146
p,p'-DDD		< 0.0000190		< 0.0000160		< 0.0000190		< 0.0000160	< 0.0000175
p,p'-DDE		< 0.0000190		< 0.0000160		< 0.0000190		< 0.0000160	< 0.0000175
p,p'-DDT		< 0.0000190		< 0.0000160		< 0.0000190		< 0.0000160	< 0.0000175
Lindane(Gamma-BHC)		0.0000200		0.0000100		< 0.0000096		< 0.0000082	< 0.0000120
Tetrachloroethylene	< 0.0010	< 0.0010	< 0.0025		< 0.0025		< 0.0025		< 0.0019
Trichloroethylene	< 0.0010	< 0.0010	< 0.0025		< 0.0025		< 0.0025		< 0.0019

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF OCTOBER 2017**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**10/23/2017**

<b>Toxicity, Ceriodaphnia acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Ceriodaphnia chronic</b>		<b>1</b>
<b>Toxicity, Pimphales acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Pimphales chronic</b>		<b>1</b>

## BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
OCTOBER 2017	Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP	Sludge Processed by Biosolids Recycle Center / Synagro		Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP	Sludge Processed by Biosolids Recycle Center / Synagro	
	MGD	MGD	DT	MGD	MGD	DT
10/01/2017	0.88	1.28	117.20	1.13	1.00	103.07
10/02/2017	0.91	0.60	56.78	0.34	0.35	33.64
10/03/2017	0.91	0.78	74.49	0.09	0.32	37.08
10/04/2017	0.93	0.65	61.04	1.16	0.79	98.21
10/05/2017	0.90	1.04	102.62	0.85	1.16	135.35
10/06/2017	-	0.79	68.09	2.35	2.28	187.38
10/07/2017	0.91	0.36	33.46	1.27	1.33	138.71
10/08/2017	0.90	0.83	89.53	1.24	1.38	137.23
10/09/2017	0.91	1.31	115.04	1.32	1.05	96.75
10/10/2017	0.91	0.35	29.27	1.28	1.38	130.98
10/11/2017	0.88	0.79	72.12	1.53	1.50	150.09
10/12/2017	0.81	0.84	82.61	0.82	1.01	114.60
10/13/2017	-	0.74	72.04	1.95	1.92	206.74
10/14/2017	0.95	0.48	43.17	1.98	1.91	192.36
10/15/2017	0.90	0.74	67.90	1.32	1.23	145.84
10/16/2017	0.91	1.05	95.44	1.37	1.31	146.31
10/17/2017	-	0.52	49.74	1.43	1.43	177.38
10/18/2017	0.92	0.68	67.02	1.50	1.63	181.53
10/19/2017	0.91	0.90	111.61	1.37	1.52	162.82
10/20/2017	0.91	0.95	90.37	1.30	1.05	113.32
10/21/2017	0.88	0.45	33.89	1.16	1.21	120.93
10/22/2017	0.93	1.18	119.45	0.93	0.73	82.71
10/23/2017	-	0.37	39.48	0.27	0.40	42.31
10/24/2017	0.92	0.75	61.66	0.91	0.72	83.66
10/25/2017	0.91	0.62	56.91	0.77	1.09	119.33
10/26/2017	0.92	0.99	94.54	0.77	0.82	81.84
10/27/2017	0.90	0.53	51.31	0.98	0.84	78.54
10/28/2017	0.93	1.32	143.07	0.81	0.85	88.85
10/29/2017	0.92	0.85	99.42	0.88	0.92	98.61
10/30/2017	0.94	1.43	152.73	1.04	0.94	102.92
10/31/2017	-	-	-	2.07	2.16	254.76
<b>TOTAL</b>	23.610	24.205	2,352	36.166	36.255	3,844
<b>AVERAGE</b>	0.762	0.781	76	1.167	1.170	124

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite 1 & 2

Report Date: 11/21/2017

WW171004-011

Composite 24h 10/04/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/5/2017	8:45	10/5/2017	10:45	188	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
------------------------	--

WW171004-012

Composite 24h 10/04/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/5/2017	8:45	10/5/2017	10:45	248	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW171004-013

Composite 24h 10/04/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/5/2017	8:45	10/5/2017	10:45	288	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW171004-014

Composite 24h 10/04/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/5/2017	8:35	10/5/2017	10:35	4	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW171005-010

Composite 24h 10/05/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/6/2017	11:20	10/11/2017	8:25	155	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171005-011

Composite 24h 10/05/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/6/2017	11:20	10/11/2017	8:25	184	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171005-012

Composite 24h 10/05/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/6/2017	11:20	10/11/2017	8:25	162	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171005-013

Composite 24h 10/05/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/6/2017	11:20	10/11/2017	8:25	2	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171006-015

Composite 24h 10/06/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/7/2017	9:50	10/12/2017	8:43	137	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.21, 0.25, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171006-016

Composite 24h 10/06/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/7/2017	9:50	10/12/2017	8:43	131	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.21, 0.25, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171006-017

Composite 24h 10/06/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/7/2017	9:50	10/12/2017	8:43	136	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.21, 0.25, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171006-018

Composite 24h 10/06/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/7/2017	9:50	10/12/2017	8:43	3	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.21, 0.25, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171010-010

Composite 24h 10/10/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/11/2017	12:25	10/16/2017	8:10	129	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171010-011

Composite 24h 10/10/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/11/2017	12:25	10/16/2017	8:10	138	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171010-012

Composite 24h 10/10/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/11/2017	12:25	10/16/2017	8:10	114	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171010-013

Composite 24h 10/10/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/11/2017	12:25	10/16/2017	8:10	2	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171012-010

Composite 24h 10/12/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/13/2017	11:50	10/18/2017	8:35	120 <sup>E</sup>	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 168%. Acceptance limits are 85 to 115%.
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WW171012-011

Composite 24h 10/12/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/13/2017	11:50	10/18/2017	8:35	172	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 168%. Acceptance limits are 85 to 115%.
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WW171012-012

Composite 24h 10/12/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/13/2017	11:50	10/18/2017	8:35	135	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 168%. Acceptance limits are 85 to 115%.
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WW171012-013

Composite 24h 10/12/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/13/2017	11:50	10/18/2017	8:35	3	mg/L	2.0	mg/L

## Data Qualifiers:



CBOD5	Laboratory Fortified Blank (LFB) recovery is 168%. Acceptance limits are 85 to 115%.
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WW171014-010

Composite 24h 10/14/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/15/2017	8:15	10/20/2017	7:55	144	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171014-011

Composite 24h 10/14/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/15/2017	8:15	10/20/2017	7:55	178	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171014-012

Composite 24h 10/14/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/15/2017	8:15	10/20/2017	7:55	155	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171014-013

Composite 24h 10/14/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/15/2017	8:15	10/20/2017	7:55	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171016-014

Composite 24h 10/16/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/17/2017	10:35	10/22/2017	7:36	134	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22 and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171016-015

Composite 24h 10/16/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/17/2017	10:35	10/22/2017	7:36	155	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22 and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171016-016

Composite 24h 10/16/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/17/2017	10:35	10/22/2017	7:36	152	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22 and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171016-017

Composite 24h 10/16/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	10/17/2017	10:35	10/22/2017	7:36	6	mg/L	2.0	mg/L
CBOD5	SM 5210 B	10/17/2017	10:35	10/22/2017	7:36	2	mg/L	2.0	mg/L

## Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22 and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22 and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW171017-010

Composite 24h 10/17/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/18/2017	10:47	10/23/2017	8:00	154	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.38 and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171017-011

Composite 24h 10/17/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/18/2017	10:47	10/23/2017	8:00	200	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.38 and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171017-012

Composite 24h 10/17/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/18/2017	10:47	10/23/2017	8:00	250	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.38 and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171017-013

Composite 24h 10/17/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/18/2017	10:47	10/23/2017	8:00	2	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.38 and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171018-017

Composite 24h 10/18/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/19/2017	9:40	10/24/2017	7:55	150	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171018-018

Composite 24h 10/18/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/19/2017	9:40	10/24/2017	7:55	152	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171018-019

Composite 24h 10/18/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/19/2017	9:40	10/24/2017	7:55	160	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171018-020

Composite 24h 10/18/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	10/19/2017	9:40	10/24/2017	7:55	7	mg/L	2.0	mg/L
CBOD5	SM 5210 B	10/19/2017	9:40	10/24/2017	7:55	2	mg/L	2.0	mg/L

Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								

WW171019-010

Composite 24h 10/19/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/20/2017	8:35	10/20/2017	10:40	195	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 85 to 115%.								
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WW171019-011

Composite 24h 10/19/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/20/2017	8:35	10/20/2017	10:40	280	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 85 to 115%.								
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WW171019-012

Composite 24h 10/19/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/20/2017	8:35	10/20/2017	10:40	220	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 85 to 115%.								
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WW171019-013

Composite 24h 10/19/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/20/2017	8:07	10/20/2017	10:13	1	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 85 to 115%.
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WW171020-011

Composite 24h 10/20/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/21/2017	9:45	10/26/2017	8:30	142	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW171020-012

Composite 24h 10/20/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/21/2017	9:45	10/26/2017	8:30	215	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW171020-013

Composite 24h 10/20/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/21/2017	9:45	10/26/2017	8:30	181	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW171020-014

Composite 24h 10/20/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/21/2017	9:45	10/26/2017	8:30	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
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WW171021-010

Composite 24h 10/21/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/22/2017	9:35	10/27/2017	8:15	178	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.28,0.24,0.29, and 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171021-011

Composite 24h 10/21/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/22/2017	9:35	10/27/2017	8:15	217	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.28,0.24,0.29, and 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171021-012

Composite 24h 10/21/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/22/2017	9:35	10/27/2017	8:15	164	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.28,0.24,0.29, and 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171021-013

Composite 24h 10/21/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/22/2017	9:35	10/27/2017	8:15	2	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.28,0.24,0.29, and 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171022-010

Composite 24h 10/22/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/23/2017	8:27	10/23/2017	10:35	192	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 65%. Acceptance limits are 85 to 115%.
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WW171022-011

Composite 24h 10/22/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/23/2017	8:27	10/23/2017	10:35	228 <sup>E</sup>	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 65%. Acceptance limits are 85 to 115%.
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WW171022-012

Composite 24h 10/22/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/23/2017	8:27	10/23/2017	10:35	216	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 65%. Acceptance limits are 85 to 115%.
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WW171022-013

Composite 24h 10/22/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/23/2017	7:50	10/23/2017	10:08	2	mg/L	2.5	mg/L



## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 65%. Acceptance limits are 85 to 115%.
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WW171023-012

Composite 24h 10/23/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/24/2017	8:21	10/24/2017	10:27	216	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW171023-013

Composite 24h 10/23/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/24/2017	8:21	10/24/2017	10:27	284	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW171023-014

Composite 24h 10/23/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/24/2017	8:21	10/24/2017	10:27	256	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW171023-015

Composite 24h 10/23/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	10/24/2017	8:02	10/24/2017	10:05	2	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW171025-011

Composite 24h 10/25/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/26/2017	10:05	10/31/2017	7:45	152	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171025-012

Composite 24h 10/25/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/26/2017	10:05	10/31/2017	7:45	182	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171025-013

Composite 24h 10/25/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/26/2017	10:05	10/31/2017	7:45	154	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171025-014

Composite 24h 10/25/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	10/26/2017	10:05	10/31/2017	7:45	5	mg/L	2.0	mg/L
CBOD20	SM 5210 B	10/26/2017	10:05	11/15/2017	8:05	8	mg/L	2.0	mg/L
CBOD5	SM 5210 B	10/26/2017	10:05	10/31/2017	7:45	5	mg/L	2.0	mg/L

## Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%.
CBOD5	Laboratory Fortified Blank (LFB) recovery is 116%. Acceptance limits are 85 to 115%. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW171026-011

Composite 24h 10/26/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/27/2017	10:40	11/1/2017	7:15	162	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.98, 0.48, 0.46, 0.44 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171026-012

Composite 24h 10/26/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/27/2017	10:40	11/1/2017	7:15	157	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.98, 0.48, 0.46, 0.44 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171026-013

Composite 24h 10/26/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/27/2017	10:40	11/1/2017	7:15	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.98, 0.48, 0.46, 0.44 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171028-010

Composite 24h 10/28/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/29/2017	10:15	11/3/2017	8:00	161	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%.
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WW171028-011

Composite 24h 10/28/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/29/2017	10:15	11/3/2017	8:00	184	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%.
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WW171028-012

Composite 24h 10/28/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/29/2017	10:15	11/3/2017	8:00	178	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%.
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WW171028-013

Composite 24h 10/28/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/29/2017	10:15	11/3/2017	8:00	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%.
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WW171030-015

Composite 24h 10/30/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	NA			10/31/2017	0:00	NA	mg/L	2.0	mg/L

## Data Qualifiers:

BOD5	Analysis moved to the next month.
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WW171031-010

Composite 24h 10/31/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/1/2017	10:05	11/6/2017	8:50	128	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	11/1/2017	8:37	11/1/2017	10:45	184	mg/L	2.5	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%.

WW171031-011

Composite 24h 10/31/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/1/2017	10:05	11/6/2017	8:50	153	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	11/1/2017	8:37	11/1/2017	10:45	304	mg/L	2.5	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%.

WW171031-012

Composite 24h 10/31/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/1/2017	10:05	11/6/2017	8:50	136	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	11/1/2017	8:37	11/1/2017	10:45	172	mg/L	2.5	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%.

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/1/2017	10:05	11/6/2017	8:50	2	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	11/1/2017	8:17	11/1/2017	10:20	1	mg/L	2.5	mg/L

Data Qualifiers:


CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 11/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report Date: 11/21/2017

WW171003-001

Grab 10/03/2017 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			10/4/2017	8:26	<1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.57. The maximum acceptable PCV is 0.556. The measured results were 2.0 MPN/100mL and 7.4 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW171003-002

Grab 10/03/2017 09:22

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			10/4/2017	8:26	2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.57. The maximum acceptable PCV is 0.556. The measured results were 2.0 MPN/100mL and 7.4 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW171004-001

Grab 10/04/2017 09:10

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			10/5/2017	8:18	3.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.8. The maximum acceptable PCV is 0.556. The measured results were 1.0 MPN/100mL and 6.1 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW171004-002

Grab 10/04/2017 09:17

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			10/5/2017	8:18	2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.8. The maximum acceptable PCV is 0.556. The measured results were 1.0 MPN/100mL and 6.1 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
---	---

WW171011-001

Grab 10/11/2017 09:10

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			10/11/2017	9:18	0.31	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Quality Control Sample (QCS) recovery is 112%. Acceptance limits are 90 to 110%.
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WW171011-002

Grab 10/11/2017 09:18

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			10/11/2017	9:18	0.22	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Quality Control Sample (QCS) recovery is 112%. Acceptance limits are 90 to 110%.
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WW171017-001

Grab 10/17/2017 09:10

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			10/18/2017	8:09	13.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.556. The measured results were 4.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW171017-002

Grab 10/17/2017 09:20



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			10/18/2017	8:09	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.556. The measured results were 4.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW171019-001

Grab 10/19/2017 09:03

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			10/19/2017	9:55	0.18	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 20%. The maximum acceptable RPD is 15%. The measured results were 0.07 and 0.06 mg/L
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WW171019-002

Grab 10/19/2017 09:12

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			10/19/2017	9:55	0.18	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 20%. The maximum acceptable RPD is 15%. The measured results were 0.07 and 0.06 mg/L
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WW171022-001

Grab 10/22/2017 09:05

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			10/22/2017	9:08	0.2	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 17%. The maximum acceptable RPD is 15%. The measured results were 0.09 and 0.07 mg/L.
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WW171022-002

Grab 10/22/2017 09:13

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			10/22/2017	9:08	0.19	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 17%. The maximum acceptable RPD is 15%. The measured results were 0.09 and 0.07 mg/L.
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WW171025-001

Grab 10/25/2017 09:05

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			10/25/2017	9:50	0.28	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 68%. The maximum acceptable RPD is 15%. The measured results were 0.10 and 0.05 mg/L.
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WW171025-002

Grab 10/25/2017 09:10

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			10/25/2017	9:50	0.17	mg/L		mg/L

Data Qualifiers:


Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 68%. The maximum acceptable RPD is 15%. The measured results were 0.10 and 0.05 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 11/21/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE WET Testing Composite

Report Date: 11/21/2017

WW171016-010

Composite 24h 10/16/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	NA			1/1/2000	12:00	NM	mg/L		mg/L
CBOD5	NA			1/1/2000	12:00	NM	mg/L		mg/L
N-Nitrosodimethylamine <sup>B,D</sup>	EPA 625	10/19/2017	8:00	10/20/2017	1:00	<5.1 <sup>E</sup>	µg/L	5.1	µg/L

Data Qualifiers:

CBOD20	Analysis Cancelled due to a Laboratory Accident.
CBOD5	Analysis Cancelled due to a Laboratory Accident.
N-Nitrosodimethylamine	The recovery of the LCSD is 51%, which is outside the acceptance limits of 54-120%. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.

WW171018-010

Composite 24h 10/18/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	10/23/2017	17:18	10/24/2017	18:24	<15 <sup>E</sup>	µg/L	15	µg/L
Hexachloroethane <sup>B,D</sup>	EPA 625	10/23/2017	17:18	10/24/2017	18:24	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
N-Nitrosodimethylamine <sup>B,D</sup>	EPA 625	10/23/2017	17:18	10/24/2017	18:24	<5.0 <sup>E</sup>	µg/L	5.0	µg/L

Data Qualifiers:

Hexachlorocyclopentadiene	The recovery of the LCS is 8% and the LCSD is 5%, which is outside the acceptance limits of 10-120%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 36%. The maximum acceptable RPD is 30%. The measured results were 7.77 and 5.39 µg/L. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.
Hexachloroethane	The recovery of the LCSD is 39%, which is outside the acceptance limits of 40-113%. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.
N-Nitrosodimethylamine	The recovery of the LCS is 53%, which is outside the acceptance limits of 54-120%. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/20/2017	13:10	10/25/2017	8:20	<2.00	mg/L	2	mg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	10/23/2017	17:18	10/24/2017	19:04	<15 <sup>E</sup>	µg/L	15	µg/L
Hexachloroethane <sup>B,D</sup>	EPA 625	10/23/2017	17:18	10/24/2017	19:04	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
N-Nitrosodimethylamine <sup>B,D</sup>	EPA 625	10/23/2017	17:18	10/24/2017	19:04	<5.0 <sup>E</sup>	µg/L	5.0	µg/L

Data Qualifiers:

CBOD5	LFB recovery is 162.00 mg/L. Acceptance Limits are 167.5 to 228.5 mg/L.
Hexachlorocyclopentadiene	The recovery of the LCS is 8% and the LCSD is 5%, which is outside the acceptance limits of 10-120%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 36%. The maximum acceptable RPD is 30%. The measured results were 7.77 and 5.39 µg/L. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.
Hexachloroethane	The recovery of the LCSD is 39%, which is outside the acceptance limits of 40-113%. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.
N-Nitrosodimethylamine	The recovery of the LCS is 53%, which is outside the acceptance limits of 54-120%. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Benzidine <sup>B,D</sup>	EPA 625	10/25/2017	17:09	11/1/2017	5:41	<60 <sup>E</sup>	µg/L	60	µg/L
beta-BHC <sup>B,D</sup>	EPA 625	10/26/2017	16:30	10/27/2017	20:19	<0.0082 <sup>E</sup>	µg/L	0.0082	µg/L
CBOD20	SM 5210 B	10/23/2017	14:20	11/12/2017	9:45	7.94 <sup>E</sup>	mg/L	2	mg/L
CBOD5	SM 5210 B	10/23/2017	14:20	10/28/2017	8:55	<2.0	mg/L	2	mg/L

Data Qualifiers:

Benzidine	The recovery of the LCSD is 27%, which is outside the acceptance limits of 31-120%. Sufficient sample was not available to repeat the analysis.
beta-BHC	There was a detection in the blank for beta BHC. The blank was 0.0081 instead of <0.0080.
CBOD20	Laboratory Fortified Blank (LFB) recovery is 164.3 mg/L. Acceptance limits are 167.5 to 228.5 mg/L).

CBOD5


Laboratory Fortified Blank (LFB) recovery is 164.3 mg/L. Acceptance limits are 167.5 to 228.5 mg/L).

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 11/21/2017

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

NE WW NPDES Weekly

Report Date: 11/21/2017

WW171004-020

Composite 24h 10/04/2017 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	EPA 351.2	10/24/2017	17:45	10/28/2017	13:42	8.7	mg/L as N	1.0	mg/L as N

Data Qualifiers:

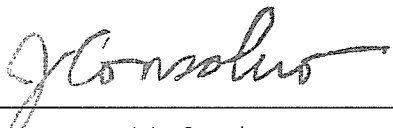
TKN	Laboratory Fortified Matrix (LFM) recovery is 117%. Acceptance limits are 90 to 110%.
-----	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 11/21/2017



**Debra A. McCarty, Water Commissioner**

December 28, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for November 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name: PHILA WATER DEPT - NORTHEAST WPC PLANT**

**Permit Number: PA0026689**

**Report Frequency: Monthly**

**Report Type: DMR**

**Reporting Period: 11/01/2017-11/30/2017**

**Report Due Date: 12/28/2017**

**Submitted By: Mary Ellen Senss**

**Submission Id: 79638**

**Submission Status: Received**

**Submission Type: Original**

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for November 2017

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>
PERMIT NUMBER

<b>001</b>
OUTFALL NUMBER

Reorting Frequency: **Monthly**  
 DMR Effective From: **11/01/2017**  
 DMR Effective To: **11/30/2017**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge? **No**

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
FROM 2017	11	01	TO	2017	11	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	4.3	6.2	***	mg/L	Grab	1/day
	Permit Measurement	***	***	***	Monitor & Report Inst Min	Monitor & Report Avg Mo	***	***	Grab	1/day
pH	Sample Measurement	***	***	***	6.6	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***	***	6.0 Inst Min	***	9.0 IMAX	***	Grab	1/day
Total Suspended Solids	Sample Measurement	3726	4219	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg	***	***	30 Avg Mo	45 Wkly Avg	***	24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	6.37	9.62	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.664	.985	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	2.264	3.200	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	7.80	11.70	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.218	.319	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.020	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0100	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0070	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.1910	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0540	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***	***	24-Hr Composite	1/month



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total	Sample Measurement	***	***	***	***	<.0260	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	141	205	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.23	.29	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	21	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4170	4489	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	12531	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***	***	***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	99	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
E-NPDES NE-201711.xls	Daily Effluent Monitoring Form	2017-12-27T12:50:33-05:00	
NPDES Cyanide Monthly Grab - NE (12-22-2017).pdf	Laboratory Accreditation Form	2017-12-27T12:56:00-05:00	
NE Daily Grab (12-22-2017).pdf	Laboratory Accreditation Form	2017-12-27T12:55:28-05:00	
NE Daily Composite 1 & 2 (12-22-2017).pdf	Laboratory Accreditation Form	2017-12-27T12:54:54-05:00	
BLSNE201711.xls	Nutrient Monitoring Form	2017-12-27T12:51:41-05:00	
Copy of 201711SL.xls-November.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-12-27T12:53:54-05:00	
NECSO 201711.xls	CSO Detailed Outfall Report Form	2017-12-27T12:53:21-05:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
			AREA CODE	NUMBER	2017	12	27
SENSSM		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

# PERMIT

## NEWPCP - NOVEMBER 2017

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 LBS*** (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	

W	11/01/2017	136	221	2	99	2,269	140	2	99	2,269	7
Th	11/02/2017	131	204	4	98	4,371	145	2	99	2,185	
F	11/03/2017	131	209	2	99	2,193	146	7	95	7,675	16
S	11/04/2017	154	260	3	99	3,847	168	3	98	3,847	
Su	11/05/2017	143	210	3	99	3,574	170	3	98	3,574	
M	11/06/2017	141	277	3	99	3,523	172	3	98	3,523	12
T	11/07/2017	205	246	8	97	13,692	159	7	96	11,980	
W	11/08/2017	126	286	2	99	2,107	170	3	98	3,161	9
Th	11/09/2017	125	203	2	99	2,093	138	2	99	2,093	
F	11/10/2017	131	253	3	99	3,272	166	3	98	3,272	
S	11/11/2017	153	230	1	100	1,273	150	3	98	3,820	
Su	11/12/2017	178	248	2	99	2,970	160	2	99	2,970	
M	11/13/2017	185	242	5	98	7,735	147	4	97	6,188	11
T	11/14/2017	138	286	2	99	2,297	154	2	99	2,297	
W	11/15/2017	134	263	2	99	2,227	165	3	98	3,341	9
Th	11/16/2017	133	257	2	99	2,217	173	2	99	2,217	
F	11/17/2017	131	216	3	99	3,290	129	3	98	3,290	
S	11/18/2017	165	292	5	98	6,874	158	5	97	6,874	
Su	11/19/2017	147	241	3	99	3,690	160	3	98	3,690	
M	11/20/2017	134	228	3	99	3,356	150	3	98	3,356	10
T	11/21/2017	134	188	4	98	4,458	147	3	98	3,344	
W	11/22/2017	146	155	2	99	2,429	167	3	98	3,643	11
Th	11/23/2017	141	251	2	99	2,353	190	5	97	5,881	
F	11/24/2017	131	285	3	99	3,269	188	4	98	4,359	
S	11/25/2017	131	211	2	99	2,192	162	4	98	4,383	
Su	11/26/2017	137	231	4	98	4,575	182	4	98	4,575	
M	11/27/2017	130	211	4	98	4,353	145	4	97	4,353	12
T	11/28/2017	131	230	4	98	4,357	164	3	98	3,268	
W	11/29/2017	127	257	3	99	3,169	175	5	97	5,281	11
Th	11/30/2017	128	229	4	98	4,264	166	4	98	4,264	
F	12/01/2017	129	250	3	99	3,226	151	4	97	4,301	
S	12/02/2017	127	195	4	98	4,232	173	4	98	4,232	

TOTAL	4,386	7,370					4,957				
AVERAGE	141	238	3	99	3,726		160	3	98	4,170	11

Wk1	146	244	3	99	4,219	161	3	98	4,489
Wk2	152	258	3	99	3,944	155	3	98	3,882
Wk3	138	223	3	99	3,107	166	4	98	4,094
Wk4	130	229	4	98	4,025	165	4	98	4,325

MAX 205

CBOD 20 LBS-- 12,531

NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS-- <71,760

- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - NOVEMBER 2017**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
W 11/01/2017	136	6.9	6.8	6.6	0.22	7		
Th 11/02/2017	131	6.6	6.8	6.2	0.28	1		
F 11/03/2017	131	7.0	6.9	6.3	0.22	36		
S 11/04/2017	154	6.8	6.8	6.5	0.20	22		
Su 11/05/2017	143	6.9	6.9	6.3	0.25	129		
M 11/06/2017	141	6.8	6.8	6.4	0.21	27		
T 11/07/2017	205	6.7	6.8	6.5	0.20	15		
W 11/08/2017	126	6.6	6.6	6.9	0.11	487		
Th 11/09/2017	125	6.6	6.7	6.3	0.20	10		
F 11/10/2017	131	6.8	6.8	6.3	0.19	15		
S 11/11/2017	153	6.9	6.9	6.2	0.20	18		
Su 11/12/2017	178	6.9	6.9	5.5	0.22	13		
M 11/13/2017	185	6.8	6.8	4.3	0.29	28		
T 11/14/2017	138	6.8	6.8	5.7	0.20	17		
W 11/15/2017	134	6.9	6.9	6.3	0.21	5		
Th 11/16/2017	133	6.9	6.9	6.4	0.23	9		
F 11/17/2017	131	7.0	6.9	6.7	0.23	8		
S 11/18/2017	165	6.9	6.9	6.5	0.29	2		
Su 11/19/2017	147	6.9	6.9	5.6	0.25	634		
M 11/20/2017	134	7.0	6.9	6.5	0.26	16		
T 11/21/2017	134	7.0	6.9	6.7	0.22	28		
W 11/22/2017	146	6.7	7.0	6.1	0.19	110		
Th 11/23/2017	141	7.0	6.9	6.8	0.22	23		
F 11/24/2017	131	7.0	7.0	6.5	0.23	40		
S 11/25/2017	131	6.9	6.9	6.5	0.28	19		
Su 11/26/2017	137	6.9	6.8	6.3	0.25	19		
M 11/27/2017	130	6.9	6.9	6.1	0.25	17		
T 11/28/2017	131	7.0	7.0	5.4	0.25	55		
W 11/29/2017	127	6.9	6.9	5.4	0.26	11		
Th 11/30/2017	128	7.1	6.9	5.7	0.26	16		
TOTAL	4,257	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	142	6.6	7.1	4.3	6.2	0.23	0.29	MEAN
								21

Wk1 146  
Wk2 152  
Wk3 138  
Wk4 130

**MAX** 205

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - NOVEMBER 2017  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
11/01/2017	0.23	0.21	0.22	6.4	6.8	6.6	11	4	7
11/02/2017	0.28	0.27	0.28	6.1	6.2	6.2	2	1	1
11/03/2017	0.22	0.21	0.22	6.2	6.3	6.3	54	25	36
11/04/2017	0.20	0.20	0.20	6.3	6.6	6.5	26	19	22
11/05/2017	0.26	0.24	0.25	6.2	6.4	6.3	179	93	129
11/06/2017	0.21	0.21	0.21	6.4	6.4	6.4	35	21	27
11/07/2017	0.19	0.20	0.20	6.4	6.5	6.5	24	10	15
11/08/2017	0.09	0.12	0.11	6.7	7.0	6.9	649	365	487
11/09/2017	0.19	0.20	0.20	6.2	6.4	6.3	9	11	10
11/10/2017	0.19	0.18	0.19	6.1	6.5	6.3	22	11	15
11/11/2017	0.19	0.20	0.20	6.1	6.3	6.2	26	12	18
11/12/2017	0.24	0.20	0.22	5.1	5.8	5.5	20	9	13
11/13/2017	0.30	0.27	0.29	4.4	4.1	4.3	53	15	28
11/14/2017	0.22	0.18	0.20	5.5	5.9	5.7	20	15	17
11/15/2017	0.21	0.20	0.21	6.2	6.4	6.3	7	3	5
11/16/2017	0.24	0.21	0.23	6.4	6.3	6.4	6	14	9
11/17/2017	0.24	0.21	0.23	6.5	6.8	6.7	7	10	8
11/18/2017	0.30	0.28	0.29	6.3	6.7	6.5	1	5	2
11/19/2017	0.25	0.24	0.25	5.5	5.6	5.6	980	411	634
11/20/2017	0.27	0.25	0.26	6.4	6.6	6.5	25	11	16
11/21/2017	0.21	0.22	0.22	6.5	6.9	6.7	51	16	28
11/22/2017	0.17	0.21	0.19	6.2	5.9	6.1	145	84	110
11/23/2017	0.21	0.23	0.22	6.7	6.8	6.8	39	13	23
11/24/2017	0.21	0.25	0.23	6.5	6.4	6.5	26	60	40
11/25/2017	0.28	0.27	0.28	6.4	6.5	6.5	18	20	19
11/26/2017	0.27	0.23	0.25	6.1	6.4	6.3	20	19	19
11/27/2017	0.25	0.25	0.25	5.8	6.3	6.1	29	10	17
11/28/2017	0.24	0.26	0.25	5.2	5.6	5.4	96	32	55
11/29/2017	0.24	0.27	0.26	5.2	5.5	5.4	20	6	11
11/30/2017	0.23	0.28	0.26	5.5	5.8	5.7	47	5	16
Avg	0.23	0.23	0.23	6.1	6.3	6.2	28	16	21

# PERMIT 2017

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
11/01/2017	158		
11/02/2017			
11/03/2017	149		
11/04/2017			
11/05/2017			
11/06/2017	172	5	97%
11/07/2017			
11/08/2017	242	6	98%
11/09/2017			
11/10/2017			
11/11/2017			
11/12/2017			
11/13/2017	140	7	95%
11/14/2017			
11/15/2017	162	7	96%
11/16/2017			
11/17/2017			
11/18/2017			
11/19/2017			
11/20/2017	206	7	97%
11/21/2017			
11/22/2017	170	7	96%
11/23/2017			
11/24/2017			
11/25/2017			
11/26/2017			
11/27/2017	144	8	94%
11/28/2017			
11/29/2017	178	7	96%
11/30/2017			
AVG	172	7	96%

DESIGN - 210 MGD

NEWPCP - NOVEMBER 2017						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
11/01/2017	38	69	29	136	168	
11/02/2017	38	66	27	131	162	
11/03/2017	37	68	26	131	163	
11/04/2017	45	76	33	154	231	0.03
11/05/2017	39	76	28	143	199	0.13
11/06/2017	37	76	27	141	177	T
11/07/2017	64	102	40	205	429	0.40
11/08/2017	37	60	29	126	161	0.01
11/09/2017	38	59	29	125	159	0.01
11/10/2017	37	68	26	131	162	
11/11/2017	38	89	26	153	181	
11/12/2017	39	111	28	178	219	
11/13/2017	51	99	35	185	379	0.24
11/14/2017	38	73	27	138	172	
11/15/2017	38	67	28	134	164	
11/16/2017	38	67	28	133	163	0.01
11/17/2017	37	68	26	131	167	
11/18/2017	53	72	40	165	404	0.03
11/19/2017	44	72	32	147	301	0.33
11/20/2017	38	68	29	134	176	
11/21/2017	32	68	33	134	182	
11/22/2017	44	72	30	146	247	0.09
11/23/2017	39	74	28	141	189	
11/24/2017	37	68	26	131	182	
11/25/2017	38	66	28	131	170	
11/26/2017	39	71	28	137	172	
11/27/2017	37	66	27	130	163	
11/28/2017	37	66	28	131	188	
11/29/2017	37	65	25	127	183	
11/30/2017	37	65	26	128	210	0.02
	36	65	28	129	181	
	37	63	27	127	168	
TOTAL	1,236	2,251	899	4,386		1.30
AVG	40	73	29	141		
			MIN	125	159	
			MAX	205	429	

\* ADJUSTED FOR RECYCLE.



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
**Northeast Water Pollution Control Plant**  
**NPDES SUMMARY FOR THE MONTH OF NOVEMBER 2017**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
11/01/2017	0.985	3.200	4.99	4.77	0.131
11/08/2017	0.565	2.250	4.60	6.35	0.319
11/15/2017	0.642	2.630	5.81	7.22	0.188
11/21/2017	0.641	1.920	6.83	8.95	0.198
11/29/2017	0.485	1.320	9.62	11.70	0.256
<b>AVG</b>	0.664	2.264	6.37	7.80	0.218
<b>MAX</b>	0.985	3.200	9.62	11.70	0.319

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
11/02/2017	< 0.020

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	11/08/2017
Copper	0.0070
Iron	0.1910
Iron Dissolved	0.0540
Lead	< 0.0030
Zinc	< 0.0260

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	11/07/2016
1,2-Dichloroethane	< 0.0010
Chloroform	< 0.0010
Chlorodibromomethane	< 0.0010
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
NOVEMBER 2017	Sludge Flow To	Sludge Processed by		Sludge Flow To	Sludge Processed by	
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD DT		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD DT	
11/01/2017	0.92	0.35	38.57	1.84	2.22	239.99
11/02/2017	0.89	1.25	145.63	1.01	1.08	123.74
11/03/2017	0.76	1.03	103.76	1.35	1.30	144.83
11/04/2017	-	-	-	1.09	1.16	130.36
11/05/2017	0.93	0.77	82.17	1.27	1.05	109.65
11/06/2017	0.92	1.07	154.99	0.84	1.11	111.13
11/07/2017	-	-	-	1.23	1.11	136.59
11/08/2017	0.72	0.62	49.89	1.37	1.25	138.49
11/09/2017	1.10	0.72	80.61	0.54	0.25	26.96
11/10/2017	0.93	0.99	102.02	0.14	0.37	41.31
11/11/2017	0.91	1.23	130.22	0.98	1.00	101.70
11/12/2017	-	0.12	9.55	2.79	2.54	236.81
11/13/2017	0.92	0.13	13.92	1.29	1.34	120.77
11/14/2017	0.92	1.38	145.98	-	0.06	4.27
11/15/2017	0.92	1.17	131.47	0.80	0.87	99.34
11/16/2017	-	-	-	2.01	2.21	197.26
11/17/2017	0.91	0.58	63.79	1.64	1.62	167.33
11/18/2017	0.91	0.75	76.12	1.08	0.96	98.06
11/19/2017	0.91	1.22	127.10	1.25	1.03	99.39
11/20/2017	0.56	0.79	78.91	1.10	1.24	125.69
11/21/2017	-	-	-	1.48	1.39	136.60
11/22/2017	0.91	0.33	34.46	1.12	1.12	127.11
11/23/2017	-	0.46	44.78	1.03	1.27	128.84
11/24/2017	0.90	1.02	110.63	1.24	1.14	109.47
11/25/2017	0.92	0.90	97.49	1.08	1.10	123.13
11/26/2017	0.90	0.64	76.51	1.11	0.92	102.81
11/27/2017	0.91	0.63	70.96	1.14	1.42	155.69
11/28/2017	0.91	0.95	106.11	0.54	0.16	16.80
11/29/2017	0.90	1.02	110.67	0.33	0.63	68.66
11/30/2017	0.91	0.83	94.70	1.24	1.15	124.49
<b>TOTAL</b>	21.363	20.970	2,281	33.883	34.082	3,547
<b>AVERAGE</b>	0.712	0.699	76	1.129	1.136	118

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20171222-001  
 Report Date: 12/22/2017

NE Daily Composite 1 & 2

WW171102-013

Composite 24h 11/02/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Phenols <sup>B,D</sup>	EPA 420.4			11/10/2017	1:53	<0.020 <sup>E</sup>	mg/L		mg/L
Solids Suspended Total	SM 2540 D	11/3/2017	8:01	11/3/2017	10:08	4	mg/L		mg/L

Data Qualifiers:

Phenols	Laboratory Fortified Matrix (LFM) recovery is 117%. Acceptance limits are 90 to 110%.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 132.5%. Acceptance limits are 85 to 115%.

WW171103-020

Composite 24h 11/03/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/4/2017	11:30	11/9/2017	6:20	7	mg/L		mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%.
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WW171105-013

Composite 24h 11/05/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	11/6/2017	7:30	11/6/2017	9:46	3	mg/L		mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW171108-014

Composite 24h 11/08/2017 07:50

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	11/9/2017	8:50	11/14/2017	7:30	7	mg/L		mg/L
CBOD20	SM 5210 B	11/9/2017	8:40	11/29/2017	7:45	9	mg/L		mg/L
CBOD5	SM 5210 B	11/9/2017	8:50	11/14/2017	7:30	3	mg/L		mg/L

Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD20	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.

WW171109-013

Composite 24h 11/09/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/10/2017	10:05	11/15/2017	8:05	2	mg/L		mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171112-013

Composite 24h 11/12/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	11/13/2017	8:01	11/13/2017	10:05	2	mg/L		mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 62.5%. Acceptance limits are 85 to 115%.
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WW171113-014

Composite 24h 11/13/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	11/14/2017	9:45	11/19/2017	6:45	7	mg/L		mg/L
CBOD5	SM 5210 B	11/14/2017	9:45	11/19/2017	6:45	4	mg/L		mg/L

Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW171114-013

Composite 24h 11/14/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	11/15/2017	8:15	11/15/2017	10:23	2	mg/L		mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 85 to 115%.
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WW171115-014

Composite 24h 11/15/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	SM 5210 B	1/16/2017	9:05	12/6/2017	7:50	9	mg/L		mg/L
CBOD5	SM 5210 B	11/16/2017	9:05	11/21/2017	6:40	3	mg/L		mg/L
TKN	SM 4500 Norg D	11/22/2017	9:27	11/27/2017	12:18	7.22	mg/L as N		mg/L as N

## Data Qualifiers:

CBOD20	Laboratory Fortified Blank (LFB) recovery is 119%. Acceptance limits are 85 to 115%
CBOD5	Laboratory Fortified Blank (LFB) recovery is 119%. Acceptance limits are 85 to 115%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 89.5%. Acceptance limits are 90-110%.

WW171116-013

Composite 24h 11/16/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	11/17/2017	8:08	11/17/2017	10:17	2	mg/L		mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW171119-013

Composite 24h 11/19/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/20/2017	9:40	11/25/2017	9:30	3	mg/L		mg/L
Solids Suspended Total	SM 2540 D	11/20/2017	8:08	11/20/2017	10:20	3	mg/L		mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.23 and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%.

WW171121-013

Composite 24h 11/21/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	11/22/2017	8:37	11/22/2017	10:46	4	mg/L		mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW171122-014

Composite 24h 11/22/2017 07:40

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	11/23/2017	8:06	11/23/2017	10:35	2	mg/L		mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 140%. Acceptance limits are 85 to 115%.
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WW171123-013

Composite 24h 11/23/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	11/24/2017	8:12	11/24/2017	10:20	2	mg/L		mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 67.5%. Acceptance limits are 85 to 115%.
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WW171124-013

Composite 24h 11/24/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/25/2017	12:35	11/30/2017	7:50	4	mg/L		mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.36 and 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171125-013

Composite 24h 11/25/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/26/2017	11:45	12/1/2017	8:05	4	mg/L		mg/L
Solids Suspended Total	SM 2540 D	11/26/2017	7:55	11/26/2017	9:56	2	mg/L		mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 70%. Acceptance limits are 85 to 115%.

WW171127-014

Composite 24h 11/27/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	11/28/2017	8:10	11/28/2017	10:23	4	mg/L		mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW171128-013

Composite 24h 11/28/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	11/29/2017	8:16	11/29/2017	10:42	4	mg/L		mg/L

Data Qualifiers:

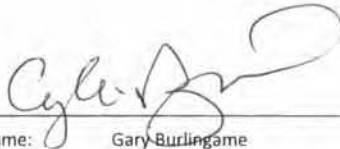
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
------------------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: Gary Burlingame  
 Title: Laboratory Director  
 Date: 12/22/2017

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20171222-002  
 Report Date: 12/22/2017

NE Daily Grab

WW171109-001

Grab 11/09/2017 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			11/9/2017	9:35	0.19	mg/L		mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.05 and 0.06 mg/L.
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WW171109-002

Grab 11/09/2017 09:29

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			11/9/2017	9:35	0.2	mg/L		mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.05 and 0.06 mg/L.
-------------------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

Name: Gary Burlingame  
 Title: Laboratory Director  
 Date: 12/22/2017



Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NPDES Cyanide Monthly Grab - NE

Report: NPW20171222-003  
 Report Date: 12/22/2017

WW171101-017

Grab 11/01/2017 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	11/7/2017	16:30	11/9/2017	14:24	<0.010 <sup>F</sup>	mg/L		mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 88%. Acceptance limits are 90 to 110%.
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WW171101-018

Grab 11/01/2017 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	11/7/2017	16:30	11/9/2017	14:32	<0.010 <sup>F</sup>	mg/L		mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 88%. Acceptance limits are 90 to 110%.
---------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

Name: Gary Burlingame  
 Title: Laboratory Director  
 Date: 12/22/2017



Debra A. McCarty, Water Commissioner

January 26, 2018

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for December 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 12/01/2017-12/31/2017

**Report Due Date:** 01/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 84343

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for December 2017

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - DECEMBER 2017 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	

F	12/01/2017	129	251	3	99		3,226		152	4	97	4,301	
S	12/02/2017	127	195	4	98		4,232		173	4	98	4,232	
Su	12/03/2017	148	208	4	98		4,933		174	4	98	4,933	
M	12/04/2017	127	234	4	98		4,230		159	4	97	4,230	11
T	12/05/2017	176	325	17	95		24,939		183	12	93	17,604	
W	12/06/2017	116	214	5	98		4,838		157	4	97	3,870	12
Th	12/07/2017	115	225	4	98		3,830		170	4	98	3,830	
F	12/08/2017	119	212	4	98		3,956		171	4	98	3,956	
S	12/09/2017	153	194	4	98		5,091		164	5	97	6,364	
Su	12/10/2017	169	241	4	98		5,628		141	4	97	5,628	
M	12/11/2017	143	231	3	99		3,569		164	4	98	4,758	14
T	12/12/2017	133	226	3	99		3,320		194	4	98	4,427	
W	12/13/2017	130	218	3	99		3,252		160	5	97	5,420	15
Th	12/14/2017	134	211	3	99		3,344		169	4	98	4,458	
F	12/15/2017	131	212	3	99		3,267		188	3	98	3,267	
S	12/16/2017	148	293	3	99		3,705		193	7	96	8,646	
Su	12/17/2017	144	233	1	100		1,202		155	4	97	4,807	
M	12/18/2017	133	253	2	99		2,217		171	4	98	4,434	13
T	12/19/2017	133	220	2	99		2,218		150	4	97	4,436	
W	12/20/2017	131	245	4	98		4,362		150	4	97	4,362	13
Th	12/21/2017	135	215	4	98		4,511		174	5	97	5,639	
F	12/22/2017	138	288	5	98		5,771		192	5	97	5,771	
S	12/23/2017	228	333	21	94		39,878		177	16	91	30,383	
Su	12/24/2017	175	174	5	97		7,312		151	7	95	10,237	
M	12/25/2017	135	177	5	97		5,644		132	4	97	4,515	11
T	12/26/2017	137	279	4	99		4,582		149	4	97	4,582	
W	12/27/2017	142	241	5	98		5,929		151	5	97	5,929	15
Th	12/28/2017	151	312	3	99		3,788		207	5	98	6,313	
F	12/29/2017	139	175	3	98		3,482		176	5	97	5,804	
S	12/30/2017	143	226	3	99		3,582		170	5	97	5,969	
Su	12/31/2017	152	175	4	98		5,073		171	5	97	6,342	

TOTAL AVERAGE	4,413	7,236							5,188				
	142	233	5	98		5,965		167	5	97	6,434	13	

Wk1	136	230	6	98		7,402		168	5	97	6,398	
Wk2	141	233	3	99		3,726		173	4	97	5,229	
Wk3	149	255	6	98		8,594		167	6	96	8,547	
Wk4	146	226	4	98		4,903		162	5	97	6,193	

MAX 228

CBOD 20 LBS-- 14,368

NPDES/D LIMITS	MO	<30	>85	<52,540	<25	>86	<36,430
	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - DECEMBER 2017**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
F 12/01/2017	129	7.0	7.0	6.3	0.21	14		
S 12/02/2017	127	6.9	6.9	6.5	0.24	4		
Su 12/03/2017	148	7.0	6.9	6.7	0.27	3		
M 12/04/2017	127	6.9	6.9	6.8	0.22	14		
T 12/05/2017	176	6.8	6.9	6.7	0.21	23		
W 12/06/2017	116	6.8	6.7	6.7	0.20	16		
Th 12/07/2017	115	7.0	7.0	6.8	0.23	16		
F 12/08/2017	119	6.9	6.9	6.5	0.26	15		
S 12/09/2017	153	6.9	6.9	6.4	0.22	11		
Su 12/10/2017	169	7.0	6.9	5.9	0.18	30		
M 12/11/2017	143	6.9	6.9	6.0	0.27	15		
T 12/12/2017	133	7.0	6.9	5.1	0.28	18		
W 12/13/2017	130	7.0	6.9	6.9	0.22	83		
Th 12/14/2017	134	7.0	6.9	6.4	0.27	15		
F 12/15/2017	131	7.0	7.0	6.7	0.23	63		
S 12/16/2017	148	6.8	6.9	6.5	0.26	18		
Su 12/17/2017	144	6.9	6.9	7.0	0.25	17		
M 12/18/2017	133	7.0	7.0	6.5	0.28	23		
T 12/19/2017	133	7.0	6.9	6.7	0.21	34		
W 12/20/2017	131	7.0	6.9	6.7	0.21	117		
Th 12/21/2017	135	7.0	7.0	6.6	0.23	43		
F 12/22/2017	138	7.0	7.0	6.7	0.25	26		
S 12/23/2017	228	7.0	7.0	5.6	0.36	21		
Su 12/24/2017	175	6.8	6.7	7.0	0.29	24		
M 12/25/2017	135	6.8	6.8	6.6	0.31	39		
T 12/26/2017	137	6.7	6.9	7.2	0.29	7		
W 12/27/2017	142	7.0	7.0	6.9	0.24	41		
Th 12/28/2017	151	7.1	7.1	6.8	0.26	21		
F 12/29/2017	139	7.0	7.0	7.1	0.26	58		
S 12/30/2017	143	6.9	6.9	7.2	0.29	16		
Su 12/31/2017	152	7.0	7.0	7.2	0.32	14		
TOTAL	4,413	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	142	6.7	7.1	5.1	6.6	0.25	0.36	MEAN
								21

Wk1 136  
Wk2 141  
Wk3 149  
Wk4 146

MAX 228

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - DECEMBER 2017  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
12/01/2017	0.21	0.21	0.21	6.2	6.3	6.3	15	13	14
12/02/2017	0.25	0.22	0.24	6.4	6.6	6.5	5	3	4
12/03/2017	0.27	0.26	0.27	6.6	6.8	6.7	6	1	3
12/04/2017	0.22	0.22	0.22	6.9	6.6	6.8	23	8	14
12/05/2017	0.20	0.21	0.21	6.6	6.7	6.7	33	16	23
12/06/2017	0.22	0.18	0.20	6.7	6.6	6.7	11	25	16
12/07/2017	0.24	0.21	0.23	6.7	6.8	6.8	17	16	16
12/08/2017	0.28	0.23	0.26	6.5	6.4	6.5	19	12	15
12/09/2017	0.21	0.22	0.22	6.2	6.5	6.4	17	8	11
12/10/2017	0.18	0.18	0.18	5.6	6.2	5.9	93	10	30
12/11/2017	0.26	0.27	0.27	5.8	6.1	6.0	77	3	15
12/12/2017	0.25	0.31	0.28	4.8	5.3	5.1	49	6	18
12/13/2017	0.23	0.21	0.22	6.9	6.9	6.9	129	54	83
12/14/2017	0.26	0.27	0.27	6.3	6.4	6.4	28	9	15
12/15/2017	0.22	0.23	0.23	6.6	6.8	6.7	145	27	63
12/16/2017	0.25	0.26	0.26	6.4	6.5	6.5	49	6	18
12/17/2017	0.25	0.25	0.25	7.0	6.9	7.0	36	9	17
12/18/2017	0.28	0.27	0.28	6.5	6.5	6.5	50	11	23
12/19/2017	0.25	0.17	0.21	6.6	6.8	6.7	16	74	34
12/20/2017	0.20	0.21	0.21	6.6	6.7	6.7	139	98	117
12/21/2017	0.22	0.23	0.23	6.4	6.8	6.6	101	18	43
12/22/2017	0.27	0.23	0.25	6.5	6.8	6.7	56	12	26
12/23/2017	0.33	0.38	0.36	5.5	5.6	5.6	26	17	21
12/24/2017	0.23	0.34	0.29	6.9	7.1	7.0	29	20	24
12/25/2017	0.24	0.37	0.31	6.4	6.8	6.6	70	21	39
12/26/2017	0.28	0.30	0.29	6.9	7.4	7.2	24	2	7
12/27/2017	0.26	0.22	0.24	6.8	6.9	6.9	52	32	41
12/28/2017	0.28	0.24	0.26	6.5	7.1	6.8	24	18	21
12/29/2017	0.27	0.25	0.26	6.9	7.3	7.1	50	66	58
12/30/2017	0.33	0.24	0.29	7.0	7.3	7.2	14	20	16
12/31/2017	0.34	0.30	0.32	7.0	7.3	7.2	18	11	14
Avg	0.25	0.25	0.25	6.5	6.7	6.6	33	13	21

# PERMIT NEWPCP - DECEMBER 2017

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
12/01/2017			
12/02/2017			
12/03/2017			
12/04/2017	164	8	95%
12/05/2017			
12/06/2017	164	8	95%
12/07/2017			
12/08/2017			
12/09/2017			
12/10/2017			
12/11/2017	153	9	94%
12/12/2017			
12/13/2017	175	8	95%
12/14/2017			
12/15/2017			
12/16/2017			
12/17/2017			
12/18/2017	158	8	95%
12/19/2017			
12/20/2017	176	8	95%
12/21/2017			
12/22/2017			
12/23/2017			
12/24/2017			
12/25/2017	139	8	94%
12/26/2017			
12/27/2017	157	8	95%
12/28/2017			
12/29/2017			
12/30/2017			
12/31/2017			
AVG	161	8	95%

DESIGN - 210 MGD

NEWPCP - DECEMBER 2017						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
12/01/2017	36	65	28	129	181	
12/02/2017	37	63	27	127	168	
12/03/2017	38	73	36	148	175	
12/04/2017	37	63	27	127	162	
12/05/2017	57	84	35	176	375	0.16
12/06/2017	37	52	28	116	184	T
12/07/2017	36	51	28	115	178	
12/08/2017	36	57	26	119	153	
12/09/2017	42	83	27	153	187	0.37
12/10/2017	44	94	31	169	234	T
12/11/2017	39	75	29	143	231	T
12/12/2017	38	66	28	133	164	
12/13/2017	37	66	27	130	193	0.06
12/14/2017	38	68	27	134	176	T
12/15/2017	36	68	26	131	158	0.16
12/16/2017	43	75	30	148	263	
12/17/2017	40	76	28	144	186	
12/18/2017	37	69	27	133	205	T
12/19/2017	37	69	27	133	170	
12/20/2017	37	69	25	131	163	
12/21/2017	38	71	26	135	165	
12/22/2017	41	69	28	138	243	
12/23/2017	75	110	43	228	423	0.37
12/24/2017	52	89	34	175	286	0.13
12/25/2017	38	72	25	135	174	0.02
12/26/2017	38	75	25	137	207	
12/27/2017	38	79	26	142	180	
12/28/2017	38	85	28	151	212	
12/29/2017	38	72	29	139	185	
12/30/2017	39	73	31	143	187	0.04
12/31/2017	40	82	31	152	184	
TOTAL	1,256	2,262	895	4,413		1.31
AVG	41	73	29	142		
			MIN	115	153	
			MAX	228	423	

\* ADJUSTED FOR RECYCLE.



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF DECEMBER 2017**

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
12/06/2017	0.536	1.240	9.29	10.50	0.641
12/13/2017	0.872	2.050	9.14	9.11	0.317
12/20/2017	0.699	1.320	10.50	10.30	0.252
12/27/2017	0.600	1.400	12.40	12.00	0.284
<b>AVG</b>	0.677	1.503	10.33	10.48	0.374
<b>MAX</b>	0.872	2.050	12.40	12.00	0.641

**Cyanide and Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
12/07/2017	< 0.020

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

**Metals Data (mg/L)  
Northeast WPCP - Outfall**

Date	12/06/2017
Copper	0.0110
Iron	0.7440
Iron Dissolved	0.0640
Lead	< 0.0030
Zinc	0.0350

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	12/04/2017
1,2-Dichloroethane	< 0.0010
Chloroform	0.0030
Chlorodibromomethane	< 0.0010
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
DECEMBER 2017	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
12/01/2018	1.79	1.25	130.81	2.52	2.61	263.17
12/02/2018	-	0.65	73.82	1.87	2.01	205.62
12/03/2018	0.91	0.37	37.32	1.91	1.83	183.92
12/04/2018	0.93	1.08	114.74	1.27	1.35	115.87
12/05/2018	-	0.38	39.39	1.49	1.58	145.80
12/06/2018	0.94	0.55	59.63	1.31	1.32	121.57
12/07/2018	0.94	1.05	106.11	1.29	1.13	101.54
12/08/2018	0.91	0.28	29.52	1.26	1.16	120.30
12/09/2018	-	0.81	79.81	1.22	1.18	141.93
12/10/2018	0.90	1.01	101.96	1.25	1.23	123.16
12/11/2018	0.90	0.88	94.02	1.16	1.37	130.44
12/12/2018	0.88	0.91	96.49	1.15	0.94	83.75
12/13/2018	0.91	0.35	32.23	1.00	0.99	98.33
12/14/2018	0.89	0.78	77.88	1.23	1.13	111.28
12/15/2018	0.90	0.86	90.67	0.88	0.71	97.78
12/16/2018	-	0.64	65.34	0.53	0.93	94.80
12/17/2018	0.93	0.95	97.61	1.39	1.30	123.70
12/18/2018	0.45	0.45	46.92	1.53	1.57	151.94
12/19/2018	1.38	0.69	68.14	1.11	0.88	83.51
12/20/2018	0.92	0.94	101.08	0.29	0.44	40.24
12/21/2018	0.90	1.58	171.44	0.95	0.93	81.27
12/22/2018	-	-	-	2.06	2.10	201.80
12/23/2018	0.92	0.14	13.82	1.62	1.57	170.03
12/24/2018	0.94	1.30	138.54	1.08	0.90	86.39
12/25/2018	-	0.36	38.37	1.26	1.39	136.93
12/26/2018	0.93	0.74	71.67	1.35	1.25	140.73
12/27/2018	0.94	0.29	28.11	0.96	0.96	95.14
12/28/2018	-	0.90	92.15	0.64	0.76	79.90
12/29/2018	0.89	0.68	70.05	1.05	1.01	102.34
12/30/2018	-	0.16	12.24	2.00	2.11	198.87
12/31/2018	0.89	1.02	105.74	1.43	1.33	134.44
<b>TOTAL</b>	21.901	22.047	2,286	40.068	39.981	3,967
<b>AVERAGE</b>	0.706	0.711	74	1.293	1.290	128



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

**PA0026689**  
 PERMIT NUMBER

**001**  
 OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **12/01/2017**  
 DMR Effective To: **12/31/2017**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge? **No**

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2017	12	01	TO	2017	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	5.1	6.6	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.7	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAx		Grab	1/day
Total Suspended Solids	Sample Measurement	5965	8594	lbs/day	***	5	6	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	10.33	12.40	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.677	.872	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	1.503	2.050	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	10.48	12.00	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.374	.641	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0030	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.020	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0110	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.7440	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0640	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total	Sample Measurement	***	***	***	***	.0350	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	142	228	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.25	.36	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	21	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	6434	8547	lbs/day	***	5	6	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	14368	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***	***	***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	98	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
E-NPDES NE-201712.xls	Daily Effluent Monitoring Form	2018-01-26T11:13:05-05:00	
NPDES Cyanide Monthly Grab - NE (01-24-2018).pdf	Laboratory Accreditation Form	2018-01-26T11:16:59-05:00	
NE Daily Composite 1 & 2 (01-24-2018).pdf	Laboratory Accreditation Form	2018-01-26T11:15:56-05:00	
NE Daily Grab (01-24-2018).pdf	Laboratory Accreditation Form	2018-01-26T11:16:31-05:00	
BLSNE201712.xls	Nutrient Monitoring Form	2018-01-26T11:13:37-05:00	
201712SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-01-26T11:15:14-05:00	
NECSO 201712.xls	CSO Detailed Outfall Report Form	2018-01-26T11:14:25-05:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
			AREA CODE	NUMBER	2018	1	26
SENSSM		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



Debra A. McCarty, Water Commissioner

January 26, 2018

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for the period from October 2017 to December 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Quarterly

**Report Type:** DMR

**Reporting Period:** 10/01/2017-12/31/2017

**Report Due Date:** 01/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 84368

**Submission Status:** Received

**Submission Type:** Original

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF OCTOBER 2017

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
10/04/2017	1.180	1.850	6.00	8.70	0.209
10/11/2017	1.350	2.690	3.41	4.23	0.127
10/16/2017	1.230	3.390	5.68	6.03	0.149
10/18/2017	1.230	3.500	5.41	5.49	0.127
10/20/2017	1.300	3.770	5.10	5.47	0.130
10/23/2017	1.130	3.540	5.73	5.80	0.191
10/25/2017	0.691	2.130	4.19	4.69	0.202
<b>AVG</b>	1.159	2.981	5.07	5.77	0.162
<b>MAX</b>	1.350	3.770	6.00	8.70	0.209

**Cyanide and Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
10/16/2017	< 0.020
10/18/2017	< 0.020
10/20/2017	0.025
<b>AVG</b>	< 0.022

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	10/16/2017	10/18/2017	10/20/2017	10/23/2017	AVG
Copper	0.0050	0.0050	0.0050	0.0050	0.0050
Iron	0.1930	0.1870	0.1860	0.1990	0.1913
Iron Dissolved	0.0760	0.0640	0.0700	0.0670	0.0693
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	10/15/2017	10/16/2017	10/17/2017	10/18/2017	10/19/2017	10/20/2017	10/22/2017	10/23/2017	AVG
1,2-Dichloroethane	< 0.0010	< 0.0010		< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0021
3,3-Dichlorobenzidine		< 0.0051		< 0.0050		< 0.0050		< 0.0050	< 0.0050
alpha-BHC		< 0.0000094		< 0.0000081		< 0.0000096		< 0.0000082	< 0.0000088
Benzidine		< 0.0610		< 0.0600		< 0.0600		< 0.0600	< 0.0603
Beta-BHC		< 0.0000094		< 0.0000081		< 0.0000096		< 0.0000082	< 0.0000088
Chlordane		< 0.0004700		< 0.0004000		< 0.0004800		< 0.0004100	< 0.0004400
Chloroform	0.0010	0.0010	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0021
Chlorodibromomethane		0.0010	< 0.0025		< 0.0025		< 0.0025		< 0.0021
Dieldrin		< 0.0000190		< 0.0000160		< 0.0000190		< 0.0000160	< 0.0000175
Endrin		< 0.0000190		< 0.0000160		< 0.0000190		< 0.0000160	< 0.0000175
Heptachlor		0.0000300		0.0000100		0.0000100		< 0.0000082	< 0.0000146
p,p'-DDD		< 0.0000190		< 0.0000160		< 0.0000190		< 0.0000160	< 0.0000175
p,p'-DDE		< 0.0000190		< 0.0000160		< 0.0000190		< 0.0000160	< 0.0000175
p,p'-DDT		< 0.0000190		< 0.0000160		< 0.0000190		< 0.0000160	< 0.0000175
Lindane(Gamma-BHC)		0.0000200		0.0000100		< 0.0000096		< 0.0000082	< 0.0000120
Tetrachloroethylene	< 0.0010	< 0.0010	< 0.0025		< 0.0025		< 0.0025		< 0.0019
Trichloroethylene	< 0.0010	< 0.0010	< 0.0025		< 0.0025		< 0.0025		< 0.0019

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF OCTOBER 2017**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**10/23/2017**

<b>Toxicity, Ceriodaphnia acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Ceriodaphnia chronic</b>		<b>1</b>
<b>Toxicity, Pimphales acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Pimphales chronic</b>		<b>1</b>





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Quarterly**  
 DMR Effective From: **10/01/2017**  
 DMR Effective To: **12/31/2017**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge? **No**

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2017	10	01	TO	2017	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival	Sample Measurement	***	***	***	***	***	<1	TUa	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Toxicity, Chronic - Ceriodaphnia Survival	Sample Measurement	***	***	***	***	***	1	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Toxicity, Acute - Pimephales Survival	Sample Measurement	***	***	***	***	***	<1	TUa	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Chlordane	Sample Measurement	***	***	***	***	<.0004400	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
3,3-Dichlorobenzidine	Sample Measurement	***	***	***	***	<.0050	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Benzidine	Sample Measurement	***	***	***	***	<.0603	***	mg/L	Grab	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/quarter
4,4-DDT	Sample Measurement	***	***	***	***	<.0000175	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDD	Sample Measurement	***	***	***	***	<.0000175	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDE	Sample Measurement	***	***	***	***	<.0000175	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
alpha-BHC	Sample Measurement	***	***	***	***	<.0000088	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
beta-BHC	Sample Measurement	***	***	***	***	<.0000088	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
gamma-BHC (Lindane)	Sample Measurement	***	***	***	***	<.0000120	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Dieldrin	Sample Measurement	***	***	***	***	<.0000175	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Endrin	Sample Measurement	***	***	***	***	<.0000175	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Heptachlor	Sample Measurement	***	***	***	***	<.0000146	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Toxicity, Chronic - Pimephales Survival	Sample Measurement	***	***	***	***	***	1	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
NE WET Testing Composite (11-21-2017).pdf	Laboratory Accreditation Form	2018-01-26T11:52:20-05:00	
BLSNE201710.xls	WET Test Summary Report	2018-01-26T11:51:25-05:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
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**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachment for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2018	1	26
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO



Debra A. McCarty, Water Commissioner

January 26, 2018

The City of Philadelphia hereby submits the Annually Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for 2017. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Annually

**Report Type:** DMR

**Reporting Period:** 01/01/2017-12/31/2017

**Report Due Date:** 01/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 84376

**Submission Status:** Received

**Submission Type:** Original

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF DECEMBER 2017

Central Laboratory

**Stormwater Sampling (mg/L)**

**Northeast WPCP - Outfall**

**04/21/2017**

<b>COD</b>		55
<b>HEM (Oil &amp; Grease)</b>	<	5.0
<b>Phosphorous Total</b>		0.222
<b>TKN</b>	<	5
<b>CBOD<sub>5</sub></b>		9
<b>Total Suspended Solid</b>		58

**Stormwater Sampling (pH)**

**04/21/2017**

<b>pH</b>		7.4
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**Stormwater Sampling (#/100mls)**

**04/21/2017**

<b>Fecal Coliform</b>		1,119.9
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PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES  
Northeast Water Pollution Control Plant  
NPDES SUMMARY FOR THE MONTH OF DECEMBER 2017

Central Laboratory

PCB (pg/L)

Northeast WPCP - Outfall

PCB	04/11/2017	05/06/2017	09/26/2017	10/09/2017	AVG
Dry Test	1,648		1,173		1,411
Wet Test		2,149		1,194	1,671



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reorting Frequency: Annually  
 DMR Effective From: 01/01/2017  
 DMR Effective To: 12/31/2017  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge? No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2017	01	01	TO	2017	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
PCBs Wet Weather Analysis	Sample Measurement	***	***	***	1194	***	2149	pg/L	24-Hr Composite	2/year
	Permit Measurement	***	***		Monitor & Report Min	***	Monitor & Report Max		24-Hr Composite	2/year
PCBs Dry Weather Analysis	Sample Measurement	***	***	***	1173	***	1648	pg/L	24-Hr Composite	2/year
	Permit Measurement	***	***		Monitor & Report Min	***	Monitor & Report Max		24-Hr Composite	2/year
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

PA0026689
PERMIT NUMBER

061
OUTFALL NUMBER

Reporting Frequency: Annually  
 DMR Effective From: 01/01/2017  
 DMR Effective To: 12/31/2017  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge? No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2017	01	01	TO	2017	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Chemical Oxygen Demand (COD)	Sample Measurement	***	***	***	***	***	55	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
pH	Sample Measurement	***	***	***	***	***	7.4	S.U.	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Total Suspended Solids	Sample Measurement	***	***	***	***	***	58	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Oil and Grease	Sample Measurement	***	***	***	***	***	<5.0	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	***	<5	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Total Phosphorus	Sample Measurement	***	***	***	***	***	.222	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Fecal Coliform	Sample Measurement	***	***	***	***	***	1119.9	CFU/100 ml	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	***	***	***	***	***	9	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
BLSNE201712.xls	Annual Nutrient Summary Form	2018-01-26T12:00:32-05:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
Annual PCB and Stormwater DMR	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
			AREA CODE	NUMBER	2018	1	26
SENSSM		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite 1 & 2

Report Date: 01/24/2018

WW171202-013

Composite 24h 12/02/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/3/2017	10:15	12/8/2017	6:50	4	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	12/3/2017	8:05	12/3/2017	10:25	4	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 119%. Acceptance limits are 85 to 115%.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.

WW171205-014

Composite 24h 12/05/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/6/2017	8:40	12/6/2017	10:46	17	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 85 to 115%.
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WW171208-014

Composite 24h 12/08/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/9/2017	9:35	12/14/2017	9:06	4	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 123%. Acceptance limits are 85 to 115%.
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WW171209-013

Composite 24h 12/09/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/10/2017	8:46	12/10/2017	10:52	4	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW171214-015

Composite 24h 12/14/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/15/2017	8:07	12/15/2017	10:08	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 68%. Acceptance limits are 85 to 115%.
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WW171215-014

Composite 24h 12/15/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/16/2017	9:30	12/21/2017	8:10	3	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	12/16/2017	8:23	12/16/2017	10:34	3	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 74%. Acceptance limits are 85 to 115%.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 68%. Acceptance limits are 85 to 115%.

WW171216-013

Composite 24h 12/16/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/17/2017	11:00	12/22/2017	8:00	7	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.34 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171219-014

Composite 24h 12/19/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/20/2017	8:01	12/20/2017	10:03	2	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW171220-014

Composite 24h 12/20/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/21/2017	7:55	12/21/2017	10:04	4	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 120%. Acceptance limits are 85 to 115%.
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WW171229-013

Composite 24h 12/29/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/30/2017	12:35	1/4/2018	7:50	5	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW171230-013

Composite 24h 12/30/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/31/2017	8:07	12/31/2017	10:11	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 63%. Acceptance limits are 85 to 115%.
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WW171231-013

Composite 24h 12/31/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/1/2018	9:04	1/1/2018	11:06	4	mg/L	2.5	mg/L

Data Qualifiers:


Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 67.5%. Acceptance limits are 85 to 115%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 1/24/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report Date: 01/24/2018

WW171205-001

Grab 12/05/2017 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			12/6/2017	8:24	32.7	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.633. The maximum acceptable PCV is 0.556. The measured results were 2.0 MPN/100mL and 8.6 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW171205-002

Grab 12/05/2017 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			12/6/2017	8:24	15.8	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.633. The maximum acceptable PCV is 0.556. The measured results were 2.0 MPN/100mL and 8.6 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW171211-001

Grab 12/11/2017 09:35

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			12/12/2017	8:16	77.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.560. The maximum acceptable PCV is 0.556. The measured results were 3.0 MPN/100mL and 10.9 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW171211-002

Grab 12/11/2017 09:40

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			12/12/2017	8:16	3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.560. The maximum acceptable PCV is 0.556. The measured results were 3.0 MPN/100mL and 10.9 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW171213-001

Grab 12/13/2017 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			12/13/2017	9:45	0.23	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Quality Control Sample (QCS) recovery is 112%. Acceptance limits are 90 to 110%.
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WW171213-002

Grab 12/13/2017 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			12/13/2017	9:45	0.21	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Quality Control Sample (QCS) recovery is 112%. Acceptance limits are 90 to 110%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 1/24/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NPDES Cyanide Monthly Grab - NE

Report Date: 01/24/2018

WW171206-020

Grab 12/06/2017 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	12/15/2017	16:45	12/18/2017	15:15	<0.010 <sup>E</sup>	mg/L	0.010	mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 74%. Acceptance limits are 90 to 110%.
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WW171206-021

Grab 12/06/2017 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total <sup>B,D</sup>	EPA 335.4	12/15/2017	16:45	12/18/2017	15:16	<0.010 <sup>E</sup>	mg/L	0.010	mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 74%. Acceptance limits are 90 to 110%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 1/24/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE WET Testing Composite

Report Date: 11/21/2017

WW171016-010

Composite 24h 10/16/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	NA			1/1/2000	12:00	NM	mg/L		mg/L
CBOD5	NA			1/1/2000	12:00	NM	mg/L		mg/L
N-Nitrosodimethylamine <sup>B,D</sup>	EPA 625	10/19/2017	8:00	10/20/2017	1:00	<5.1 <sup>E</sup>	µg/L	5.1	µg/L

Data Qualifiers:

CBOD20	Analysis Cancelled due to a Laboratory Accident.
CBOD5	Analysis Cancelled due to a Laboratory Accident.
N-Nitrosodimethylamine	The recovery of the LCSD is 51%, which is outside the acceptance limits of 54-120%. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.

WW171018-010

Composite 24h 10/18/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	10/23/2017	17:18	10/24/2017	18:24	<15 <sup>E</sup>	µg/L	15	µg/L
Hexachloroethane <sup>B,D</sup>	EPA 625	10/23/2017	17:18	10/24/2017	18:24	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
N-Nitrosodimethylamine <sup>B,D</sup>	EPA 625	10/23/2017	17:18	10/24/2017	18:24	<5.0 <sup>E</sup>	µg/L	5.0	µg/L

Data Qualifiers:

Hexachlorocyclopentadiene	The recovery of the LCS is 8% and the LCSD is 5%, which is outside the acceptance limits of 10-120%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 36%. The maximum acceptable RPD is 30%. The measured results were 7.77 and 5.39 µg/L. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.
Hexachloroethane	The recovery of the LCSD is 39%, which is outside the acceptance limits of 40-113%. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.
N-Nitrosodimethylamine	The recovery of the LCS is 53%, which is outside the acceptance limits of 54-120%. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/20/2017	13:10	10/25/2017	8:20	<2.00	mg/L	2	mg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	10/23/2017	17:18	10/24/2017	19:04	<15 <sup>E</sup>	µg/L	15	µg/L
Hexachloroethane <sup>B,D</sup>	EPA 625	10/23/2017	17:18	10/24/2017	19:04	<5.0 <sup>E</sup>	µg/L	5.0	µg/L
N-Nitrosodimethylamine <sup>B,D</sup>	EPA 625	10/23/2017	17:18	10/24/2017	19:04	<5.0 <sup>E</sup>	µg/L	5.0	µg/L

Data Qualifiers:

CBOD5	LFB recovery is 162.00 mg/L. Acceptance Limits are 167.5 to 228.5 mg/L.
Hexachlorocyclopentadiene	The recovery of the LCS is 8% and the LCSD is 5%, which is outside the acceptance limits of 10-120%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 36%. The maximum acceptable RPD is 30%. The measured results were 7.77 and 5.39 µg/L. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.
Hexachloroethane	The recovery of the LCSD is 39%, which is outside the acceptance limits of 40-113%. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.
N-Nitrosodimethylamine	The recovery of the LCS is 53%, which is outside the acceptance limits of 54-120%. Corrective action: The sample was re-extracted within the method hold time and the QC is again outside of the acceptance limits. The result is reported from the initial trial. Similar results were obtained in both trials.

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Benzidine <sup>B,D</sup>	EPA 625	10/25/2017	17:09	11/1/2017	5:41	<60 <sup>E</sup>	µg/L	60	µg/L
beta-BHC <sup>B,D</sup>	EPA 625	10/26/2017	16:30	10/27/2017	20:19	<0.0082 <sup>E</sup>	µg/L	0.0082	µg/L
CBOD20	SM 5210 B	10/23/2017	14:20	11/12/2017	9:45	7.94 <sup>E</sup>	mg/L	2	mg/L
CBOD5	SM 5210 B	10/23/2017	14:20	10/28/2017	8:55	<2.0	mg/L	2	mg/L

Data Qualifiers:

Benzidine	The recovery of the LCSD is 27%, which is outside the acceptance limits of 31-120%. Sufficient sample was not available to repeat the analysis.
beta-BHC	There was a detection in the blank for beta BHC. The blank was 0.0081 instead of <0.0080.
CBOD20	Laboratory Fortified Blank (LFB) recovery is 164.3 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.).

CBOD5


Laboratory Fortified Blank (LFB) recovery is 164.3 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 11/21/2017



Debra A. McCarty, Water Commissioner

February 28, 2018

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for January 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 01/01/2018-01/31/2018

**Report Due Date:** 02/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 89077

**Submission Status:** Received

**Submission Type:** Revision

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for January 2018

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT

## NEWPCP - JANUARY 2018

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)		
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM		LBS	LBS***
S 12/31/2017	152	175	4	98		5,073	171	5	97		6,342		
M 01/01/2018	173	274	4	99		5,775	156	6	96		8,663	15	
T 01/02/2018	140	190	4	98		4,665	150	6	96		6,998		
W 01/03/2018	145	181	5	97		6,057	135	5	96		6,057	16	
Th 01/04/2018	154	252	4	98		5,144	130	4	97		5,144		
F 01/05/2018	148	242	6	98		7,395	138	6	96		7,395		
S 01/06/2018	150	258	5	98		6,260	133	7	95		8,764		
Su 01/07/2018	156	188	6	97		7,816	135	5	96		6,514		
M 01/08/2018	155	258	5	98		6,476	138	5	96		6,476	16	
T 01/09/2018	168	325	6	98		8,425		6			8,425		
W 01/10/2018	158	184	5	97		6,597	125	5	96		6,597	15	
Th 01/11/2018	164	240	5	98		6,847	135	4	97		5,478		
F 01/12/2018	334	297	27	91		52,540	75,311	76	15	86	80	36,430	41,840
S 01/13/2018	185	137	4	97		6,174	96	5	95		7,717		
Su 01/14/2018	167	186	5	97		6,981	104	3	97		4,189		
M 01/15/2018	166	214	6	97		8,308	120	4	97		5,539	16	
T 01/16/2018	166	217	5	98		6,930	126	4	97		5,544		
W 01/17/2018	172	277	5	98		7,192	139	6	96		8,631	16	
Th 01/18/2018	165	445	6	99		8,239	147	5	97		6,866		
F 01/19/2018	155	217	5	98		6,461	135	5	96		6,461		
S 01/20/2018	155	234	6	97		7,770	177	7	96		9,065		
Su 01/21/2018	154	296	6	98		7,693	182	6	97		7,693		
M 01/22/2018	163	309	5	98		6,783	219	8	96		10,852	5	
T 01/23/2018	220	166	16	90		29,350	118	10	92		18,344		
W 01/24/2018	154	105	4	96		5,149	117	5	96		6,436	23	
Th 01/25/2018	150	187	4	98		5,009	142	6	96		7,514	.	
F 01/26/2018	152	212	5	98		6,324	133	6	95		7,589	12	
S 01/27/2018	156	214	5	98		6,496	164	7	96		9,094		
Su 01/28/2018	196	210	9	96		14,748	131	9	93		14,748		
M 01/29/2018	153	304	6	98		7,644	190	8	96		10,191	18	
T 01/30/2018	163	182	4	98		5,440	139	6	96		8,160		
W 01/31/2018	146	267	5	98		6,089	190	7	96		8,525	17	

TOTAL AVERAGE	5,186 167	7,268 234	6	97	9,122	75,311	4,220 141	6	96	8,906	15
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Wk1	152	225	5	98	5,767	145	6	96	7,052
Wk2	189	233	8	97	13,554	118	6	94	11,091
Wk3	164	256	5	98	7,412	135	5	96	6,614
Wk4	164	213	6	97	9,543	154	7	95	9,646

MAX 334

CBOD 20 LBS-- 20,210

NPDES/D LIMITS	MO	<b>&lt;30</b>	<b>&gt;85</b>	<b>&lt;52,540</b>	<b>&lt;25</b>	<b>&gt;86</b>	<b>&lt;36,430</b>
	WK	<b>&lt;45</b>		<b>&lt;78,810</b>	<b>&lt;40</b>		<b>&lt;54,645</b>

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - JANUARY 2018**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
M 01/01/2018	173	7.1	7.1	7.1	0.39	8		
T 01/02/2018	140	7.0	7.0	7.2	0.29	24		
W 01/03/2018	145	7.1	7.1	7.0	0.25	99		
Th 01/04/2018	154	7.1	7.0	6.9	0.28	15		
F 01/05/2018	148	7.1	7.1	7.3	0.30	31		
S 01/06/2018	150	7.0	7.0	7.0	0.29	13		
Su 01/07/2018	156	6.9	7.0	6.8	0.31	30		
M 01/08/2018	155	6.8	6.9	6.8	0.27	229		
T 01/09/2018	168	7.0	7.0	7.0	0.25	58		
W 01/10/2018	158	7.0	7.0	6.8	0.23	170		
Th 01/11/2018	164	7.0	7.0	6.5	0.23	85		
F 01/12/2018	334	7.0	7.0	5.4	0.24	139		
S 01/13/2018	185	6.8	6.8	7.0	0.17	166		
Su 01/14/2018	167	7.1	7.1	8.3	0.32	18		
M 01/15/2018	166	7.1	7.0	8.3	0.26	14		
T 01/16/2018	166	7.1	7.0	7.6	0.24	50		
W 01/17/2018	172	6.9	6.9	7.9	0.24	60		
Th 01/18/2018	165	6.8	6.9	8.2	0.22	101		
F 01/19/2018	155	7.0	7.0	8.0	0.41	95		
S 01/20/2018	155	7.0	7.1	8.0	0.26	15		
Su 01/21/2018	154	6.9	7.0	8.1	0.24	239		
M 01/22/2018	163	7.0	7.0	7.5	0.26	78		
T 01/23/2018	220	6.9	6.9	6.2	0.35	237		
W 01/24/2018	154	6.9	6.9	7.9	0.27	7		
Th 01/25/2018	150	6.9	6.9	6.8	0.25	13		
F 01/26/2018	152	7.1	7.0	5.9	0.22	18		
S 01/27/2018	156	6.9	6.9	5.4	0.26	10		
Su 01/28/2018	196	6.9	6.9	5.3	0.25	29		
M 01/29/2018	153	7.0	6.9	6.7	0.29	42		
T 01/30/2018	163	7.0	7.0	6.9	0.24	46		
W 01/31/2018	146	6.7	6.7	7.2	0.25	92		
TOTAL	5,186	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC MEAN 43
AVERAGE	167	6.7	7.1	5.3	7.0	0.27	0.41	

Wk1 152  
Wk2 189  
Wk3 164  
Wk4 164

**MAX** 334

	EFFLUENT		GEO
NPDES/D	MIN	MAX	MEAN
LIMITS	6.0	9.0	<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - JANUARY 2018  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
01/01/2018	0.33	0.44	0.39	6.9	7.2	7.1	23	3	8
01/02/2018	0.26	0.32	0.29	6.9	7.4	7.2	144	4	24
01/03/2018	0.25	0.24	0.25	6.8	7.2	7.0	172	57	99
01/04/2018	0.28	0.28	0.28	6.6	7.1	6.9	16	15	15
01/05/2018	0.28	0.31	0.30	7.1	7.4	7.3	54	17	31
01/06/2018	0.28	0.30	0.29	7.0	6.9	7.0	17	10	13
01/07/2018	0.33	0.28	0.31	6.6	6.9	6.8	20	46	30
01/08/2018	0.28	0.26	0.27	6.5	7.0	6.8	167	313	229
01/09/2018	0.21	0.29	0.25	6.8	7.2	7.0	108	32	58
01/10/2018	0.23	0.22	0.23	6.4	7.1	6.8	121	238	170
01/11/2018	0.20	0.25	0.23	6.4	6.5	6.5	110	66	85
01/12/2018	0.26	0.21	0.24	5.3	5.5	5.4	110	178	139
01/13/2018	0.17	0.16	0.17	6.7	7.2	7.0	185	148	166
01/14/2018	0.27	0.36	0.32	8.1	8.5	8.3	16	20	18
01/15/2018	0.26	0.25	0.26	8.2	8.4	8.3	10	21	14
01/16/2018	0.24	0.24	0.24	7.5	7.7	7.6	53	47	50
01/17/2018	0.23	0.24	0.24	7.8	7.9	7.9	60	60	60
01/18/2018	0.23	0.21	0.22	8.1	8.2	8.2	155	66	101
01/19/2018	0.21	0.60	0.41	7.9	8.0	8.0	125	73	95
01/20/2018	0.26	0.25	0.26	7.9	8.1	8.0	10	24	15
01/21/2018	0.24	0.23	0.24	7.9	8.2	8.1	272	211	239
01/22/2018	0.26	0.26	0.26	7.4	7.5	7.5	83	73	78
01/23/2018	0.38	0.32	0.35	6.4	6.0	6.2	205	276	237
01/24/2018	0.25	0.28	0.27	7.8	7.9	7.9	14	3	7
01/25/2018	0.29	0.21	0.25	6.5	7.0	6.8	5	30	13
01/26/2018	0.21	0.23	0.22	5.7	6.0	5.9	13	25	18
01/27/2018	0.27	0.24	0.26	5.0	5.7	5.4	9	11	10
01/28/2018	0.25	0.25	0.25	4.9	5.7	5.3	36	23	29
01/29/2018	0.26	0.31	0.29	6.4	6.9	6.7	81	22	42
01/30/2018	0.21	0.26	0.24	6.5	7.2	6.9	82	26	46
01/31/2018	0.23	0.26	0.25	7.0	7.4	7.2	225	38	92
Avg	0.26	0.28	0.27	6.9	7.2	7.0	52	36	43

**PERMIT  
NEWPCP - JANUARY 2018**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
01/01/2018	158	11	93%
01/02/2018			
01/03/2018	133	8	94%
01/04/2018			
01/05/2018			
01/06/2018			
01/07/2018			
01/08/2018	142	8	94%
01/09/2018			
01/10/2018	145	8	94%
01/11/2018			
01/12/2018			
01/13/2018			
01/14/2018			
01/15/2018	131	7	95%
01/16/2018			
01/17/2018	124	5	96%
01/18/2018			
01/19/2018			
01/20/2018			
01/21/2018			
01/22/2018	193	11	94%
01/23/2018			
01/24/2018	143	8	94%
01/25/2018			
01/26/2018			
01/27/2018			
01/28/2018			
01/29/2018	214	10	95%
01/30/2018			
01/31/2018	163	8	95%
AVG	155	8	95%



DESIGN - 210 MGD

<b>NEWPCP - JANUARY 2018</b>						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
01/01/2018	41	100	32	173	173	
01/02/2018	41	66	33	140	198	
01/03/2018	40	73	32	145	174	
01/04/2018	42	73	40	154	196	0.25
01/05/2018	43	73	32	148	213	
01/06/2018	45	73	32	150	222	
01/07/2018	47	79	31	156	191	
01/08/2018	47	78	30	155	190	0.06
01/09/2018	56	78	34	168	241	
01/10/2018	52	73	33	158	187	
01/11/2018	55	74	35	164	225	
01/12/2018	107	166	62	334	487	1.42
01/13/2018	58	90	37	185	241	0.05
01/14/2018	55	80	32	167	207	
01/15/2018	54	79	33	166	204	
01/16/2018	56	77	33	166	229	T
01/17/2018	55	81	36	172	241	0.07
01/18/2018	52	78	34	165	253	
01/19/2018	51	72	32	155	180	
01/20/2018	51	72	32	155	191	
01/21/2018	51	70	32	154	204	
01/22/2018	56	73	34	163	370	T
01/23/2018	69	110	41	220	410	0.46
01/24/2018	47	76	32	154	197	T
01/25/2018	46	72	32	150	211	
01/26/2018	46	71	34	152	195	
01/27/2018	49	74	32	156	212	
01/28/2018	63	94	39	196	329	0.40
01/29/2018	46	76	31	153	204	T
01/30/2018	51	77	35	163	257	0.14
01/31/2018	45	70	31	146	185	
<b>TOTAL</b>	<b>1,618</b>	<b>2,498</b>	<b>1,070</b>	<b>5,186</b>		<b>2.85</b>
<b>AVG</b>	<b>52</b>	<b>81</b>	<b>35</b>	<b>167</b>		
			<b>MIN</b>	<b>140</b>	<b>173</b>	
			<b>MAX</b>	<b>334</b>	<b>487</b>	

\* ADJUSTED FOR RECYCLE.

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JANUARY 2018

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
01/03/2018	0.449	1.170	13.50	13.10	0.350
01/10/2018	0.216	0.592	12.20	12.40	0.414
01/17/2018	0.296	0.650	11.30	11.90	0.166
01/22/2018	0.274	0.373	13.30	13.90	0.229
01/24/2018	0.205	0.263	10.20	9.96	0.390
01/26/2018	0.421	0.681	12.20	10.90	0.151
01/31/2018	0.355	0.464	9.55	11.60	0.211
AVG	0.317	0.599	11.75	11.97	0.273
MAX	0.449	1.170	13.50	13.90	0.414

**Cyanide and Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
01/22/2018	< 0.050
01/24/2018	< 0.050
01/26/2018	< 0.050
AVG	< 0.050

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	01/22/2018	01/24/2018	01/26/2018	AVG
Copper	0.0070	0.0100	0.0070	0.0080
Iron	0.2900	0.7510	0.2170	0.4193
Iron Dissolved	0.0600	0.0550	0.0560	0.0570
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	0.0550	0.0470	0.0450	0.0490

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	01/21/2018	01/22/2018	01/23/2018	01/24/2018	01/25/2018	01/26/2018	AVG
1,2-Dichloroethane	< 0.0005	< 0.0005	< 0.0005	0.0006	< 0.0005	< 0.0005	< 0.0005
3,3-Dichlorobenzidine	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
alpha-BHC	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Benzidine	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Beta-BHC	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Chlordane	< 0.0005000	< 0.0005000	< 0.0005000	< 0.0005000	< 0.0005000	< 0.0005000	< 0.0005000
Chloroform	0.0054	0.0074	0.0005	0.0054	0.0049	0.0064	0.0050
Chlorodibromomethane	< 0.0005	< 0.0005	< 0.0005	< 0.0006	< 0.0005	< 0.0006	< 0.0005
Dieldrin	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Endrin	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Heptachlor	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
p,p'-DDD	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
p,p'-DDE	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
p,p'-DDT	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Lindane(Gamma-BHC)	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Tetrachloroethylene	< 0.0005	< 0.0005	< 0.0005	< 0.0006	< 0.0005	< 0.0006	< 0.0005
Trichloroethylene	< 0.0005	< 0.0005	< 0.0005	< 0.0006	< 0.0005	< 0.0006	< 0.0005

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF JANUARY 2018**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**01/26/2018**

**Toxicity, Ceriodaphnia acute**

**1**

**Toxicity, Ceriodaphnia chronic**

**1**

**Toxicity, Pimphales acute**

**1**

**Toxicity, Pimphales chronic**

**1**

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
JANUARY 2018	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
01/01/2018	0.884	0.911	99	1.230	1.546	159.6
01/02/2018	0.909	0.717	68	1.176	0.970	95.1
01/03/2018	0.900	0.218	24	0.579	0.489	49.7
01/04/2018	0.908	0.886	108	0.860	0.914	92.0
01/05/2018	0.000	0.831	88	0.929	0.930	95.5
01/06/2018	0.896	0.028	2	0.574	0.702	77.5
01/07/2018	0.000	0.904	124	1.144	1.318	123.7
01/08/2018	0.892	0.448	63	1.516	1.262	140.3
01/09/2018	0.932	1.339	182	1.067	1.210	107.7
01/10/2018	1.817	1.122	120	0.866	0.679	74.8
01/11/2018	0.907	1.246	102	0.265	0.415	38.4
01/12/2018	0.920	1.038	106	1.067	1.282	114.9
01/13/2018	0.901	0.603	60	1.899	1.727	162.8
01/14/2018	0.789	0.658	66	1.761	1.839	217.8
01/15/2018	0.000	0.607	62	1.874	1.652	195.1
01/16/2018	0.944	0.501	48	0.772	0.792	96.0
01/17/2018	0.000	0.357	38	0.000	0.000	0.0
01/18/2018	0.926	0.861	98	0.853	0.930	100.6
01/19/2018	0.955	0.232	26	2.580	2.670	290.3
01/20/2018	0.000	0.921	100	1.303	1.285	141.0
01/21/2018	0.949	0.427	47	2.087	2.023	229.6
01/22/2018	0.942	1.003	107	0.584	0.794	87.8
01/23/2018	0.902	1.070	118	0.000	0.000	0.0
01/24/2018	0.931	0.774	73	2.008	1.855	196.4
01/25/2018	0.924	0.736	76	1.722	1.556	178.2
01/26/2018	0.929	0.998	107	1.227	1.414	141.8
01/27/2018	0.894	0.967	97	1.277	1.437	182.3
01/28/2018	0.937	1.228	143	0.779	0.490	47.0
01/29/2018	0.949	0.621	64	1.298	1.462	180.0
01/30/2018	0.930	1.044	120	0.698	0.490	49.3
01/31/2018	0.913	1.333	158	1.365	1.403	152.1
<b>TOTAL</b>	24.677	24.631	2,695	35.358	35.538	3,817
<b>AVERAGE</b>	0.796	0.795	87	1.141	1.146	123



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>
PERMIT NUMBER

<b>001</b>
OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **01/01/2018**  
 DMR Effective To: **01/31/2018**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge? **No**

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2018	01	01	TO	2018	01	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	5.3	7.0	***	mg/L	Grab	1/day
	Permit Measurement	***	***	***	Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.7	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***	***	6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	9122	13554	lbs/day	***	6	8	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg	***	***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	11.75	13.50	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.317	.449	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	.599	1.170	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	11.97	13.90	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.273	.414	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0050	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.050	***	mg/L	Grab	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0080	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.4193	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0570	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total	Sample Measurement	***	***	***	***	.0490	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	167	334	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.27	.41	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	43	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	8906	11091	lbs/day	***	6	7	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	20210	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***	***	***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	96	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
E-NPDES NE-201801.xls	Daily Effluent Monitoring Form	2018-02-27T16:24:22-05:00	
NE WET Testing Composite (02-21-2018).pdf	Laboratory Accreditation Form	2018-02-27T15:29:26-05:00	
NE Daily Grab (02-21-2018).pdf	Laboratory Accreditation Form	2018-02-27T15:28:00-05:00	
NE Influent BOD (02-21-2018).pdf	Laboratory Accreditation Form	2018-02-27T15:30:44-05:00	
NE Daily Composite (02-21-2018).pdf	Laboratory Accreditation Form	2018-02-27T15:27:30-05:00	
BLSNE201801.xls	Nutrient Monitoring Form	2018-02-27T15:24:00-05:00	
201801SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-02-27T15:25:28-05:00	
NECSO 201801.xls	CSO Detailed Outfall Report Form	2018-02-27T15:24:55-05:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
53351	Final Effluent (001)	Phenolics, Total	Sample type not in accordance with permit	

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. A flow in excess of 315 MGD qualified for permit relief on the 12th of the month and was used in compliance reporting. Please note, there is no CBOB influent sample data for 1/9/18 due to frozen sampler issues. There is no indication that the results of this analysis would have any impact on permit compliance. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
			AREA CODE	NUMBER	2018	2	27
SENSSM		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite

Report: NPW20180221-001  
 Report Date: 02/21/2018

WW180102-011

Composite 24h 01/02/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/3/2018	9:25	1/8/2018	8:10	148	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.22, 0.23 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180102-012

Composite 24h 01/02/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/3/2018	9:25	1/8/2018	8:10	151	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.22, 0.23 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180102-013

Composite 24h 01/02/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/3/2018	9:25	1/8/2018	8:10	156	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.22, 0.23 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180102-014

Composite 24h 01/02/2018 06:30



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/3/2018	9:25	1/8/2018	8:10	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.22, 0.23 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180103-025

Composite 24h 01/01/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/2/2018	8:20	1/2/2018	10:30	295	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 62.5%. Acceptance limits are 85 to 115%.								
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WW180103-026

Composite 24h 01/01/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/2/2018	8:20	1/2/2018	10:30	265	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 62.5%. Acceptance limits are 85 to 115%.								
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WW180103-027

Composite 24h 01/01/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/2/2018	8:20	1/2/2018	10:30	240	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 62.5%. Acceptance limits are 85 to 115%.								
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/2/2018	7:58	1/2/2018	10:01	4	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 62.5%. Acceptance limits are 85 to 115%.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/6/2018	12:12	1/11/2018	7:50	131	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.27 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/6/2018	12:12	1/11/2018	7:50	153	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.27 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/6/2018	12:12	1/11/2018	7:50	136	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.27 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180105-018

Composite 24h 01/05/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/6/2018	12:12	1/11/2018	7:50	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.27 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180106-015

Composite 24h 01/06/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/7/2018	11:40	1/12/2018	7:25	129	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.26, 0.30 and 0.34 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180106-016

Composite 24h 01/06/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/7/2018	11:40	1/12/2018	7:25	153	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.26, 0.30 and 0.34 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180106-017

Composite 24h 01/06/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/7/2018	11:40	1/12/2018	7:25	126	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.26, 0.30 and 0.34 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180106-018

Composite 24h 01/06/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/7/2018	11:40	1/12/2018	7:25	7	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.26, 0.30 and 0.34 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180108-010

Composite 24h 01/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/9/2018	12:30	1/14/2017	8:40	131	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.72, 0.71, 0.63, and 0.55 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180108-011

Composite 24h 01/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/9/2018	12:30	1/14/2018	8:40	148	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.72, 0.71, 0.63, and 0.55 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180108-013

Composite 24h 01/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	1/9/2018	12:30	1/14/2018	8:40	8	mg/L	2	mg/L
CBOD20	SM 5210 B	1/9/2018	12:00	1/29/2018	8:05	16	mg/L	2	mg/L
CBOD5	SM 5210 B	1/9/2018	12:30	1/14/2018	8:40	5	mg/L	2	mg/L

Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.72, 0.71, 0.63, 0.55 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.72, 0.71, 0.63, and 0.55 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.72, 0.71, 0.63, and 0.55 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW180109-011

Composite 24h 01/09/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/10/2018	12:35	1/15/2018	8:20	142	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.22, 0.25, 0.28, and 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180109-012

Composite 24h 01/09/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/10/2018	12:35	1/15/2018	8:20	NR	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Sample non reportable due to lab error. Analyst appears to used the wrong amount of sample for dilution factors, resulting in an RDO <1 and CDO <2.
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WW180109-013

Composite 24h 01/09/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/10/2018	12:35	1/15/2018	8:20	NR	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Sample non reportable due to lab error. Analyst appears to have used wrong amount of sample for dilution factors, resulting in a RDO <1 and CDO <2.
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WW180109-014

Composite 24h 01/09/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/11/2016	12:10	1/16/2018	8:15	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.22, 0.25, 0.28, and 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180110-011

Composite 24h 01/10/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/11/2018	12:10	1/16/2018	8:15	117 <sup>E</sup>	mg/L		mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.27, 0.29, 0.33, and 0.36 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180110-012

Composite 24h 01/10/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/11/2018	12:10	1/16/2018	8:15	138	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.27, 0.29, 0.33, and 0.36 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180110-013

Composite 24h 01/10/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/11/2018	12:10	1/16/2018	8:15	130	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.27, 0.29, 0.33, and 0.36 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180110-014

Composite 24h 01/10/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	1/11/2018	12:10	1/16/2017	8:15	8	mg/L	2	mg/L
CBOD20	SM 5210 B	1/11/2018	11:15	1/31/2018	8:15	15	mg/L	2	mg/L
CBOD5	SM 5210 B	1/11/2018	12:10	1/16/2018	8:15	5	mg/L	2	mg/L

## Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.27, 0.29, 0.33, 0.36 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.27, 0.29, 0.33, and 0.36 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.27, 0.29, 0.33, and 0.36 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW180111-012

Composite 24h 01/11/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/12/2018	11:00	1/17/2018	8:27	NR	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Sample non reportable due to lab error.
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WW180114-010

Composite 24h 01/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/15/2018	12:15	1/20/2018	9:03	101	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.24 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180114-011

Composite 24h 01/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/15/2018	12:15	1/20/2018	9:03	128	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.24 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180114-012

Composite 24h 01/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/15/2018	12:15	1/20/2018	9:03	101	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.24 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180114-013

Composite 24h 01/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/15/2018	12:15	1/20/2018	9:03	3	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.24 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180117-011

Composite 24h 01/17/2018 07:35

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/18/2018	12:45	1/23/2018	8:15	130	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	1/18/2018	8:20	1/18/2018	10:19	305	mg/L	2.5	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 84%. Acceptance limits are 85 to 115%. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.28 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 73%. Acceptance limits are 85 to 115%.

WW180117-012

Composite 24h 01/17/2018 06:50

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/18/2018	12:45	1/23/2018	8:15	154	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	1/18/2018	8:20	1/18/2018	10:19	225	mg/L	2.5	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 84%. Acceptance limits are 85 to 115%. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.28 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 73%. Acceptance limits are 85 to 115%.

WW180117-013

Composite 24h 01/17/2018 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/18/2018	12:45	1/23/2018	8:15	NR	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	1/18/2018	8:20	1/18/2018	10:19	295	mg/L	2.5	mg/L

## Data Qualifiers:

CBOD5	Sample non reportable due to lab error. Laboratory Fortified Blank (LFB) recovery is 84%. Acceptance limits are 85 to 115%. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.28 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 73%. Acceptance limits are 85 to 115%.

WW180117-014

Composite 24h 01/17/2018 07:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	1/18/2017	12:45	1/23/2018	8:15	5	mg/L	2	mg/L
CBOD20	SM 5210 B	1/18/2018	8:30	2/7/2018	7:05	16	mg/L	2	mg/L
CBOD5	SM 5210 B	1/18/2018	12:45	1/23/2018	8:15	6	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	1/18/2018	8:22	1/18/2018	10:23	5	mg/L	2.5	mg/L
TKN	SM 4500 Norg D	1/25/2018	11:04	1/30/2018	11:43	11.9	mg/L as N	1	mg/L as N

Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.28 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD20	Laboratory Fortified Blank (LFB) recovery is 84%. Acceptance limits are 85 to 115%.
CBOD5	Laboratory Fortified Blank (LFB) recovery is 84%. Acceptance limits are 85 to 115%. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.28 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 73%. Acceptance limits are 85 to 115%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 80%. Acceptance limits are 90-110%.

WW180118-010

Composite 24h 01/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/19/2018	12:45	1/24/2018	8:15	141	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.28, 0.22, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180118-011

Composite 24h 01/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/19/2018	12:45	1/24/2018	8:15	169	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.28, 0.22, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180118-012

Composite 24h 01/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/19/2018	12:45	1/24/2018	8:15	139	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.28, 0.22, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180118-013

Composite 24h 01/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/19/2018	12:45	1/24/2018	8:15	5	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.28, 0.22, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180120-010

Composite 24h 01/20/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/21/2018	11:55	1/26/2017	9:04	177	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blanks was 0.33 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180120-011

Composite 24h 01/20/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/21/2018	11:55	1/26/2017	9:04	170	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blanks was 0.33 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180120-012

Composite 24h 01/20/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/21/2018	11:55	1/26/2018	9:04	188	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blanks was 0.33 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180120-013

Composite 24h 01/20/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/21/2018	11:55	1/26/2018	9:04	7	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blanks was 0.33 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180125-010

Composite 24h 01/25/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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Solids Suspended Total	SM 2540 D	1/26/2018	7:45	1/26/2018	9:45	160	mg/L	2.5	mg/L
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Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 118%. Acceptance limits are 85 to 115%.
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WW180125-011

Composite 24h 01/25/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/26/2018	7:45	1/26/2018	9:45	240	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 118%. Acceptance limits are 85 to 115%.
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WW180125-012

Composite 24h 01/25/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/26/2018	7:45	1/26/2018	9:45	170	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 118%. Acceptance limits are 85 to 115%.
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WW180125-013

Composite 24h 01/25/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	1/26/2018	7:30	1/26/2018	9:30	4	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 118%. Acceptance limits are 85 to 115%.
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Legend

A - Results reported on a basis other than as received, e.g. dry weight.

B - Tests performed are not covered by BLS's scope of accreditation.

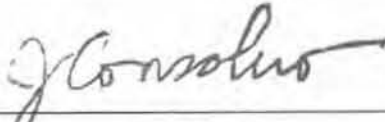
C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 2/21/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report: NPW20180221-002  
 Report Date: 02/21/2018

WW180131-001

Grab 01/31/2018 09:35

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			2/1/2018	8:33	224.7	MPN/100	<1	MPN/100

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.708. The maximum acceptable PCV is 0.556. The measured results were 4.1 MPN/100mL and <1.0 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW180131-002

Grab 01/31/2018 09:40

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			2/1/2018	8:33	37.9	MPN/100	<1	MPN/100

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.708. The maximum acceptable PCV is 0.556. The measured results were 4.1 MPN/100mL and <1.0 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 2/21/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Influent BOD

Report: NPW20180221-003  
 Report Date: 02/21/2018

WW180109-010

Composite 24h 01/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	1/9/2018	12:30	1/14/2018	8:40	142	mg/L	2	mg/L

Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.72, 0.71, 0.63, and 0.55 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180110-010

Composite 24h 01/10/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	1/11/2018	12:10	1/16/2018	8:15	145	mg/L	2	mg/L

Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.27, 0.29, 0.33, and 0.36 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180117-010

Composite 24h 01/17/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	1/18/2018	12:45	1/23/2018	8:15	124	mg/L	2	mg/L

Data Qualifiers:

BOD5	Laboratory Fortified Blank (LFB) recovery is 84%. Acceptance limits are 85 to 115%. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.28 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Legend

A - Results reported on a basis other than as received, e.g. dry weight.

B - Tests performed are not covered by BLS's scope of accreditation.

C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 2/21/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE WET Testing Composite

Report: NPW20180221-004  
 Report Date: 02/21/2018

WW180122-006

Composite 24h 01/22/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,2,4-Trichlorobenzene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
1,2-Dichlorobenzene <sup>B,D</sup>	EPA 624			1/23/2018	18:42	<0.5 <sup>E</sup>	µg/L	0.5	µg/L
1,2-Diphenylhydrazine <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
1,4-Dichlorobenzene <sup>B,D</sup>	EPA 624			1/23/2018	18:42	<0.5 <sup>E</sup>	µg/L	0.5	µg/L
2,4,6-Trichlorophenol <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
2,4-Dichlorophenol <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
2,4-Dimethylphenol <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
2,4-Dinitrophenol <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<3.00 <sup>E</sup>	µg/L	3	µg/L
2,4-Dinitrotoluene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
2,6-Dinitrotoluene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
2-Chloronaphthalene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
2-Chlorophenol <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
2-Nitrophenol <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
3,3'-Dichlorobenzidine <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<10.0 <sup>E</sup>	µg/L	10	µg/L
4,6-Dinitro-o-cresol <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
4-Bromophenyl phenyl ether <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
4-Chlorophenyl phenyl ether <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
4-Nitrophenol <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Acenaphthene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Acenaphthylene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Anthracene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Benzidine <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<5.00 <sup>E</sup>	µg/L	5	µg/L

Benzo(a)anthracene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Benzo(a)pyrene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Benzo(b)fluoranthene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Benzo(ghi)perylene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Benzo(k)fluoranthene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
bis(2-Chloroethoxy)methane <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
bis(2-Chloroethyl) ether <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
bis(2-Chloroisopropyl) ether <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
bis(2-Ethylhexyl) phthalate <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	7.69 <sup>E</sup>	µg/L	3	µg/L
Butyl benzyl phthalate <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
CBOD20	SM 5210 B	1/22/2018	13:30	2/11/2018	9:35	17.2	mg/L	2	mg/L
CBOD5	SM 5210 B	1/22/2018	13:30	1/27/2018	8:00	4.5	mg/L	2	mg/L
Chrysene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Di-n-butyl phthalate <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<3.00 <sup>E</sup>	µg/L	3	µg/L
Di-n-octyl phthalate <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Dibenzo(a,h)anthracene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Diethyl phthalate <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Dimethyl phthalate <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Fluoranthene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Fluorene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Hexachlorobenzene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Hexachlorobutadiene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Hexachlorocyclopentadiene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Hexachloroethane <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<10.0 <sup>E</sup>	µg/L	10	µg/L
Indeno(1,2,3-cd)pyrene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Isophorone <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
N-Nitrosodi-n-propylamine <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
N-Nitrosodimethylamine <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
N-Nitrosodiphenylamine <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L

Naphthalene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Nitrobenzene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
p-Chloro-m-cresol <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Pentachlorophenol <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Phenanthrene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
Phenol <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<5.00 <sup>E</sup>	µg/L	5	µg/L
Pyrene <sup>B,D</sup>	EPA 625	1/23/2018	0:00	1/24/2018	7:35	<1.00 <sup>E</sup>	µg/L	1	µg/L
TKN	SM 4500 Norg D	1/25/2018	11:04	1/30/2018	11:47	13.9	mg/L as N	1	mg/L as N

Data Qualifiers:

1,2,4-Trichlorobenzene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
1,2-Dichlorobenzene	The recovery of the internal standard associated with this analyte was outside of accepted criteria causing a high bias to the analyte result. There is no impact on the data since the result is N.D.
1,2-Diphenylhydrazine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
1,4-Dichlorobenzene	The recovery of the internal standard associated with this analyte was outside of accepted criteria causing a high bias to the analyte result. There is no impact on the data since the result is N.D.
2,4,6-Trichlorophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
2,4-Dichlorophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
2,4-Dimethylphenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
2,4-Dinitrophenol	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard. The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
2,4-Dinitrotoluene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
2,6-Dinitrotoluene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.

2-Chloronaphthalene	The recovery of LCS is 54%, which is outside the acceptance limits of 60-110%. Results may have greater uncertainty. The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
2-Chlorophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
2-Nitrophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
3,3'-Dichlorobenzidine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
4,6-Dinitro-o-cresol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
4-Bromophenyl phenyl ether	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
4-Chlorophenyl phenyl ether	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
4-Nitrophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Acenaphthene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Acenaphthylene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Anthracene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Benzidine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Benzo(a)anthracene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Benzo(a)pyrene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.

Benzo(b)fluoranthene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Benzo(ghi)perylene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Benzo(k)fluoranthene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
bis(2-Chloroethoxy)methane	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
bis(2-Chloroethyl) ether	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
bis(2-Chloroisopropyl) ether	Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the confirmation of the low level standard. The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
bis(2-Ethylhexyl) phthalate	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Butyl benzyl phthalate	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
CBOD20	Laboratory Fortified Blank (LFB) recovery is 152 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD5	Laboratory Fortified Blank (LFB) recovery is 152 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
Chrysene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Di-n-butyl phthalate	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Di-n-octyl phthalate	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Dibenzo(a,h)anthracene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.

Diethyl phthalate	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Dimethyl phthalate	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Fluoranthene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Fluorene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachlorobenzene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachlorobutadiene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachlorocyclopentadiene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachloroethane	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Indeno(1,2,3-cd)pyrene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Isophorone	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
N-Nitrosodi-n-propylamine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
N-Nitrosodimethylamine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
N-Nitrosodiphenylamine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Naphthalene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.

Nitrobenzene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
p-Chloro-m-cresol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Pentachlorophenol	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard. The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Phenanthrene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Phenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Pyrene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 42% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
TKN	Laboratory Fortified Matrix (LFM) recovery is 80%. Acceptance limits are 90-110%.

WW180124-010

Composite 24h 01/24/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
2-Chloronaphthalene <sup>B,D</sup>	EPA 625	1/29/2018	0:00	2/1/2018	12:37	<1.00 <sup>E</sup>	µg/L	1	µg/L
4,4'-DDD <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:03	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:03	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Benzidine <sup>B,D</sup>	EPA 625	1/29/2018	0:00	2/1/2018	12:37	<5.00 <sup>E</sup>	µg/L	5	µg/L
beta-BHC <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:03	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
CBOD20	SM 5210 B	1/24/2018	13:00	2/13/2018	10:10	23.2	mg/L	2	mg/L
CBOD5	SM 5210 B	1/24/2018	13:00	1/29/2018	9:30	7.77	mg/L	2	mg/L
Dieldrin <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:03	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan I <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:03	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan II <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:03	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan sulfate <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:03	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endrin <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:03	<0.02 <sup>E</sup>	µg/L	0.02	µg/L



Endrin aldehyde <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:03	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Heptachlor <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:03	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Heptachlor epoxide <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:03	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
TKN	SM 4500 Norg D	1/25/2018	11:04	1/30/2018	11:50	9.96	mg/L as N	1	mg/L as N

Data Qualifiers:

2-Chloronaphthalene	The recovery of LCS is 52%, which is outside the acceptance limits of 60-118%. Results may have greater uncertainty.
4,4'-DDD	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
4,4'-DDT	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard. Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the confirmation of the low level standard.
Benzidine	The recovery of LCS is 0%, which is outside the acceptance limits of 10-93%. Results may have greater uncertainty.
beta-BHC	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
CBOD20	Laboratory Fortified Blank (LFB) recovery is 154 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD5	Laboratory Fortified Blank (LFB) recovery is 154 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
Dieldrin	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Endosulfan I	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Endosulfan II	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Endosulfan sulfate	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Endrin	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.

Endrin aldehyde	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Heptachlor	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard. The recovery of LCS is 115%, which is above the acceptance limits of 34-111%, however the analyte was not detected in the sample. Data may be fully useable under the 2009 TNI Standard.
Heptachlor epoxide	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
TKN	Laboratory Fortified Matrix (LFM) recovery is 80%. Acceptance limits are 90-110%.

WW180126-010

Composite 24h 01/26/2018 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,1,1-Trichloroethane <sup>B,D</sup>	EPA 624			1/26/2018	21:54	<0.5 <sup>E</sup>	µg/L	0.5	µg/L
2-Chloronaphthalene <sup>B,D</sup>	EPA 625	1/29/2018	0:00	2/1/2018	13:59	<1.00 <sup>E</sup>	µg/L	1	µg/L
4,4'-DDD <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Acrolein <sup>B,D</sup>	EPA 624			1/26/2018	21:54	<1.0 <sup>E</sup>	µg/L	1	µg/L
Benzidine <sup>B,D</sup>	EPA 625	1/29/2018	0:00	2/1/2018	13:59	<5.00 <sup>E</sup>	µg/L	5	µg/L
beta-BHC <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Carbon tetrachloride <sup>B,D</sup>	EPA 624			1/26/2018	21:54	<0.5 <sup>E</sup>	µg/L	0.5	µg/L
CBOD20	SM 5210 B	1/26/2018	13:55	2/15/2018	9:35	12.1	mg/L	2	mg/L
CBOD5	SM 5210 B	1/26/2018	13:55	1/31/2018	11:15	2.02	mg/L	2	mg/L
Dieldrin <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan I <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan II <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan sulfate <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endrin <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Heptachlor <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Heptachlor epoxide <sup>B,D</sup>	EPA 608	1/30/2018	0:00	1/31/2018	19:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L

Toluene <sup>B,D</sup>	EPA 624			1/29/2018	18:16	1.10 <sup>E</sup>	µg/L	0.5	µg/L
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Data Qualifiers:

1,1,1-Trichloroethane	The CCV for this analyte was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
2-Chloronaphthalene	The recovery of LCS is 52%, which is outside the acceptance limits of 60-118%. Results may have greater uncertainty. Laboratory Fortified Matrix (LFM) recovery is 57%. Acceptance limits are 60-118%. Results of this sample may be biased low.
4,4'-DDD	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
4,4'-DDT	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard. Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the confirmation of the low level standard.
Acrolein	The CCV for this analyte was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard. The Laboratory Control Sample for the analysis batch associated with this sample was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Benzidine	The recovery of LCS is 0%, which is outside the acceptance limits of 10-93%. Results may have greater uncertainty. Laboratory Fortified Matrix (LFM) recovery is 0%. Acceptance limits are 10-93%. Results of this sample may be biased low.
beta-BHC	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Carbon tetrachloride	The CCV for this analyte was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
CBOD20	Laboratory Fortified Blank (LFB) recovery is 125 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD5	Laboratory Fortified Blank (LFB) recovery is 125 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
Dieldrin	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Endosulfan I	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Endosulfan II	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.

Endosulfan sulfate	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Endrin	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Endrin aldehyde	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Heptachlor	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard. The recovery of LCS is 115%, which is above the acceptance limits of 34-111%, however the analyte was not detected in the sample. Data may be fully useable under the 2009 TNI Standard.
Heptachlor epoxide	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Toluene	The Duplicate for this sample was not within the established acceptance criteria.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 2/21/2018



Debra A. McCarty, Water Commissioner

March 28, 2018

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for February 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 02/01/2018-02/28/2018

**Report Due Date:** 03/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 92603

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for February 2018

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - FEBRUARY 2018 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)	
			EFF (mg/L)	SS% REM	SS%** REM	LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM		CBOD5** %REM
Th 02/01/2018	167	167	11	93		15,296		145	9	94	12,515	
F 02/02/2018	162	206	7	97		9,459		128	7	95	9,459	
S 02/03/2018	146	252	6	98		7,330		177	8	95	9,774	
Su 02/04/2018	262	183	32	83		69,907		99	18	82	39,322	
M 02/05/2018	163	154	4	97		5,448		131	7	95	9,534	18
T 02/06/2018	156	278	5	98		6,504		170	6	96	7,805	
W 02/07/2018	280	155	30	81		70,176		99	18	82	42,106	36
Th 02/08/2018	163	150	5	97		6,811		132	6	95	8,173	
F 02/09/2018	173	187	8	96		11,563		134	5	96	7,227	
S 02/10/2018	271	195	23	88		51,954		98	16	84	36,142	
Su 02/11/2018	380	127	59	85	54	52,540	(a) 186,978	68	24	86	65 36,430	(a) 76,059
M 02/12/2018	193	121	5	96		8,034		105	5	95	8,034	14
T 02/13/2018	200	199	5	97		8,327		129	4	97	6,662	
W 02/14/2018	201	234	10	96		16,749		146	6	96	10,050	14
Th 02/15/2018	273	207	26	87		59,197		108	12	89	27,322	
F 02/16/2018	232	206	13	94		25,101		112	8	93	15,447	
S 02/17/2018	238	179	17	91		33,783		106	8	92	15,898	
Su 02/18/2018	224	216	14	94		26,115		118	9	92	16,788	
M 02/19/2018	191	177	9	95		14,366		135	7	95	11,173	15
T 02/20/2018	185	165	9	95		13,904		118	8	93	12,359	
W 02/21/2018	181	169	6	96		9,038		133	5	96	7,531	13
Th 02/22/2018	193	193	7	96		11,294		122	5	96	8,067	
F 02/23/2018	194	213	7	97		11,301		128	3	98	4,843	
S 02/24/2018	223	201	8	96		14,863		126	3	98	5,573	
Su 02/25/2018	279	135	15	89		34,912		111	6	95	13,965	
M 02/26/2018	199	228	5	98		8,312		93	8	91	13,299	11
T 02/27/2018	188	249	4	98		6,280		155	4	97	6,280	
W 02/28/2018	181	196	5	97		7,552		140	3	98	4,531	12
Th 03/01/2018	280	196	5	97		11,672		129	4	97	9,337	
F 03/02/2018	341	172	21	88		52,540	59,749	104	12	88	34,142	
S 03/03/2018	276	130	35	73		80,585		61	15	75	34,536	

TOTAL AVERAGE	5,899	5,342						3,466				
	211	191	13	94		22,004		124	8	93	14,511	17

Wk1	210	186	15	91		31,766		123	11	90	21,473	
Wk2	245	182	19	92		29,105	(a)	111	10	93	17,120	(a)
Wk3	199	191	9	96		14,411		126	6	95	9,477	
Wk4	249	187	13	92		28,836		113	7	92	16,584	

MAX	380
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CBOD 20 LBS--	29,326
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NPDES/D LIMITS	MO	<30	>85	<52,540	<25	>86	<36,430
	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - FEBRUARY 2018**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
Th 02/01/2018	167	7.0	6.9	7.2	0.21	156		
F 02/02/2018	162	6.9	6.9	6.7	0.29	406		
S 02/03/2018	146	6.8	6.9	6.9	0.15	181		
Su 02/04/2018	262	6.8	6.9	7.0	0.29	142		
M 02/05/2018	163	6.8	6.8	7.4	0.25	61		
T 02/06/2018	156	6.8	6.8	7.1	0.28	237		
W 02/07/2018	280	7.0	7.0	6.9	0.22	409		
Th 02/08/2018	163	6.9	6.9	7.6	0.22	1,225		
F 02/09/2018	173	6.8	6.9	5.9	0.21	502		
S 02/10/2018	271	7.0	7.0	5.7	0.26	48		
Su 02/11/2018	380	6.9	6.7	5.0	0.21	> 2,420		
M 02/12/2018	193	6.9	6.9	5.9	0.31	39		
T 02/13/2018	200	7.0	7.0	7.3	0.40	8		
W 02/14/2018	201	7.0	7.0	6.6	0.37	3		
Th 02/15/2018	273	6.9	6.9	6.4	0.42	7		
F 02/16/2018	232	6.7	6.8	5.3	0.42	24		
S 02/17/2018	238	7.0	7.0	7.3	0.58	7		
Su 02/18/2018	224	6.9	6.9	7.2	0.54	5		
M 02/19/2018	191	7.0	7.0	6.8	0.50	4		
T 02/20/2018	185	7.0	7.0	6.9	0.47	6		
W 02/21/2018	181	7.0	6.9	6.5	0.56	2		
Th 02/22/2018	193	7.0	7.0	6.8	0.39	4		
F 02/23/2018	194	7.1	7.1	6.7	0.43	1		
S 02/24/2018	223	7.0	7.0	5.4	0.42	1		
Su 02/25/2018	279	6.8	6.7	4.6	0.57	11		
M 02/26/2018	199	6.9	6.9	4.8	0.44	5		
T 02/27/2018	188	7.0	6.9	5.7	0.39	6		
W 02/28/2018	181	7.0	7.0	6.8	0.40	4		
TOTAL	6,796	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	219	6.7	7.1	4.6	6.4	0.36	0.58	MEAN
								25

Wk1 210  
Wk2 245  
Wk3 199  
Wk4 249

**MAX** 380

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.



**PERMIT  
NEWPCP - FEBRUARY 2018  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
02/01/2018	0.20	0.21	0.21	7.0	7.4	7.2	205	119	156
02/02/2018	0.24	0.34	0.29	6.5	6.9	6.7	770	214	406
02/03/2018	0.17	0.13	0.15	6.6	7.2	6.9	131	248	181
02/04/2018	0.29	0.28	0.29	6.8	7.1	7.0	152	133	142
02/05/2018	0.20	0.30	0.25	7.1	7.6	7.4	53	70	61
02/06/2018	0.32	0.23	0.28	6.9	7.2	7.1	69	816	237
02/07/2018	0.21	0.22	0.22	6.7	7.0	6.9	816	205	409
02/08/2018	0.23	0.21	0.22	7.4	7.8	7.6	866	1,733	1,225
02/09/2018	0.20	0.21	0.21	5.8	6.0	5.9	579	435	502
02/10/2018	0.25	0.26	0.26	5.4	6.0	5.7	52	44	48
02/11/2018	0.21	0.20	0.21	5.0	5.0	5.0	> 2,420	> 2,420	> 2,420
02/12/2018	0.34	0.28	0.31	5.7	6.1	5.9	35	45	39
02/13/2018	0.42	0.37	0.40	7.1	7.4	7.3	11	6	8
02/14/2018	0.38	0.36	0.37	6.3	6.9	6.6	5	2	3
02/15/2018	0.44	0.39	0.42	6.4	6.4	6.4	8	5	7
02/16/2018	0.47	0.37	0.42	5.2	5.3	5.3	21	26	24
02/17/2018	0.54	0.61	0.58	7.1	7.5	7.3	9	5	7
02/18/2018	0.49	0.59	0.54	7.0	7.4	7.2	7	3	5
02/19/2018	0.53	0.47	0.50	6.7	6.9	6.8	3	5	4
02/20/2018	0.44	0.49	0.47	6.7	7.1	6.9	6	6	6
02/21/2018	0.47	0.65	0.56	6.4	6.6	6.5	3	1	2
02/22/2018	0.43	0.35	0.39	6.8	6.7	6.8	3	5	4
02/23/2018	0.46	0.39	0.43	6.5	6.9	6.7	< 1	1	1
02/24/2018	0.43	0.40	0.42	5.2	5.6	5.4	1	1	1
02/25/2018	0.54	0.59	0.57	4.8	4.4	4.6	17	8	11
02/26/2018	0.44	0.43	0.44	4.7	4.8	4.8	4	5	5
02/27/2018	0.42	0.36	0.39	5.6	5.8	5.7	5	8	6
02/28/2018	0.40	0.40	0.40	6.5	7.0	6.8	2	9	4
Avg	0.36	0.36	0.36	6.3	6.6	6.4	25	24	25

**PERMIT  
NEWPCP - FEBRUARY 2018**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
02/01/2018			
02/02/2018			
02/03/2018			
02/04/2018			
02/05/2018	135	9	93%
02/06/2018			
02/07/2018	101	26	74%
02/08/2018			
02/09/2018			
02/10/2018			
02/11/2018			
02/12/2018	119	6	95%
02/13/2018			
02/14/2018	138	8	94%
02/15/2018			
02/16/2018			
02/17/2018			
02/18/2018			
02/19/2018	135	8	94%
02/20/2018			
02/21/2018	134	7	95%
02/22/2018			
02/23/2018			
02/24/2018			
02/25/2018			
02/26/2018	149	8	95%
02/27/2018			
02/28/2018	145	6	96%
AVG	132	10	92%

DESIGN - 210 MGD

NEWPCP - FEBRUARY 2018						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
02/01/2018	60	70	36	167	323	0.03
02/02/2018	45	87	30	162	202	0.17
02/03/2018	45	72	30	146	182	
02/04/2018	84	129	49	262	466	0.86
02/05/2018	48	86	29	163	213	
02/06/2018	46	78	32	156	199	T
02/07/2018	86	142	53	280	479	0.82
02/08/2018	49	82	32	163	193	
02/09/2018	48	95	30	173	214	
02/10/2018	91	131	49	271	411	0.41
02/11/2018	102	217	61	380	524	1.68
02/12/2018	57	101	35	193	252	T
02/13/2018	53	110	37	200	254	
02/14/2018	63	99	39	201	343	0.05
02/15/2018	81	144	49	273	445	0.25
02/16/2018	67	126	38	232	370	0.33
02/17/2018	73	123	42	238	342	0.40
02/18/2018	65	118	41	224	311	
02/19/2018	55	102	34	191	230	T
02/20/2018	54	98	34	185	216	T
02/21/2018	53	96	31	181	219	0.01
02/22/2018	58	100	35	193	350	0.06
02/23/2018	57	100	36	194	337	0.23
02/24/2018	69	110	43	223	423	0.06
02/25/2018	79	153	47	279	460	0.66
02/26/2018	53	110	37	199	272	
02/27/2018	52	103	34	188	256	
02/28/2018	51	97	33	181	214	
TOTAL	1,743	3,080	1,075	5,899		6.02
AVG	62	110	38	211		
			MIN	146	182	
			MAX	380	524	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>
PERMIT NUMBER

<b>001</b>
OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **02/01/2018**  
 DMR Effective To: **02/28/2018**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge? **No**

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	<b>2018</b>	<b>02</b>	<b>01</b>	TO	<b>2018</b>	<b>02</b>	<b>28</b>

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	4.6	6.4	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.7	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	22004	31766	lbs/day	***	13	19	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	9.60	10.50	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.274	.335	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	.501	.544	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	11.03	12.50	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.189	.216	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0038	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.050	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0070	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.1730	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0480	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total	Sample Measurement	***	***	***	***	.0390	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	211	380	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.36	.58	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	25	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	14511	21473	lbs/day	***	8	11	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	29326	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***	***	***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	93	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	94	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
NE Influent BOD (03-26-2018).pdf	Laboratory Accreditation Form	2018-03-27T09:18:52-04:00	
E-NPDES NE-201802.xls	Daily Effluent Monitoring Form	2018-03-27T09:13:59-04:00	
NE Outfall Monthly Grab (03-26-2018).pdf	Laboratory Accreditation Form	2018-03-27T09:23:07-04:00	
NE Daily Composite (03-26-2018).pdf	Laboratory Accreditation Form	2018-03-27T09:16:41-04:00	
BLSNE201802.xls	Nutrient Monitoring Form	2018-03-27T09:14:30-04:00	
NE Daily Composite 2 (03-26-2018).pdf	Laboratory Accreditation Form	2018-03-27T09:17:13-04:00	
NECSO 201802.xls	CSO Detailed Outfall Report Form	2018-03-27T09:15:07-04:00	
201802SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-03-27T09:15:40-04:00	
NE Daily Grab (03-26-2018).pdf	Laboratory Accreditation Form	2018-03-27T09:17:57-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. A flow in excess of 315 MGD qualified for permit relief on the 11th of the month and was used in compliance reporting. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2018	3	27
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
 Northeast Water Pollution Control Plant  
**NPDES SUMMARY FOR THE MONTH OF FEBRUARY 2018**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
02/07/2018	0.335	0.494	8.68	12.50	0.216
02/14/2018	0.314	0.544	10.50	10.50	0.177
02/21/2018	0.211	0.448	9.79	11.10	0.194
02/28/2018	0.235	0.516	9.43	10.00	0.169
<b>AVG</b>	0.274	0.501	9.60	11.03	0.189
<b>MAX</b>	0.335	0.544	10.50	12.50	0.216

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
02/08/2018	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	
02/07/2018	
Copper	0.0070
Iron	0.1730
Iron Dissolved	0.0480
Lead	< 0.0030
Zinc	0.0390

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	
02/05/2018	
1,2-Dichloroethane	< 0.0005
Chloroform	0.0038
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
FEBRUARY 2018	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
02/01/2018	0.928	0.403	47	1.434	1.787	231.9
02/02/2018	0.895	0.515	52	1.389	1.053	116.7
02/03/2018	0.900	0.816	87	1.478	1.320	152.6
02/04/2018	0.000	0.037	3	1.592	1.936	239.6
02/05/2018	0.937	0.932	105	1.654	1.587	233.1
02/06/2018	0.000	0.367	40	1.347	1.420	180.6
02/07/2018	0.894	1.221	147	1.927	1.835	197.0
02/08/2018	0.936	0.531	67	1.651	1.687	244.3
02/09/2018	0.908	1.241	152	0.704	0.513	58.0
02/10/2018	0.909	1.169	122	1.172	1.391	135.4
02/11/2018	0.909	0.468	41	1.975	2.038	226.7
02/12/2018	0.831	0.642	64	0.751	0.661	60.6
02/13/2018	0.000	0.559	50	0.292	0.586	63.7
02/14/2018	0.917	0.084	6	1.635	1.449	177.3
02/15/2018	0.000	0.835	77	1.540	1.364	159.9
02/16/2018	0.920	0.092	9	1.261	1.282	131.1
02/17/2018	0.000	0.829	81	0.997	1.036	114.9
02/18/2018	0.849	0.433	43	1.201	1.135	151.5
02/19/2018	0.923	0.976	126	0.721	0.953	108.7
02/20/2018	0.882	0.960	118	1.344	1.234	162.0
02/21/2018	0.905	1.096	107	1.612	1.389	155.5
02/22/2018	0.880	0.160	18	1.446	1.513	169.9
02/23/2018	0.882	1.421	174	1.196	1.202	128.2
02/24/2018	0.870	0.678	88	1.253	1.339	136.3
02/25/2018	0.000	0.434	49	2.430	2.508	249.0
02/26/2018	0.886	0.090	8	1.081	0.984	114.9
02/27/2018	0.906	1.283	152	1.450	1.360	124.9
02/28/2018	0.000	0.196	19	0.213	0.167	15.8
<b>TOTAL</b>	18.868	18.470	2,053	36.745	36.729	4,240
<b>AVERAGE</b>	0.674	0.660	73	1.312	1.312	151



Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20180322-001  
 Report Date: 03/22/2018

NE Daily Composite

WW180202-010

Composite 24h 02/02/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/3/2018	11:15	2/8/2018	8:05	122	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.34 and 0.29 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180202-011

Composite 24h 02/02/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/3/2018	11:15	2/6/2018	8:05	140	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.34 and 0.29 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180202-012

Composite 24h 02/02/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/3/2018	11:15	2/8/2018	8:05	127	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.34 and 0.29 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180202-013

Composite 24h 02/02/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/3/2018	11:15	2/8/2018	8:05	7	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.34 and 0.29 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180203-010

Composite 24h 02/03/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/4/2018	9:15	2/9/2018	6:55	159	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.27 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180203-011

Composite 24h 02/03/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/4/2018	9:15	2/9/2018	6:55	191	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.27 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180203-012

Composite 24h 02/03/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/4/2018	9:15	2/9/2018	6:55	195	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.27 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180203-013

Composite 24h 02/03/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/4/2018	9:15	2/9/2018	6:55	8	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.27 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180204-010

Composite 24h 02/04/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/5/2018	12:00	2/10/2018	7:25	94	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	2/5/2018	8:23	2/5/2018	10:23	180	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 80%. Acceptance limits are 85 to 115%.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.

WW180204-011

Composite 24h 02/04/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/5/2018	12:00	2/10/2018	7:25	106	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	2/5/2018	8:23	2/5/2018	10:23	210	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 80%. Acceptance limits are 85 to 115%.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.

WW180204-012

Composite 24h 02/04/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/5/2018	12:00	2/10/2018	7:25	103	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	2/5/2018	8:23	2/5/2018	10:23	150	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 80%. Acceptance limits are 85 to 115%.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.

WW180204-013

Composite 24h 02/04/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/5/2018	12:00	2/10/2018	7:25	18	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	2/5/2018	8:20	2/5/2018	10:20	32	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 80%. Acceptance limits are 85 to 115%.
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Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW180207-012

Composite 24h 02/07/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/8/2018	9:45	2/13/2018	8:10	94	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.31, 0.28, and 0.52 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180207-013

Composite 24h 02/07/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/8/2018	9:45	2/13/2018	8:10	102	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.31, 0.28, and 0.52 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180207-014

Composite 24h 02/07/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/8/2018	9:45	2/13/2018	8:10	108	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.31, 0.28, and 0.52 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180211-010

Composite 24h 02/11/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/12/2018	8:55	2/17/2018	7:55	64	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 166%. Acceptance limits are 85 to 115%.
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WW180211-011

Composite 24h 02/11/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/12/2018	8:55	2/17/2018	7:55	76	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 166%. Acceptance limits are 85 to 115%.
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WW180211-012

Composite 24h 02/11/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/12/2018	8:55	2/17/2018	7:55	71	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 166%. Acceptance limits are 85 to 115%.
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WW180211-013

Composite 24h 02/11/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/12/2018	8:55	2/17/2018	7:55	24	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 166%. Acceptance limits are 85 to 115%.
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WW180214-011

Composite 24h 02/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/15/2018	10:30	2/20/2018	6:45	146	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.
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WW180214-012

Composite 24h 02/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/15/2018	10:30	2/20/2018	6:45	158	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.
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WW180214-013

Composite 24h 02/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/15/2018	10:30	2/20/2018	6:45	133	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.
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WW180218-010

Composite 24h 02/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/19/2018	12:10	2/24/2018	8:00	111	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180218-011

Composite 24h 02/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/19/2018	12:10	2/24/2018	8:00	132	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180218-012

Composite 24h 02/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/19/2018	12:10	2/24/2018	8:00	115	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180218-013

Composite 24h 02/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/19/2018	12:10	2/24/2018	8:00	9	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180222-010

Composite 24h 02/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/23/2018	12:00	2/28/2018	6:40	117	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180222-011

Composite 24h 02/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/23/2018	12:00	2/28/2018	6:40	129	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180222-012

Composite 24h 02/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/23/2018	12:00	2/28/2018	6:40	134	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180222-013

Composite 24h 02/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/23/2018	12:00	2/28/2018	6:40	5	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180225-010

Composite 24h 02/25/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/26/2018	8:40	3/3/2018	8:15	94	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.25, 0.21, and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180225-011

Composite 24h 02/25/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/26/2018	8:40	3/3/2018	8:15	97	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.25, 0.21, and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180225-012

Composite 24h 02/25/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/26/2018	8:40	3/3/2018	8:15	88	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.25, 0.21, and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180225-013

Composite 24h 02/25/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/26/2018	8:40	3/3/2018	8:15	8	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.25, 0.21, and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180227-010

Composite 24h 02/27/2018 06:30



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/28/2018	8:30	3/5/2018	7:30	135	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 64%. Acceptance limits are 85 to 115%.
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WW180227-011

Composite 24h 02/27/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/28/2018	8:30	3/5/2018	7:30	149	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 64%. Acceptance limits are 85 to 115%.
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WW180227-012

Composite 24h 02/27/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/28/2018	8:30	3/5/2018	7:30	138	mg/L	2	mg/L

Data Qualifiers:

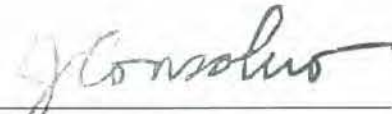
CBOD5	Laboratory Fortified Blank (LFB) recovery is 64%. Acceptance limits are 85 to 115%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 3/22/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite 2

Report: NPW20180322-002  
 Report Date: 03/22/2018

WW180207-015

Composite 24h 02/07/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/8/2018	9:45	2/13/2018	8:10	18	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.31, 0.28, and 0.52 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180214-014

Composite 24h 02/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	SM 5210 B	2/15/2018	10:30	3/7/2018	7:00	15	mg/L	2	mg/L
CBOD5	SM 5210 B	2/15/2018	10:30	2/20/2018	6:45	6	mg/L	2	mg/L

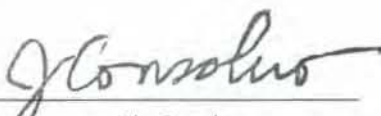
Data Qualifiers:

CBOD20	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.
CBOD5	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
 Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 3/22/2018

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

NE Daily Grab

Report: NPW20180322-003  
Report Date: 03/22/2018

WW180219-001

Grab 02/19/2018 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			2/20/2018	8:28	3.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.556. The measured results were 3.1 MPN/100mL and <1.0 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW180219-002

Grab 02/19/2018 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			2/20/2018	8:28	5.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

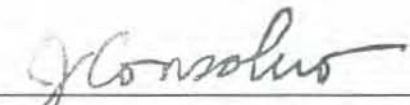
Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.556. The measured results were 3.1 MPN/100mL and <1.0 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
---	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 3/22/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Influent BOD

Report: NPW20180322-004  
 Report Date: 03/22/2018

WW180207-011

Composite 24h 02/07/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	2/8/2018	9:45	2/13/2018	8:10	101	mg/L	2	mg/L

Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.31, 0.28, and 0.52 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
------	--

WW180214-010

Composite 24h 02/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	2/15/2018	10:30	2/20/2018	6:45	138	mg/L	2	mg/L


Data Qualifiers:

BOD5	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%.
------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
 Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 3/22/2018

Philadelphia Water Department  
Bureau of Laboratory Services  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

Report prepared for:  
PADEP  
2 East Main Street  
Norristown, PA 19401

NE Outfall Monthly Grab

Report: NPW20180322-005  
Report Date: 03/22/2018

WW180205-011

Grab 02/05/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Dibromochloromethane <sup>B,D</sup>	EPA 624			2/6/2018	18:49	<0.5 <sup>E</sup>	µg/L	0.5	µg/L

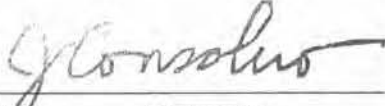
Data Qualifiers:

Dibromochloromethane	The Matrix Spike associated with this sample is above established acceptance criteria, indicating potential matrix interference. Results of this sample may be biased high.
----------------------	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name: John Consolvo  
Title: Laboratory Manager  
Date: 3/22/2018



Debra A. McCarty, Water Commissioner

April 27, 2018

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for March 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name: PHILA WATER DEPT - NORTHEAST WPC PLANT**  
**Permit Number: PA0026689**  
**Report Frequency: Monthly**  
**Report Type: DMR**  
**Reporting Period: 03/01/2018-03/31/2018**  
**Report Due Date: 04/28/2018**

**Submitted By: Mary Ellen Senss**  
**Submission Id: 96613**  
**Submission Status: Received**  
**Submission Type: Revision**

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for March 2018

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - MARCH 2018 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)	
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM		LBS
Th 03/01/2018	181	196	5	97		7,552		129	4	97	6,042	
F 03/02/2018	280	174	21	88		49,022		105	12	89	28,012	
S 03/03/2018	341	131	35	85	73	52,540 (a)	99,582	61	15	86	36,430	42,678
Su 03/04/2018	274	177	15	92		34,236		110	10	91	22,824	
M 03/05/2018	230	107	8	93		15,357		108	7	94	13,437	13
T 03/06/2018	219	226	10	96		18,285		128	6	95	10,971	
W 03/07/2018	262	160	8	95		17,499		102	7	93	15,312	
Th 03/08/2018	330	121	26	85	79	52,540	71,657	65	11	86	30,316	23
F 03/09/2018	317	124	21	85	83	52,540	55,582	78	10	87	26,468	
S 03/10/2018	282	134	13	90		30,546		80	6	93	14,098	
Su 03/11/2018	244	141	14	90		28,457		77	8	90	16,261	
M 03/12/2018	248	138	11	92		22,719		104	7	93	14,458	15
T 03/13/2018	239	124	9	93		17,959		96	5	95	9,977	
W 03/14/2018	247	142	12	92		24,738		114	7	94	14,430	16
Th 03/15/2018	216	151	11	93		19,851		102	6	94	10,828	
F 03/16/2018	211	151	7	95		12,295		108	6	94	10,538	
S 03/17/2018	197	203	9	96		14,793		134	8	94	13,149	
Su 03/18/2018	195	190	9	95		14,664		123	8	93	13,035	
M 03/19/2018	196	160	9	94		14,716		135	9	93	14,716	16
T 03/20/2018	188	164	8	95		12,511		121	6	95	9,384	
W 03/21/2018	219	221	11	95		20,119		119	8	93	14,632	
Th 03/22/2018	233	160	14	91		27,209		101	8	92	15,548	16
F 03/23/2018	285	154	19	88		45,179		87	11	87	26,156	
S 03/24/2018	243	416	11	97		22,249		65	5	92	10,113	
Su 03/25/2018	205	161	9	94		15,415		107	6	94	10,277	
M 03/26/2018	219	244	10	96		18,263		139	6	96	10,958	14
T 03/27/2018	209	157	10	94		17,459		115	9	92	15,713	
W 03/28/2018	192	180	7	96		11,191		115	4	97	6,395	12
Th 03/29/2018	195	189	8	96		12,990		119	6	95	9,743	
F 03/30/2018	195	203	11	95		17,916		113	7	94	11,401	
S 03/31/2018	204	176	12	93		20,368		116	10	91	16,974	

TOTAL AVERAGE	7,297 235	5,375 173	12	93	78	23,909	75,607	3,276 106	8	93	15,439	16
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Wk1	274	150	14	91	31,572 (a)	96	8	91	19,061
Wk2	229	150	10	93	20,116	105	7	93	12,806
Wk3	223	209	12	94	22,378	107	8	92	14,798
Wk4	203	187	10	95	16,229	118	7	94	11,637

MAX	341
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CBOD 20 LBS--	0
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NPDES/D LIMITS	MO	<b>&lt;30</b>	<b>&gt;85</b>	<b>&lt;52,540</b>		<b>&lt;25</b>	<b>&gt;86</b>	<b>&lt;36,430</b>
	WK	<b>&lt;45</b>		<b>&lt;78,810</b>		<b>&lt;40</b>		<b>&lt;54,645</b>

CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.



**PERMIT**  
**NEWPCP - MARCH 2018**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
Th 03/01/2018	181	6.9	6.9	6.5	0.39	6		
F 03/02/2018	280	7.0	7.0	6.4	0.46	67		
S 03/03/2018	341	6.7	6.7	6.4	0.37	10		
Su 03/04/2018	274	6.8	6.8	7.0	0.44	4		
M 03/05/2018	230	6.8	6.8	6.7	0.39	7		
T 03/06/2018	219	6.9	6.9	6.1	0.36	4		
W 03/07/2018	262	6.8	6.8	5.9	0.49	30		
Th 03/08/2018	330	6.7	6.8	6.3	0.36	6		
F 03/09/2018	317	6.7	6.8	5.7	0.35	28		
S 03/10/2018	282	6.6	6.7	5.2	0.36	2		
Su 03/11/2018	244	6.9	6.9	5.2	0.48	6		
M 03/12/2018	248	6.7	6.7	5.4	0.42	1		
T 03/13/2018	239	6.8	6.8	5.7	0.34	14		
W 03/14/2018	247	6.9	6.9	6.1	0.28	30		
Th 03/15/2018	216	6.9	6.9	6.2	0.33	7		
F 03/16/2018	211	6.9	6.9	6.1	0.30	4		
S 03/17/2018	197	6.9	6.9	6.2	0.30	2		
Su 03/18/2018	195	7.0	7.0	6.5	0.25	9		
M 03/19/2018	196	7.0	7.0	6.1	0.27	2		
T 03/20/2018	188	7.0	7.0	6.3	0.32	2		
W 03/21/2018	219	6.8	6.8	6.3	0.36	2		
Th 03/22/2018	233	7.0	7.0	6.0	0.30	21		
F 03/23/2018	285	6.6	6.7	5.8	0.25	8		
S 03/24/2018	243	6.8	6.8	6.0	0.28	5		
Su 03/25/2018	205	6.9	6.8	5.5	0.19	5		
M 03/26/2018	219	6.9	6.8	5.2	0.29	2		
T 03/27/2018	209	6.9	6.9	5.6	0.17	7		
W 03/28/2018	192	6.9	6.9	6.0	0.26	2		
Th 03/29/2018	195	6.8	6.8	6.3	0.32	4		
F 03/30/2018	195	6.9	6.9	6.6	0.20	4		
S 03/31/2018	204	6.9	6.9	7.0	0.20	13		
TOTAL	7,297	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	235	6.6	7.0	5.2	6.1	0.32	0.49	MEAN
								6

Wk1 274  
Wk2 229  
Wk3 223  
Wk4 203

**MAX** 341

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - MARCH 2018  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
03/01/2018	0.37	0.40	0.39	6.4	6.6	6.5	9	4	6
03/02/2018	0.43	0.48	0.46	6.3	6.5	6.4	167	27	67
03/03/2018	0.35	0.39	0.37	6.2	6.5	6.4	20	5	10
03/04/2018	0.44	0.43	0.44	6.9	7.1	7.0	2	9	4
03/05/2018	0.37	0.41	0.39	6.3	7.0	6.7	11	4	7
03/06/2018	0.33	0.39	0.36	5.8	6.3	6.1	10	2	4
03/07/2018	0.43	0.54	0.49	5.8	5.9	5.9	167	5	30
03/08/2018	0.38	0.33	0.36	6.4	6.2	6.3	8	4	6
03/09/2018	0.39	0.31	0.35	5.5	5.9	5.7	10	84	28
03/10/2018	0.41	0.31	0.36	5.0	5.3	5.2	3	2	2
03/11/2018	0.53	0.42	0.48	5.0	5.4	5.2	7	4	6
03/12/2018	0.50	0.34	0.42	5.5	5.3	5.4	2	1	1
03/13/2018	0.34	0.33	0.34	5.6	5.7	5.7	26	8	14
03/14/2018	0.27	0.28	0.28	5.9	6.2	6.1	45	20	30
03/15/2018	0.27	0.38	0.33	6.0	6.3	6.2	28	2	7
03/16/2018	0.28	0.32	0.30	6.0	6.2	6.1	3	5	4
03/17/2018	0.28	0.32	0.30	6.1	6.3	6.2	3	2	2
03/18/2018	0.26	0.24	0.25	6.4	6.6	6.5	9	9	9
03/19/2018	0.31	0.23	0.27	5.9	6.3	6.1	1	3	2
03/20/2018	0.30	0.33	0.32	6.1	6.4	6.3	2	3	2
03/21/2018	0.34	0.38	0.36	6.1	6.4	6.3	2	2	2
03/22/2018	0.34	0.25	0.30	5.8	6.2	6.0	14	34	21
03/23/2018	0.28	0.22	0.25	5.5	6.1	5.8	7	10	8
03/24/2018	0.23	0.32	0.28	5.8	6.2	6.0	8	3	5
03/25/2018	0.22	0.16	0.19	5.3	5.6	5.5	5	5	5
03/26/2018	0.30	0.27	0.29	5.0	5.4	5.2	4	1	2
03/27/2018	0.13	0.21	0.17	5.3	5.8	5.6	8	6	7
03/28/2018	0.32	0.19	0.26	5.7	6.3	6.0	2	3	2
03/29/2018	0.41	0.23	0.32	6.2	6.3	6.3	4	3	4
03/30/2018	0.19	0.21	0.20	6.5	6.7	6.6	7	2	4
03/31/2018	0.21	0.19	0.20	7.0	6.9	7.0	10	17	13
Avg	0.33	0.32	0.32	5.9	6.2	6.1	8	5	6

**PERMIT  
NEWPCP - MARCH 2018**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
03/01/2018			
03/02/2018			
03/03/2018			
03/04/2018			
03/05/2018			
03/06/2018	129	9	93%
03/07/2018			
03/08/2018	64	20	69%
03/09/2018			
03/10/2018			
03/11/2018			
03/12/2018	99	9	91%
03/13/2018			
03/14/2018	114	14	88%
03/15/2018			
03/16/2018			
03/17/2018			
03/18/2018			
03/19/2018	126	17	87%
03/20/2018			
03/21/2018			
03/22/2018	127	18	86%
03/23/2018			
03/24/2018			
03/25/2018			
03/26/2018	148	16	89%
03/27/2018			
03/28/2018	136	13	90%
03/29/2018			
03/30/2018			
03/31/2018			
AVG	118	15	87%

DESIGN - 210 MGD

<b>NEWPCP - MARCH 2018</b>						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
03/01/2018	51	97	33	181	214	0.56
03/02/2018	80	143	57	280	469	0.86
03/03/2018	108	174	59	341	476	T
03/04/2018	85	144	45	274	412	
03/05/2018	64	127	40	230	303	
03/06/2018	60	119	40	219	276	0.23
03/07/2018	75	139	48	262	430	1.28
03/08/2018	105	166	60	330	419	
03/09/2018	92	173	53	317	426	
03/10/2018	75	163	44	282	369	
03/11/2018	68	138	38	244	338	
03/12/2018	67	140	40	248	306	0.06
03/13/2018	67	134	39	239	279	0.03
03/14/2018	65	145	37	247	293	
03/15/2018	60	121	35	216	252	T
03/16/2018	59	117	34	211	255	T
03/17/2018	58	103	36	197	242	
03/18/2018	59	103	34	195	249	
03/19/2018	58	105	33	196	242	
03/20/2018	56	97	34	188	238	0.40
03/21/2018	63	81	76	219	281	1.06
03/22/2018	69	121	44	233	304	T
03/23/2018	89	145	50	285	424	
03/24/2018	70	133	40	243	336	
03/25/2018	56	109	40	205	263	
03/26/2018	55	110	54	219	273	
03/27/2018	53	112	44	209	259	T
03/28/2018	53	105	33	192	248	0.02
03/29/2018	57	103	35	195	300	0.08
03/30/2018	55	106	35	195	243	0.16
03/31/2018	60	106	37	204	390	
<b>TOTAL</b>	<b>2,092</b>	<b>3,878</b>	<b>1,327</b>	<b>7,297</b>		<b>4.74</b>
<b>AVG</b>	<b>67</b>	<b>125</b>	<b>43</b>	<b>235</b>		
			MIN	181	214	
			MAX	341	476	

\* ADJUSTED FOR RECYCLE.

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF MARCH 2018

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
03/08/2018	0.199	1.080	4.78	7.70	0.516
03/15/2018	0.204	0.888	6.29	8.85	0.285
03/22/2018	0.379	1.180	8.28	9.57	0.418
03/29/2018	0.341	0.931	8.21	9.44	0.292
<b>AVG</b>	0.281	1.020	6.89	8.89	0.378
<b>MAX</b>	0.379	1.180	8.28	9.57	0.516

**Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
03/09/2018	< 0.050

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	03/08/2018
Copper	0.0120
Iron	1.5700
Iron Dissolved	0.0290
Lead	< 0.0030
Zinc	0.0430

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	03/05/2018
1,2-Dichloroethane	< 0.0005
Chloroform	0.0076
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	0.0006
Trichloroethylene	< 0.0005

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
MARCH 2018	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
03/01/2018	0.791	1.367	157	1.795	1.086	102.8
03/02/2018	1.375	0.916	102	0.908	1.102	97.6
03/03/2018	1.959	0.385	35	0.000	2.165	163.8
03/04/2018	1.130	1.204	129	0.870	1.084	102.1
03/05/2018	1.134	0.297	31	0.890	1.349	138.5
03/06/2018	1.356	0.861	97	0.885	1.115	113.6
03/07/2018	1.001	0.575	63	0.000	0.715	73.0
03/08/2018	0.657	0.081	8	0.912	0.821	62.8
03/09/2018	1.154	1.081	112	0.917	1.354	140.7
03/10/2018	1.134	1.173	122	0.888	1.080	80.9
03/11/2018	1.207	1.106	116	0.901	1.200	106.8
03/12/2018	1.963	0.214	21	0.000	1.881	150.2
03/13/2018	0.716	0.594	61	0.923	0.598	72.6
03/14/2018	0.637	0.779	82	0.911	0.901	93.6
03/15/2018	2.224	0.662	72	0.924	2.248	208.4
03/16/2018	0.747	0.754	81	0.000	0.650	50.8
03/17/2018	1.242	0.672	76	0.124	1.364	143.5
03/18/2018	1.099	0.696	77	1.673	1.091	96.1
03/19/2018	2.197	0.394	38	0.000	2.129	184.0
03/20/2018	1.866	0.489	55	0.933	1.700	132.6
03/21/2018	0.425	0.991	112	0.885	0.457	36.5
03/22/2018	1.316	0.783	81	0.917	1.466	105.9
03/23/2018	0.430	0.952	101	0.998	0.164	10.1
03/24/2018	0.538	0.882	86	0.886	0.894	57.2
03/25/2018	1.096	1.395	134	0.893	0.861	78.3
03/26/2018	1.680	0.140	14	0.751	1.779	130.2
03/27/2018	2.173	0.690	74	0.000	2.190	239.2
03/28/2018	2.114	0.481	54	0.906	2.091	191.8
03/29/2018	1.339	0.914	97	0.892	1.395	121.8
03/30/2018	1.435	0.421	45	0.915	1.431	100.5
03/31/2018	1.440	1.045	113	0.807	1.489	104.7
<b>TOTAL</b>	39.576	22.995	2,446	23.306	39.846	3,491
<b>AVERAGE</b>	1.277	0.742	79	0.752	1.285	113



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

**PA0026689**  
 PERMIT NUMBER

**001**  
 OUTFALL NUMBER

Reorting Frequency: Monthly  
 DMR Effective From: 03/01/2018  
 DMR Effective To: 03/31/2018  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2018	03	01	FROM	2018	03	31
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	5.2	6.1	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.6	***	7.0	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	23909	31572	lbs/day	***	12	14	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	6.89	8.28	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.281	.379	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	1.020	1.180	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	8.89	9.57	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.378	.516	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0076	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.050	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0120	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	1.5700	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0290	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF CLEAN WATER  
 DISCHARGE MONITORING REPORT (DMR)



Zinc, Total	Sample Measurement	***	***	***	***	.0430	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	235	341	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.32	.49	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	.0006	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	6	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	15439	19061	lbs/day	***	8	8	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	31738	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	93	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	93	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
BLSNE201803.xls	Nutrient Monitoring Form	2018-04-26T15:11:02-04:00	
NE Daily Composite (04-25-2018).pdf	Laboratory Accreditation Form	2018-04-26T15:12:49-04:00	
NE Daily Composite 2 (04-25-2018).pdf	Laboratory Accreditation Form	2018-04-26T15:13:32-04:00	
NE Outfall Monthly Grab (04-25-2018).pdf	Laboratory Accreditation Form	2018-04-26T15:14:33-04:00	
NECSO 201803.xls	CSO Detailed Outfall Report Form	2018-04-26T15:11:33-04:00	
201803SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-04-26T15:12:03-04:00	
NE Influent BOD (04-25-2018).pdf	Laboratory Accreditation Form	2018-04-26T15:13:59-04:00	
E-NPDES NE-201803.xls	Daily Effluent Monitoring Form	2018-04-27T13:42:59-04:00	Flow and loading values were revised fro the tenth of the month which also affected the monthly and weekly average values that were previously reported.

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
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**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. A flow in excess of 315 MGD qualified for permit relief on the third, eighth, and ninth of the month and was used in compliance reporting. Please see attachments for data qualifier reports. This submission was revised to correct flow and loading values that were incorrectly reported for the tenth of the month.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2018	4	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20180423-001  
 Report Date: 04/23/2018

NE Daily Composite

WW180305-012

Composite 24h 03/05/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/5/2018	9:15	3/10/2018	9:05	104	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	3/5/2018	8:23	3/5/2018	10:36	110	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.41, 0.36, and 0.62 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.

WW180305-013

Composite 24h 03/05/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/5/2018	9:15	3/10/2018	9:05	117	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	3/5/2018	8:23	3/5/2018	10:36	125	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.41, 0.36, and 0.62 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.

WW180305-014

Composite 24h 03/05/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/5/2018	9:15	3/10/2018	9:05	110	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	3/5/2018	8:23	3/5/2018	10:36	65	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.41, 0.36, and 0.62 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.
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WW180308-014

Composite 24h 03/08/2018 07:05

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1016 <sup>B,D</sup>	EPA 8082A	3/8/2018	0:00	3/10/2018	6:55	<0.500 <sup>E</sup>	µg/L	0.500	µg/L
Aroclor 1260 <sup>B,D</sup>	EPA 8082A	3/8/2018	0:00	3/10/2018	6:55	<0.500 <sup>E</sup>	µg/L	0.500	µg/L
CBOD20	SM 5210 B	3/8/2018	15:35	3/28/2018	10:10	22.6	mg/L	2	mg/L
TKN	SM 4500 Norg D	3/16/2018	11:05	3/23/2018	14:07	7.7	mg/L as N	1	mg/L as N

Data Qualifiers:

Aroclor 1016	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Aroclor 1260	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
CBOD20	Laboratory Fortified Blank (LFB) recovery is 160 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
TKN	Laboratory Fortified Matrix (LFM) recovery is 83%. Acceptance limits are 90-110%.

WW180309-011

Composite 24h 03/09/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/9/2018	9:40	3/14/2018	8:09	75	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180309-012

Composite 24h 03/09/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/9/2018	9:40	3/14/2018	8:09	86	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/9/2018	9:40	3/14/2018	8:09	77	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/9/2018	9:40	3/14/2018	8:09	10	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/12/2018	12:30	3/17/2018	8:15	101	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 68%. Acceptance limits are 85 to 115%.								
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/12/2018	12:30	3/17/2018	8:15	111	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 68%. Acceptance limits are 85 to 115%.								
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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CBOD5	SM 5210 B	3/12/2018	12:30	3/17/2018	8:15	106	mg/L	2	mg/L
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Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 68%. Acceptance limits are 85 to 115%.
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WW180323-015

Composite 24h 03/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/23/2018	12:10	3/28/2018	7:45	85	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.26, 0.26, and 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180323-016

Composite 24h 03/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/23/2018	12:10	3/28/2018	7:45	98	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.26, 0.26, and 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180323-017

Composite 24h 03/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/23/2018	12:10	3/28/2018	7:45	88	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.26, 0.26, and 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180323-018

Composite 24h 03/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/23/2018	12:10	3/28/2018	7:45	11	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.26, 0.26, and 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180326-011

Composite 24h 03/26/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/26/2018	9:19	3/31/2018	8:55	135	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	3/26/2018	8:08	3/26/2018	10:12	244	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.23, 0.22, 0.23 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 128%. Acceptance limits are 85 to 115%.

WW180326-012

Composite 24h 03/26/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/26/2018	9:19	3/31/2018	8:55	157	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	3/26/2018	8:08	3/26/2018	10:12	260	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.23, 0.22, 0.23 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 128%. Acceptance limits are 85 to 115%.

WW180326-013

Composite 24h 03/26/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/26/2018	9:19	3/31/2018	8:55	136	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	3/26/2018	8:08	3/26/2018	10:12	232	mg/L	2.5	mg/L

WW180329-010

Composite 24h 03/29/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	3/29/2018	8:37	3/29/2018	10:46	160	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW180329-011

Composite 24h 03/29/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	3/29/2018	8:37	3/29/2018	10:46	200	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW180329-012

Composite 24h 03/29/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	3/29/2018	8:37	3/29/2018	10:46	215	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW180329-013

Composite 24h 03/29/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	3/29/2018	8:30	3/29/2018	10:43	8	mg/L	2.5	mg/L

Data Qualifiers:


Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 4/23/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite 2

Report: NPW20180423-002  
 Report Date: 04/23/2018

WW180305-015

Composite 24h 03/05/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	SM 5210 B	3/5/2018	8:45	3/25/2018	8:20	13	mg/L	2	mg/L
CBOD5	SM 5210 B	3/5/2018	9:15	3/10/2018	9:05	7	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	3/5/2018	8:02	3/5/2018	10:17	8	mg/L	2.5	mg/L

Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.41, 0.36, and 0.62 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.41, 0.36, and 0.62 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.

WW180312-014

Composite 24h 03/12/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	3/12/2018	12:30	3/17/2018	8:15	9	mg/L	2	mg/L
CBOD20	SM 5210 B	3/12/2018	12:30	4/1/2018	10:00	15	mg/L	2	mg/L
CBOD5	SM 5210 B	3/12/2018	12:30	3/17/2018	8:15	7	mg/L	2	mg/L

Data Qualifiers:

BOD5	Laboratory Fortified Blank (LFB) recovery is 68%. Acceptance limits are 85 to 115%.
CBOD20	Laboratory Fortified Blank (LFB) recovery is 68%. Acceptance limits are 85 to 115%.
CBOD5	Laboratory Fortified Blank (LFB) recovery is 68%. Acceptance limits are 85 to 115%.

WW180326-014

Composite 24h 03/26/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	3/26/2018	9:19	3/31/2018	8:55	16	mg/L	2	mg/L



CBOD20	SM 5210 B	3/26/2018	9:10	4/15/2018	7:58	14	mg/L	2	mg/L
CBOD5	SM 5210 B	3/26/2018	9:19	3/31/2018	8:55	6	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	3/26/2018	7:45	3/26/2018	9:52	10.0 <sup>E</sup>	mg/L	2.5	mg/L

Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.23, 0.22, 0.23 and 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.23, 0.22, 0.23, and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.23, 0.22, 0.23 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 128%. Acceptance limits are 85 to 115%.

WW180328-014

Composite 24h 03/28/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	SM 5210 B	3/28/2018	14:30	4/17/2018	9:10	12.2	mg/L	2	mg/L
COD	EPA 410.4	4/9/2018	13:05	4/9/2018	15:30	<50 <sup>E</sup>	mg/L	50	mg/L

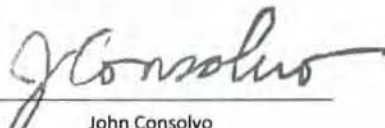
Data Qualifiers:

CBOD20	GGA recovery is 149.00 mg/L. The acceptance limits are 167.5 to 228.5 mg/L.
COD	Laboratory Fortified Matrix recovery is 123.8%. Acceptance limits are 90-110%.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
Signature: \_\_\_\_\_

  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 4/23/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20180423-003  
 Report Date: 04/23/2018

NE Influent BOD

WW180312-010

Composite 24h 03/12/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	3/12/2018	12:30	3/17/2018	8:15	99	mg/L	2	mg/L

Data Qualifiers:

BOD5	Laboratory Fortified Blank (LFB) recovery is 68%. Acceptance limits are 85 to 115%.
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WW180326-010

Composite 24h 03/26/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	3/26/2018	9:19	3/31/2018	8:55	148	mg/L	2	mg/L

Data Qualifiers:

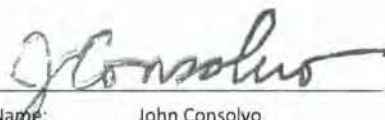
BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.23, 0.22, 0.23 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 4/23/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20180423-004  
 Report Date: 04/23/2018

NE Outfall Monthly Grab

Grab 03/05/2018 09:44

WW180305-021

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chloroform <sup>B,D</sup>	EPA 624			3/9/2018	22:47	7.60 <sup>E</sup>	µg/L	<0.5	µg/L
Tetrachloroethene <sup>B,D</sup>	EPA 624			3/9/2018	22:47	0.60 <sup>E</sup>	µg/L	<0.5	µg/L


Data Qualifiers:

Chloroform	The CCV for this analyte was above acceptance criteria. Results may have greater uncertainty. The Laboratory Control Sample for the analysis batch associated with this sample was above acceptance criteria. Results may have greater uncertainty.
Tetrachloroethene	The CCV for this analyte was above acceptance criteria. Results may have greater uncertainty.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 4/23/2018



Debra A. McCarty, Water Commissioner

April 27, 2018

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for the period of January 2018 to March 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name: PHILA WATER DEPT - NORTHEAST WPC PLANT**  
**Permit Number: PA0026689**  
**Report Frequency: Quarterly**  
**Report Type: DMR**  
**Reporting Period: 01/01/2018-03/31/2018**  
**Report Due Date: 04/28/2018**

**Submitted By: Mary Ellen Senss**  
**Submission Id: 96382**  
**Submission Status: Received**  
**Submission Type: Original**

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JANUARY 2018

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
01/03/2018	0.449	1.170	13.50	13.10	0.350
01/10/2018	0.216	0.592	12.20	12.40	0.414
01/17/2018	0.296	0.650	11.30	11.90	0.166
01/22/2018	0.274	0.373	13.30	13.90	0.229
01/24/2018	0.205	0.263	10.20	9.96	0.390
01/26/2018	0.421	0.681	12.20	10.90	0.151
01/31/2018	0.355	0.464	9.55	11.60	0.211
<b>AVG</b>	0.317	0.599	11.75	11.97	0.273
<b>MAX</b>	0.449	1.170	13.50	13.90	0.414

**Cyanide and Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
01/22/2018	< 0.050
01/24/2018	< 0.050
01/26/2018	< 0.050
<b>AVG</b>	< 0.050

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	01/22/2018	01/24/2018	01/26/2018	AVG
Copper	0.0070	0.0100	0.0070	0.0080
Iron	0.2900	0.7510	0.2170	0.4193
Iron Dissolved	0.0600	0.0550	0.0560	0.0570
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	0.0550	0.0470	0.0450	0.0490

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	01/21/2018	01/22/2018	01/23/2018	01/24/2018	01/25/2018	01/26/2018	AVG
1,2-Dichloroethane	< 0.0005	< 0.0005	< 0.0005	0.0006	< 0.0005	< 0.0005	< 0.0005
3,3-Dichlorobenzidine	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100
alpha-BHC	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Benzidine	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Beta-BHC	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Chlordane	< 0.0005000	< 0.0005000	< 0.0005000	< 0.0005000	< 0.0005000	< 0.0005000	< 0.0005000
Chloroform	0.0054	0.0074	0.0005	0.0054	0.0049	0.0064	0.0050
Chlorodibromomethane	< 0.0005	< 0.0005	< 0.0005	< 0.0006	< 0.0005	< 0.0006	< 0.0005
Dieldrin	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Endrin	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Heptachlor	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
p,p'-DDD	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
p,p'-DDE	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
p,p'-DDT	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Lindane(Gamma-BHC)	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Tetrachloroethylene	< 0.0005	< 0.0005	< 0.0005	< 0.0006	< 0.0005	< 0.0006	< 0.0005
Trichloroethylene	< 0.0005	< 0.0005	< 0.0005	< 0.0006	< 0.0005	< 0.0006	< 0.0005

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF JANUARY 2018**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**01/26/2018**

**Toxicity, Ceriodaphnia acute**

**1**

**Toxicity, Ceriodaphnia chronic**

**1**

**Toxicity, Pimphales acute**

**1**

**Toxicity, Pimphales chronic**

**1**



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

<b>PA0026689</b>
PERMIT NUMBER

<b>001</b>
OUTFALL NUMBER

Reorting Frequency: Monthly  
 DMR Effective From: 03/01/2018  
 DMR Effective To: 03/31/2018  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge?: No

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2018	03	01	FROM	2018	03	31
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	5.2	6.1	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.6	***	7.0	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	23909	31572	lbs/day	***	12	14	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	6.89	8.28	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.281	.379	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	1.020	1.180	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	8.89	9.57	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.378	.516	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0076	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.050	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0120	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	1.5700	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0290	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF CLEAN WATER  
 DISCHARGE MONITORING REPORT (DMR)



Zinc, Total	Sample Measurement	***	***	***	***	.0430	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	235	341	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.32	.49	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	.0006	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	6	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	15439	19061	lbs/day	***	8	8	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	31738	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	93	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	93	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
BLSNE201803.xls	Nutrient Monitoring Form	2018-04-26T15:11:02-04:00	
NE Daily Composite (04-25-2018).pdf	Laboratory Accreditation Form	2018-04-26T15:12:49-04:00	
NE Daily Composite 2 (04-25-2018).pdf	Laboratory Accreditation Form	2018-04-26T15:13:32-04:00	
NE Outfall Monthly Grab (04-25-2018).pdf	Laboratory Accreditation Form	2018-04-26T15:14:33-04:00	
NECSO 201803.xls	CSO Detailed Outfall Report Form	2018-04-26T15:11:33-04:00	
201803SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-04-26T15:12:03-04:00	
NE Influent BOD (04-25-2018).pdf	Laboratory Accreditation Form	2018-04-26T15:13:59-04:00	
E-NPDES NE-201803.xls	Daily Effluent Monitoring Form	2018-04-27T13:42:59-04:00	Flow and loading values were revised fro the tenth of the month which also affected the monthly and weekly average values that were previously reported.

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments
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**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. A flow in excess of 315 MGD qualified for permit relief on the third, eighth, and ninth of the month and was used in compliance reporting. Please see attachments for data qualifier reports. This submission was revised to correct flow and loading values that were incorrectly reported for the tenth of the month.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2018	4	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



Debra A. McCarty, Water Commissioner

May 24, 2018

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for April 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 04/01/2018-04/30/2018

**Report Due Date:** 05/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 99651

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for April 2018

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

**PA0026689**  
 PERMIT NUMBER

**001**  
 OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **04/01/2018**  
 DMR Effective To: **04/30/2018**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge? **No**

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2018	04	01	TO	2018	04	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	3.7	5.7	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.3	***	7.4	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	18264	28073	lbs/day	***	11	18	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	5.94	9.48	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	402	.542	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	.935	1.280	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	9.99	12.20	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.379	.655	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0092	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.050	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0063	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.1753	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0497	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total	Sample Measurement	***	***	***	***	.0320	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	188	339	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.29	.40	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	5/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	7	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	12272	17298	lbs/day	***	7	9	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	29426	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***	***	***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	94	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	94	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
NE Daily Grab (05-21-2018).pdf	Laboratory Accreditation Form	2018-05-24T14:31:00-04:00	
NE WET Testing Grab (05-21-2018).pdf	Laboratory Accreditation Form	2018-05-24T14:32:08-04:00	
BLSNE201804.xls	Nutrient Monitoring Form	2018-05-24T14:27:31-04:00	
201804SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-05-24T14:29:27-04:00	
NE Daily Composite (05-21-2018).pdf	Laboratory Accreditation Form	2018-05-24T14:30:08-04:00	
NE Daily Composite 2 (05-21-2018).pdf	Laboratory Accreditation Form	2018-05-24T14:30:34-04:00	
E-NPDES NE-201804.xls	Daily Effluent Monitoring Form	2018-05-24T14:26:38-04:00	
NECSO 201804.xls	CSO Detailed Outfall Report Form	2018-05-24T14:28:27-04:00	
NE WET Testing Composite (05-21-2018).pdf	Laboratory Accreditation Form	2018-05-24T14:31:30-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. A flow in excess of 315 MGD qualified for permit relief on the 17th of the month and was used in compliance reporting. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
SENSSM			AREA CODE	NUMBER	2018	5	24
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

# PERMIT

## NEWPCP - APRIL 2018

### COMPOSITE SAMPLES

DATE	SUSPENDED SOLIDS						CBOD <sub>5</sub>				CBOD 20 LBS*** (mg/L)
	FLOW * (MGD)	INF* (mg/L)	EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	

Su	04/01/2018	183	176	6	97	9,146	116	4	97	6,097		
M	04/02/2018	180	174	5	97	7,521	110	4	96	6,017	12	
T	04/03/2018	238	141	10	93	19,888	80	7	91	13,922		
W	04/04/2018	202	109	9	92	15,167	91	8	91	13,481	15	
Th	04/05/2018	182	171	5	97	7,576	125	4	97	6,061		
F	04/06/2018	167	155	4	97	5,562	120	6	95	8,344		
S	04/07/2018	176	135	3	98	4,395	108	3	97	4,395		
Su	04/08/2018	168	220	4	98	5,603	137	3	98	4,203		
M	04/09/2018	150	145	3	98	3,746	122	3	98	3,746	11	
T	04/10/2018	166	136	4	97	5,537	138	4	97	5,537		
W	04/11/2018	162	184	2	99	2,704	128	3	98	4,056	11	
Th	04/12/2018	163	204	3	99	4,078	130	5	96	6,796		
F	04/13/2018	164	186	5	97	6,822	142	5	96	6,822	12	
S	04/14/2018	158	187	3	98	3,941	147	5	97	6,569		
Su	04/15/2018	155	207	6	97	7,768	142	4	97	5,178		
M	04/16/2018	254	204	31	85	65,770	145	23	84	48,797	40	
T	04/17/2018	339	212	23	89	52,540	65,058	143	14	90	36,430	39,600
W	04/18/2018	197	148	6	96	9,837	85	4	95	6,558	10	
Th	04/19/2018	188	164	7	96	10,963	101	5	95	7,830		
F	04/20/2018	179	234	7	97	10,468	151	5	97	7,477		
S	04/21/2018	176	279	11	96	16,159	167	6	96	8,814		
Su	04/22/2018	176	340	11	97	16,172	168	5	97	7,351		
M	04/23/2018	176	185	12	94	17,564	120	7	94	10,246	18	
T	04/24/2018	172	169	12	93	17,256	140	6	96	8,628		
W	04/25/2018	202	160	31	81	52,310	128	16	88	26,999	30	
Th	04/26/2018	199	190	16	92	26,555	157	9	94	14,937		
F	04/27/2018	176	166	19	89	27,938	112	9	92	13,234		
S	04/28/2018	211	193	22	89	38,716	149	14	91	24,638		
Su	04/29/2018	217	183	34	81	61,643	147	20	86	36,261		
M	04/30/2018	175	186	10	95	14,560	120	6	95	8,736		

TOTAL	5,651	5,543					3,869				
AVERAGE	188	185	11	94	18,264	65,058	129	7	94	12,272	18

Wk1	190	152	6	96	9,894		107	5	95	8,331
Wk2	161	180	3	98	4,633		135	4	97	5,390
Wk3	213	207	13	94	24,786		133	9	94	17,298
Wk4	188	200	18	90	28,073		139	9	93	15,147

MAX 339

CBOD 20 LBS-- 29,426

NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.

\*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.

\*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.

(a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - APRIL 2018**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
Su 04/01/2018	183	6.9	6.8	6.7	0.28	2		
M 04/02/2018	180	6.9	6.8	5.5	0.26	19		
T 04/03/2018	238	6.9	6.9	6.4	0.20	13		
W 04/04/2018	202	6.9	6.9	6.4	0.29	13		
Th 04/05/2018	182	6.9	6.9	7.0	0.23	4		
F 04/06/2018	167	7.0	6.9	5.6	0.26	17		
S 04/07/2018	176	6.9	6.8	6.5	0.26	7		
Su 04/08/2018	168	6.8	6.9	5.5	0.26	4		
M 04/09/2018	150	6.6	6.8	4.5	0.29	10		
T 04/10/2018	166	6.9	6.9	5.1	0.25	4		
W 04/11/2018	162	7.0	7.0	5.8	0.40	10		
Th 04/12/2018	163	7.0	7.4	6.4	0.25	8		
F 04/13/2018	164	6.9	7.1	6.6	0.24	7		
S 04/14/2018	158	6.9	6.9	6.5	0.24	2		
Su 04/15/2018	155	6.9	6.8	6.9	0.30	1		
M 04/16/2018	254	6.3	6.3	4.1	0.39	72		
T 04/17/2018	339	6.9	6.9	5.9	0.33	3		
W 04/18/2018	197	6.7	6.7	6.4	0.30	4		
Th 04/19/2018	188	6.6	6.7	6.2	0.29	4		
F 04/20/2018	179	6.9	6.8	6.1	0.32	2		
S 04/21/2018	176	6.7	6.8	6.0	0.34	4		
Su 04/22/2018	176	6.9	6.8	5.3	0.38	1		
M 04/23/2018	176	7.0	6.9	4.7	0.33	10		
T 04/24/2018	172	6.6	6.8	4.7	0.29	7		
W 04/25/2018	202	6.9	6.9	4.3	0.26	7		
Th 04/26/2018	199	6.9	7.1	5.4	0.34	4		
F 04/27/2018	176	6.9	6.9	3.7	0.20	> 2,420		
S 04/28/2018	211	7.0	7.0	6.0	0.37	2		
Su 04/29/2018	217	6.8	6.7	6.4	0.25	7		
M 04/30/2018	175	7.0	7.1	6.1	0.25	6		
TOTAL	5,651	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	188	6.3	7.4	3.7	5.7	0.29	0.40	MEAN
								7

Wk1 190  
Wk2 161  
Wk3 213  
Wk4 188

**MAX** 339

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.



**PERMIT  
NEWPCP - APRIL 2018  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
04/01/2018	0.26	0.30	0.28	6.6	6.8	6.7	1	4	2
04/02/2018	0.22	0.29	0.26	5.3	5.7	5.5	49	7	19
04/03/2018	0.19	0.20	0.20	6.3	6.4	6.4	31	5	13
04/04/2018	0.17	0.41	0.29	6.3	6.5	6.4	34	5	13
04/05/2018	0.19	0.26	0.23	6.9	7.1	7.0	6	2	4
04/06/2018	0.34	0.18	0.26	5.3	5.8	5.6	13	21	17
04/07/2018	0.32	0.19	0.26	6.3	6.6	6.5	6	7	7
04/08/2018	0.32	0.19	0.26	5.4	5.5	5.5	4	3	4
04/09/2018	0.32	0.26	0.29	4.4	4.6	4.5	15	7	10
04/10/2018	0.26	0.23	0.25	5.0	5.1	5.1	2	7	4
04/11/2018	0.51	0.29	0.40	5.6	5.9	5.8	8	12	10
04/12/2018	0.26	0.24	0.25	6.1	6.6	6.4	9	8	8
04/13/2018	0.28	0.19	0.24	6.5	6.6	6.6	13	4	7
04/14/2018	0.24	0.24	0.24	6.3	6.7	6.5	4	1	2
04/15/2018	0.30	0.30	0.30	6.9	6.8	6.9	1	2	1
04/16/2018	0.42	0.36	0.39	4.1	4.1	4.1	65	81	72
04/17/2018	0.34	0.32	0.33	5.7	6.1	5.9	5	2	3
04/18/2018	0.30	0.30	0.30	6.3	6.4	6.4	4	4	4
04/19/2018	0.24	0.33	0.29	6.0	6.3	6.2	2	6	4
04/20/2018	0.28	0.36	0.32	6.0	6.2	6.1	3	2	2
04/21/2018	0.25	0.42	0.34	5.7	6.2	6.0	3	4	4
04/22/2018	0.28	0.48	0.38	5.2	5.4	5.3	1	1	1
04/23/2018	0.30	0.35	0.33	4.6	4.7	4.7	20	5	10
04/24/2018	0.27	0.30	0.29	4.6	4.7	4.7	12	4	7
04/25/2018	0.31	0.21	0.26	4.2	4.3	4.3	7	7	7
04/26/2018	0.33	0.35	0.34	5.3	5.5	5.4	3	4	4
04/27/2018	0.22	0.17	0.20	3.6	3.7	3.7	> 2,420	> 2,420	> 2,420
04/28/2018	0.43	0.30	0.37	5.9	6.1	6.0	1	3	2
04/29/2018	0.26	0.24	0.25	6.3	6.4	6.4	11	5	7
04/30/2018	0.28	0.21	0.25	5.9	6.2	6.1	10	4	6
Avg	0.29	0.28	0.29	5.6	5.8	5.7	8	6	7

# PERMIT NEWPCP - APRIL 2018

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
04/01/2018			
04/02/2018	124	11	91%
04/03/2018			
04/04/2018	126	19	85%
04/05/2018			
04/06/2018			
04/07/2018			
04/08/2018			
04/09/2018	131	11	92%
04/10/2018			
04/11/2018	131	7	95%
04/12/2018			
04/13/2018			
04/14/2018			
04/15/2018			
04/16/2018	130	32	75%
04/17/2018			
04/18/2018	114	11	90%
04/19/2018			
04/20/2018			
04/21/2018			
04/22/2018			
04/23/2018	133	25	81%
04/24/2018			
04/25/2018	148	40	73%
04/26/2018			
04/27/2018			
04/28/2018			
04/29/2018			
04/30/2018			
AVG	130	20	85%

DESIGN - 210 MGD

<b>NEWPCP - APRIL 2018</b>						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
04/01/2018	51	99	33	183	224	
04/02/2018	51	98	31	180	222	0.12
04/03/2018	68	127	43	238	372	0.08
04/04/2018	60	105	37	202	380	0.06
04/05/2018	54	95	33	182	235	
04/06/2018	50	87	30	167	211	0.03
04/07/2018	52	92	32	176	258	T
04/08/2018	50	88	30	168	202	
04/09/2018	50	69	30	150	225	T
04/10/2018	49	86	31	166	200	T
04/11/2018	49	83	31	162	194	
04/12/2018	48	84	31	163	203	
04/13/2018	48	82	33	164	202	
04/14/2018	48	79	30	158	193	
04/15/2018	48	76	31	155	203	0.56
04/16/2018	82	117	55	254	451	2.28
04/17/2018	86	192	61	339	491	T
04/18/2018	55	107	34	197	226	
04/19/2018	53	102	32	188	249	T
04/20/2018	54	93	32	179	232	
04/21/2018	52	93	31	176	235	
04/22/2018	52	93	31	176	213	
04/23/2018	53	92	31	176	208	
04/24/2018	51	90	32	172	207	0.11
04/25/2018	69	93	40	202	337	0.16
04/26/2018	59	103	37	199	287	
04/27/2018	50	95	31	176	228	0.25
04/28/2018	62	109	40	211	366	0.14
04/29/2018	68	108	42	217	344	0.15
04/30/2018	51	92	32	175	213	
<b>TOTAL</b>	<b>1,674</b>	<b>2,928</b>	<b>1,049</b>	<b>5,651</b>		<b>3.94</b>
<b>AVG</b>	<b>56</b>	<b>98</b>	<b>35</b>	<b>188</b>		
			<b>MIN</b>	<b>150</b>	<b>193</b>	
			<b>MAX</b>	<b>339</b>	<b>491</b>	

\* ADJUSTED FOR RECYCLE.



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF APRIL 2018**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**04/13/2018**

**Toxicity, Ceriodaphnia acute**

**1**

**Toxicity, Ceriodaphnia chronic**

**1**

**Toxicity, Pimphales acute**

**1**

**Toxicity, Pimphales chronic**

**1**

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
APRIL 2018	Sludge Flow To	Sludge Processed by		Sludge Flow To	Sludge Processed by	
	Biosolids Recycle Center / Synagro From NEWPCP	Biosolids Recycle Center / Synagro		Biosolids Recycle Center / Synagro From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD	DT	MGD	MGD	DT
04/01/2018		0.607		1.428	1.056	74.6
04/02/2018	0.910	0.536	53.05	0.937	0.837	58.3
04/03/2018	0.935	0.839	82.98	0.792	1.162	73.6
04/04/2018	0.916	1.092	119.40	2.240	1.951	152.5
04/05/2018	0.900	0.921	96.78	0.830	1.147	83.3
04/06/2018	0.880	1.163	112.65	1.331	1.003	72.4
04/07/2018				1.124	1.400	110.1
04/08/2018	0.905	0.505	51.99	1.248	1.118	87.7
04/09/2018	0.923	1.109	124.04	1.143	1.185	110.4
04/10/2018	0.900	1.122	125.09	1.268	1.129	77.0
04/11/2018	0.912	0.934	98.21	1.392	1.407	102.2
04/12/2018	0.918	0.926	96.15	1.183	1.278	91.7
04/13/2018	0.899	0.894	81.93	1.087	1.023	68.6
04/14/2018		0.009	0.41	1.162	1.322	91.0
04/15/2018	0.939	0.930	84.15	1.478	1.274	85.6
04/16/2018	0.895	0.855	76.67	1.529	1.424	110.1
04/17/2018		0.004		1.439	1.703	134.1
04/18/2018				1.166	0.974	95.8
04/19/2018	0.727	0.395	35.15	0.893	0.704	84.9
04/20/2018	1.834	1.490	133.75	1.182	1.209	153.2
04/21/2018		0.667		1.435	1.379	138.9
04/22/2018	0.912	0.517	53.36	0.819	0.780	59.8
04/23/2018	0.919	1.013	101.69	0.140	0.407	35.6
04/24/2018	0.909	0.969	104.24	1.662	1.442	131.4
04/25/2018	0.887	1.152	122.77	1.382	1.354	113.7
04/26/2018	0.900	0.036	2.52	1.300	1.460	131.9
04/27/2018		0.874		1.116	1.073	93.9
04/28/2018	0.910	0.443	48.19	1.816	1.839	170.6
04/29/2018	0.896	1.377	152.26	1.288	1.259	119.6
04/30/2018	0.909	0.539	57.97	1.499	1.547	151.3
<b>TOTAL</b>	<b>21.636</b>	<b>21.915</b>	<b>2,015</b>	<b>37.308</b>	<b>36.842</b>	<b>3,064</b>
<b>AVERAGE</b>	<b>0.941</b>	<b>0.783</b>	<b>84</b>	<b>1.244</b>	<b>1.228</b>	<b>102</b>

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20180521-001  
 Report Date: 05/21/2018

NE Daily Composite

WW180408-010

Composite 24h 04/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/8/2018	7:45	4/8/2018	9:50	136	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 85 to 115%.
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WW180408-011

Composite 24h 04/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/8/2018	7:45	4/8/2018	9:50	170	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 85 to 115%.
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WW180408-012

Composite 24h 04/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/8/2018	7:45	4/8/2018	9:50	160	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 85 to 115%.
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WW180408-013

Composite 24h 04/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/8/2018	7:41	4/8/2016	9:46	4.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 85 to 115%.
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WW180411-013

Composite 24h 04/11/2018 06:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/11/2018	7:58	4/11/2018	10:08	145	mg/L	2.5	mg/L
TKN	SM 4500 Norg D	4/21/2018	9:55	4/23/2018	15:52	22.6	mg/L as N	1.0	mg/L as N

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 90 to 110%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 73%. Acceptance limits are 90-110%.

WW180411-014

Composite 24h 04/11/2018 06:35

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/11/2018	7:58	4/11/2018	10:08	320	mg/L	2.5	mg/L
TKN	SM 4500 Norg D	4/21/2018	9:55	4/23/2018	15:54	24.2	mg/L as N	1.0	mg/L as N

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 90 to 110%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 73%. Acceptance limits are 90-110%.

WW180411-015

Composite 24h 04/11/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/11/2018	7:58	4/11/2018	10:08	190	mg/L	2.5	mg/L
TKN	SM 4500 Norg D	4/21/2018	9:55	4/23/2018	15:55	22.6	mg/L as N	1.0	mg/L as N

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 90 to 110%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 73%. Acceptance limits are 90-110%.

WW180411-016

Composite 24h 04/11/2018 06:30



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/11/2018	7:39	4/11/2018	9:50	2.00 <sup>E</sup>	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 90 to 110%.
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WW180413-011

Composite 24h 04/13/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/13/2018	12:10	4/18/2018	7:35	135	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.26 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180413-012

Composite 24h 04/13/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/13/2018	12:10	4/18/2018	7:35	163	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.26 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180413-013

Composite 24h 04/13/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/13/2018	12:10	4/18/2018	7:35	151	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.26 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180413-014

Composite 24h 04/13/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/13/2018	12:10	4/18/2018	7:35	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.26 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180414-010

Composite 24h 04/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/14/2018	12:25	4/19/2018	8:25	133	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.24, 0.31, and 0.31 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 119%. Acceptance limits are 85 to 115%.
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WW180414-011

Composite 24h 04/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/14/2018	12:25	4/19/2018	8:25	150	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.24, 0.31, and 0.31 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 119%. Acceptance limits are 85 to 115%.
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WW180414-012

Composite 24h 04/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/14/2018	12:25	4/19/2018	8:25	147	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.24, 0.31, and 0.31 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 119%. Acceptance limits are 85 to 115%.
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WW180414-013

Composite 24h 04/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/14/2018	12:25	4/19/2018	8:25	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.24, 0.31, and 0.31 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Laboratory Fortified Blank (LFB) recovery is 119%. Acceptance limits are 85 to 115%.
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WW180418-013

Composite 24h 04/18/2018 07:35

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	4/21/2018	9:55	4/23/2018	16:08	18.6	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 73%. Acceptance limits are 90-110%.
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WW180418-014

Composite 24h 04/18/2018 07:35

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	4/21/2018	9:55	4/23/2018	16:09	18.4	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 73%. Acceptance limits are 90-110%.
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WW180422-010

Composite 24h 04/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/22/2018	10:38	4/27/2018	6:25	121	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180422-011

Composite 24h 04/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/22/2018	10:38	4/27/2018	6:25	136	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180422-012

Composite 24h 04/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/22/2018	10:38	4/27/2018	6:25	113	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180422-013

Composite 24h 04/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/22/2018	10:38	4/27/2018	6:25	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180423-011

Composite 24h 04/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/23/2018	9:10	4/28/2018	8:54	143	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.								
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WW180423-012

Composite 24h 04/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/23/2018	9:10	4/28/2018	8:54	138	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW180424-010

Composite 24h 04/24/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/24/2018	7:52	4/24/2018	9:58	140	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 90 to 110%.
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WW180424-011

Composite 24h 04/24/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/24/2018	7:52	4/24/2018	9:58	190	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 90 to 110%.
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WW180424-012

Composite 24h 04/24/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/24/2018	7:52	4/24/2018	9:58	165	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 90 to 110%.
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WW180424-013

Composite 24h 04/24/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/24/2018	7:36	4/24/2018	9:42	12	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 90 to 110%.
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WW180428-010

Composite 24h 04/28/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/28/2018	13:34	5/3/2018	7:30	138	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.46, 0.45, 0.41, and 0.39 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180428-011

Composite 24h 04/28/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/28/2018	13:34	5/3/2018	7:30	170	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.46, 0.45, 0.41, and 0.39 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180428-012

Composite 24h 04/28/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/28/2018	13:34	5/3/2018	7:30	147	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.46, 0.45, 0.41, and 0.39 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180428-013

Composite 24h 04/28/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/28/2018	13:34	5/3/2018	7:30	14	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.46, 0.45, 0.41, and 0.39 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180429-010

Composite 24h 04/29/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/29/2018	9:40	5/4/2018	7:35	103	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180429-011

Composite 24h 04/29/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD	SM 5210 B	4/29/2018	9:40	5/4/2018	7:35	151	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180429-012

Composite 24h 04/29/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/29/2018	9:40	5/4/2018	7:35	134	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180429-013

Composite 24h 04/29/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/29/2018	9:40	5/4/2018	7:35	20	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 5/21/2018



Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite 2

Report: NPW20180521-002  
 Report Date: 05/21/2018

WW180404-015

Composite 24h 04/04/2018 07:10

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	SM 5210 B	4/4/2018	14:22	4/24/2018	8:35	15	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	GGA recovery is 154 mg/L. The acceptance limits are 167.5 to 228.5 mg/L.
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WW180418-015

Composite 24h 04/18/2018 07:35

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	4/21/2018	9:55	4/23/2018	16:11	7.29	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 73%. Acceptance limits are 90-110%.
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WW180423-014

Composite 24h 04/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/23/2018	9:10	4/28/2018	8:54	7	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

A handwritten signature in black ink, appearing to read "J. Consolvo", written over a horizontal line.

Name: John Consolvo  
Title: Laboratory Manager  
Date: 5/21/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report: NPW20180521-003  
 Report Date: 05/21/2018

WW180409-001

Grab 04/09/2018 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			4/10/2018	8:30	14.5	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.861. The maximum acceptable PCV is 0.556. The measured results were 3.0 MPN/mL and 21.8 MPN/mL. PCV 0.556 was exceeded due to low values in samples.
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WW180409-002

Grab 04/09/2018 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			4/10/2018	8:30	7.4	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.861. The maximum acceptable PCV is 0.556. The measured results were 3.0 MPN/mL and 21.8 MPN/mL. PCV 0.556 was exceeded due to low values in samples.
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WW180430-001

Grab 04/30/2018 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			4/30/2018	9:37	0.28	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Laboratory Control Standard (LCS) recovery is 112%. Acceptance limits are 90 to 110%.
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WW180430-002

Grab 04/30/2018 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			4/30/2018	9:37	0.21	mg/L	0.05	mg/L

Data Qualifiers:

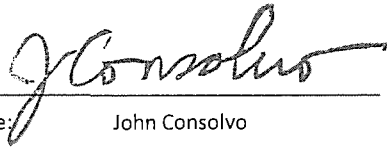
Chlorine Residual Total	Laboratory Control Standard (LCS) recovery is 112%. Acceptance limits are 90 to 110%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 5/21/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20180521-004  
 Report Date: 05/21/2018

NE WET Testing Composite

WW180409-006

Composite 24h 04/09/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,1,1-Trichloroethane <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,1,2,2-Tetrachloroethane <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,1,2-Trichloroethane <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,1-Dichloroethane <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,1-Dichloroethene <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,2-Dichlorobenzene <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,2-Dichloroethane <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,2-Dichloropropane <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,3-Dichlorobenzene <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,4-Dichlorobenzene <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
2,4,6-Trichlorophenol <sup>B,D</sup>	EPA 625	4/10/2018	0:00	4/14/2018	0:04	<1.00 <sup>E</sup>	µg/L	<1.00	µg/L
2-Chloroethyl vinyl ether <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
2-Chloronaphthalene <sup>B,D</sup>	EPA 625	4/10/2018	0:00	4/14/2018	0:04	<1.00 <sup>E</sup>	µg/L	<1.00	µg/L
Acrolein <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<1.0 <sup>E</sup>	µg/L	<1.0	µg/L
Acrylonitrile <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Benzene <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Bromodichloromethane <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Bromoform <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Bromomethane <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Carbon tetrachloride <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
CBOD5	SM 5210 B	4/9/2018	13:05	4/14/2018	7:15	2.68	mg/L	2.0	mg/L
Chlorobenzene <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L

Chloroethane <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Chloroform <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Chloromethane <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Dibromochloromethane <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Dichloromethane <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608	4/11/2018	0:00	4/16/2018	17:18	<0.02 <sup>E</sup>	µg/L	<0.02	µg/L
Ethylbenzene <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Tetrachloroethene <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Toluene <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
trans-1,2-Dichloroethene <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
trans-1,3-Dichloropropene <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Trichloroethene <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Vinyl chloride <sup>B,D</sup>	EPA 624			4/11/2018	2:03	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L

Data Qualifiers:

1,1,1-Trichloroethane	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.
1,1,2,2-Tetrachloroethane	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.
1,1,2-Trichloroethane	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.
1,1-Dichloroethane	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.
1,1-Dichloroethene	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.
1,2-Dichlorobenzene	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.
1,2-Dichloroethane	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.
1,2-Dichloropropane	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.
1,3-Dichlorobenzene	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.
1,4-Dichlorobenzene	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.

2,4,6-Trichlorophenol	The LCS for the analysis batch associated with this sample was below the acceptance criteria. Results may have greater uncertainty.
2-Chloroethyl vinyl ether	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
2-Chloronaphthalene	The LCS for the analysis batch associated with this sample was below the acceptance criteria. Results may have greater uncertainty.
Acrolein	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Acrylonitrile	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Benzene	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Bromodichloromethane	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Bromoform	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Bromomethane	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Carbon tetrachloride	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
CBOD5	GGA recovery is 151.00 mg/L. The acceptance limits are 167.5 to 228.5 mg/L.
Chlorobenzene	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Chloroethane	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Chloroform	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Chloromethane	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Dibromochloromethane	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Dichloromethane	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Endrin aldehyde	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Ethylbenzene	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Tetrachloroethene	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.

Toluene	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.
trans-1,2-Dichloroethene	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.
trans-1,3-Dichloropropene	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.
Trichloroethene	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.
Vinyl chloride	The surrogate associated with this sample was above established acceptance criteria. Data may biased high.

WW180411-011

Composite 24h 04/11/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,1,1-Trichloroethane <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,1,2,2-Tetrachloroethane <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,1,2-Trichloroethane <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,1-Dichloroethane <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,1-Dichloroethene <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,2-Dichlorobenzene <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,2-Dichloroethane <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,2-Dichloropropane <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,3-Dichlorobenzene <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
1,4-Dichlorobenzene <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
2-Chloroethyl vinyl ether <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
2-Chloronaphthalene <sup>B,D</sup>	EPA 625	4/17/2018	0:00	4/18/2018	18:26	<1.0 <sup>E</sup>	µg/L	<1.0	µg/L
Acrolein <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<1.0 <sup>E</sup>	µg/L	<1.0	µg/L
Acrylonitrile <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Benzene <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Bromodichloromethane <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Bromoform <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L



Bromomethane <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Carbon tetrachloride <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Chlorobenzene <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Chloroethane <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Chloroform <sup>B,D</sup>	EPA 624			4/12/2018	22:55	2.00 <sup>E</sup>	µg/L	<0.5	µg/L
Chloromethane <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Di-n-octyl phthalate <sup>B,D</sup>	EPA 625	4/17/2018	0:00	4/18/2018	18:26	<1.00 <sup>E</sup>	µg/L	<1.00	µg/L
Dibromochloromethane <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Dichloromethane <sup>B,D</sup>	EPA 624			4/12/2018	22:55	1.00 <sup>E</sup>	µg/L	<0.5	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608	4/11/2018	0:00	4/16/2018	17:33	<0.02 <sup>E</sup>	µg/L	<0.02	µg/L
Ethylbenzene <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Tetrachloroethene <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Toluene <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
trans-1,2-Dichloroethene <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
trans-1,3-Dichloropropene <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Trichloroethene <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Vinyl chloride <sup>B,D</sup>	EPA 624			4/12/2018	22:55	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L

Data Qualifiers:

1,1,1-Trichloroethane	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
1,1,2,2-Tetrachloroethane	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
1,1,2-Trichloroethane	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
1,1-Dichloroethane	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
1,1-Dichloroethene	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
1,2-Dichlorobenzene	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
1,2-Dichloroethane	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.

1,2-Dichloropropane	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
1,3-Dichlorobenzene	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
1,4-Dichlorobenzene	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
2-Chloroethyl vinyl ether	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
2-Chloronaphthalene	The recovery of LCS is 42%, which is outside the acceptance limits of 60-118%. Results may have greater uncertainty.
Acrolein	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Acrylonitrile	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Benzene	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Bromodichloromethane	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Bromoform	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Bromomethane	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Carbon tetrachloride	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Chlorobenzene	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Chloroethane	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Chloroform	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Chloromethane	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Di-n-octyl phthalate	Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the confirmation of the low level standard.
Dibromochloromethane	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Dichloromethane	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Endrin aldehyde	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.

Ethylbenzene	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Tetrachloroethene	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Toluene	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
trans-1,2-Dichloroethene	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
trans-1,3-Dichloropropene	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Trichloroethene	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Vinyl chloride	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.

WW180413-006

Composite 24h 04/13/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
2-Chloronaphthalene <sup>B,D</sup>	EPA 625	4/17/2018	0:00	4/18/2018	20:46	<1.00 <sup>E</sup>	µg/L	<1.00	µg/L
Di-n-octyl phthalate <sup>B,D</sup>	EPA 625	4/17/2018	0:00	4/18/2018	20:46	<1.00 <sup>E</sup>	µg/L	<1.00	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608	4/16/2018	0:00	4/17/2008	22:02	<0.02 <sup>E</sup>	µg/L	<0.02	µg/L
TKN	SM 4500 Norg D	4/21/2018	9:55	4/23/2018	16:00	10	mg/L as N	1.0	mg/L as N


Data Qualifiers:

2-Chloronaphthalene	The recovery of LCS is 55%, which is outside the acceptance limits of 60-118%. Results may have greater uncertainty.
Di-n-octyl phthalate	Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the confirmation of the low level standard.
Endrin aldehyde	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
TKN	Laboratory Fortified Matrix (LFM) recovery is 73%. Acceptance limits are 90-110%.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:   
Signature: \_\_\_\_\_  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 5/21/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20180521-005  
 Report Date: 05/21/2018

NE WET Testing Grab

WW180408-019

Grab 04/08/2018 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,2-Dichloroethane <sup>B,D</sup>	EPA 624			4/11/2018	1:09	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Chloroform <sup>B,D</sup>	EPA 624			4/11/2018	1:09	2.30 <sup>E</sup>	µg/L	<0.5	µg/L
Dibromochloromethane <sup>B,D</sup>	EPA 624			4/11/2018	1:09	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Tetrachloroethene <sup>B,D</sup>	EPA 624			4/11/2018	1:09	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Trichloroethene <sup>B,D</sup>	EPA 624			4/11/2018	1:09	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L

Data Qualifiers:

1,2-Dichloroethane	The surrogate associated with this sample was above-established acceptance criteria. Data may biased high.
Chloroform	The surrogate associated with this sample was above-established acceptance criteria. Data may biased high.
Dibromochloromethane	The surrogate associated with this sample was above-established acceptance criteria. Data may biased high.
Tetrachloroethene	The surrogate associated with this sample was above-established acceptance criteria. Data may biased high.
Trichloroethene	The surrogate associated with this sample was above-established acceptance criteria. Data may biased high.

WW180410-021

Grab 04/10/2018 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,2-Dichloroethane <sup>B,D</sup>	EPA 624			4/12/2018	22:28	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Chloroform <sup>B,D</sup>	EPA 624			4/12/2018	22:28	2.30 <sup>E</sup>	µg/L	<0.5	µg/L
Dibromochloromethane <sup>B,D</sup>	EPA 624			4/12/2018	22:28	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Tetrachloroethene <sup>B,D</sup>	EPA 624			4/12/2018	22:28	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L
Trichloroethene <sup>B,D</sup>	EPA 624			4/12/2018	22:28	<0.5 <sup>E</sup>	µg/L	<0.5	µg/L

Data Qualifiers:

1,2-Dichloroethane	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Chloroform	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Dibromochloromethane	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Tetrachloroethene	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.
Trichloroethene	The surrogate associated with this sample was above-established acceptance criteria. Data may be biased high.

Legend

A - Results reported on a basis other than as received, e.g. dry weight.

B - Tests performed are not covered by BLS's scope of accreditation.


C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 5/21/2018



Debra A. McCarty, Water Commissioner

June 28, 2018

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for May 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 05/01/2018-05/31/2018

**Report Due Date:** 06/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 103706

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for May 2018

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..



# PERMIT NEWPCP - MAY 2018 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD <sub>5</sub>		LBS	LBS***	CBOD
			EFF (mg/L)	SS% REM	SS%** REM	CBOD5					CBOD5**	20			

S	04/29/2018	217	183	34	81	61,643		147	20	86	36,261			
M	04/30/2018	175	186	10	95	14,560		120	6	95	8,736			
T	05/01/2018	175	209	10	95	14,604		133	6	95	8,763			
W	05/02/2018	169	195	12	94	16,932		129	7	95	9,877			17
Th	05/03/2018	168	220	14	94	19,618		131	9	93	12,612			
F	05/04/2018	171	187	19	90	27,132		136	10	93	14,280			NM
S	05/05/2018	173	190	17	91	24,495		128	8	94	11,527			
Su	05/06/2018	168	206	17	92	23,784		139	13	91	18,187			
M	05/07/2018	172	221	14	94	20,097		143	7	95	10,048			29
T	05/08/2018	166	229	12	95	16,609		143	8	94	11,073			
W	05/09/2018	169	225	19	92	26,816		152	10	93	14,114			22
Th	05/10/2018	170	235	33	86	46,705		150	15	90	21,229			
F	05/11/2018	174	211	13	94	18,912		138	8	94	11,638			
S	05/12/2018	182	279	25	91	38,007		177	12	93	18,244			
Su	05/13/2018	245	276	29	89	59,149		120	18	85	36,713			
M	05/14/2018	247	154	43	72	88,572		105	16	85	32,957			37
T	05/15/2018	179	157	21	87	31,289		123	10	92	14,899			
W	05/16/2018	207	224	41	82	70,775		118	18	85	31,072			32
Th	05/17/2018	247	189	63	67	129,752		105	21	80	43,251			
F	05/18/2018	245	201	23	89	47,048		114	10	91	20,456			
S	05/19/2018	210	168	41	76	71,729		109	18	83	31,491			
Su	05/20/2018	258	133	21	84	45,221		83	9	89	19,380			
M	05/21/2018	194	169	38	78	61,530		120	14	88	22,669			31
T	05/22/2018	184	240	38	84	58,187		152	15	90	22,968			
W	05/23/2018	219	199	68	66	124,250		145	25	83	45,680			44
Th	05/24/2018	191	236	32	86	51,092		144	12	92	19,159			
F	05/25/2018	190	238	37	84	58,609		151	13	91	20,592			
S	05/26/2018	192	180	15	92	24,050		116	6	95	9,620			
Su	05/27/2018	231	237	22	91	42,344		128	8	94	15,398			
M	05/28/2018	269	193	21	89	47,153		92	8	91	17,963			22
T	05/29/2018	207	125	7	94	12,101		106	3	97	5,186			
W	05/30/2018	202	185	17	91	28,701		109	5	95	8,441			15
Th	05/31/2018	174	129	43	67	62,529		124	10	92	14,542			

TOTAL	6,150	6,240						3,963						
AVERAGE	198	201	27	86	45,413			128	11	91	19,162			28

Wk1	178	196	17	91	25,569			132	9	93	14,579			
Wk2	172	229	19	92	27,276			149	10	93	14,933			
Wk3	226	196	37	80	71,188			113	16	86	30,120			
Wk4	204	199	36	82	60,420			130	13	90	22,867			

MAX 269

CBOD 20 LBS-- 48,185

NPDES/D LIMITS	MO	<30	>85	<52,540	<25	>86	<36,430
	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.

\*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.

\*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.

(a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - MAY 2018**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
T 05/01/2018	175	6.9	6.9	6.0	0.22	6		
W 05/02/2018	169	7.0	6.9	5.9	0.28	7		
Th 05/03/2018	168	7.2	7.1	5.8	0.24	12		
F 05/04/2018	171	6.9	6.9	6.0	0.29	4		
S 05/05/2018	173	7.0	7.0	6.0	0.27	1		
Su 05/06/2018	168	7.0	7.0	5.9	0.28	2		
M 05/07/2018	172	6.8	6.9	4.6	0.30	5		
T 05/08/2018	166	7.0	7.0	4.5	0.24	5		
W 05/09/2018	169	6.9	6.9	4.2	0.27	148		
Th 05/10/2018	170	6.9	6.9	4.4	0.26	146		
F 05/11/2018	174	6.9	6.9	5.7	0.25	1		
S 05/12/2018	182	6.9	6.9	4.3	0.33	> 2,420		
Su 05/13/2018	245	6.7	6.7	6.2	0.38	5		
M 05/14/2018	247	6.8	6.7	6.6	0.29	2		
T 05/15/2018	179	6.8	6.8	6.0	0.30	148		
W 05/16/2018	207	6.8	6.8	5.9	0.37	3		
Th 05/17/2018	247	6.8	6.7	5.4	0.68	2		
F 05/18/2018	245	6.9	6.9	5.8	0.33	2		
S 05/19/2018	210	6.7	6.7	4.5	0.35	5		
Su 05/20/2018	258	6.9	6.9	4.8	0.34	2		
M 05/21/2018	194	6.8	6.8	4.1	0.28	7		
T 05/22/2018	184	6.9	6.9	4.3	0.28	159		
W 05/23/2018	219	6.8	6.8	4.1	0.28	9		
Th 05/24/2018	191	6.8	6.8	4.5	0.24	8		
F 05/25/2018	190	6.9	6.9	5.2	0.27	4		
S 05/26/2018	192	7.0	7.0	6.0	0.39	1		
Su 05/27/2018	231	6.9	6.9	4.9	0.46	12		
M 05/28/2018	269	6.9	6.9	6.2	0.37	9		
T 05/29/2018	207	6.9	6.9	6.2	0.43	2		
W 05/30/2018	202	6.9	6.9	6.2	0.29	< 1		
Th 05/31/2018	174	6.9	6.8	6.3	0.30	1		
TOTAL	6,150	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	198	6.7	7.2	4.1	5.3	0.32	0.68	MEAN
								7

Wk1 178  
Wk2 172  
Wk3 226  
Wk4 204

**MAX** 269

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - MAY 2018  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
05/01/2018	0.25	0.19	0.22	5.8	6.2	6.0	12	3	6
05/02/2018	0.33	0.23	0.28	5.7	6.0	5.9	6	9	7
05/03/2018	0.27	0.21	0.24	5.8	5.8	5.8	8	17	12
05/04/2018	0.30	0.27	0.29	5.8	6.1	6.0	7	2	4
05/05/2018	0.31	0.22	0.27	5.8	6.2	6.0	2	1	1
05/06/2018	0.32	0.24	0.28	5.7	6.1	5.9	< 1	5	2
05/07/2018	0.32	0.28	0.30	4.5	4.7	4.6	4	6	5
05/08/2018	0.24	0.23	0.24	4.2	4.7	4.5	5	5	5
05/09/2018	0.29	0.25	0.27	4.0	4.3	4.2	159	138	148
05/10/2018	0.27	0.25	0.26	4.2	4.5	4.4	143	148	146
05/11/2018	0.28	0.21	0.25	5.6	5.7	5.7	1	2	1
05/12/2018	0.34	0.32	0.33	4.2	4.3	4.3	> 2,420	> 2,420	> 2,420
05/13/2018	0.39	0.36	0.38	6.1	6.2	6.2	6	4	5
05/14/2018	0.28	0.30	0.29	6.4	6.7	6.6	2	3	2
05/15/2018	0.32	0.27	0.30	5.8	6.1	6.0	143	154	148
05/16/2018	0.37	0.36	0.37	5.8	5.9	5.9	4	2	3
05/17/2018	0.77	0.59	0.68	5.3	5.4	5.4	1	4	2
05/18/2018	0.42	0.24	0.33	5.8	5.7	5.8	1	4	2
05/19/2018	0.43	0.27	0.35	4.3	4.6	4.5	6	4	5
05/20/2018	0.35	0.32	0.34	4.7	4.8	4.8	2	2	2
05/21/2018	0.25	0.31	0.28	4.1	4.1	4.1	8	5	7
05/22/2018	0.26	0.30	0.28	4.0	4.6	4.3	159	159	159
05/23/2018	0.29	0.27	0.28	4.0	4.2	4.1	15	5	9
05/24/2018	0.24	0.24	0.24	4.5	4.5	4.5	6	10	8
05/25/2018	0.28	0.26	0.27	5.2	5.1	5.2	3	5	4
05/26/2018	0.45	0.32	0.39	5.9	6.0	6.0	1	2	1
05/27/2018	0.50	0.42	0.46	5.0	4.8	4.9	24	6	12
05/28/2018	0.44	0.29	0.37	6.0	6.3	6.2	11	9	9
05/29/2018	0.48	0.37	0.43	6.2	6.2	6.2	1	5	2
05/30/2018	0.32	0.26	0.29	6.1	6.2	6.2	< 1	< 1	< 1
05/31/2018	0.35	0.24	0.30	6.1	6.5	6.3	< 1	1	1
Avg	0.35	0.29	0.32	5.2	5.4	5.3	7	7	7

# PERMIT NEWPCP - MAY 2018

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
05/01/2018			
05/02/2018	130	13	90%
05/03/2018			
05/04/2018	140	30	79%
05/05/2018			
05/06/2018			
05/07/2018	138	24	83%
05/08/2018			
05/09/2018	150	31	79%
05/10/2018			
05/11/2018			
05/12/2018			
05/13/2018			
05/14/2018	97	42	57%
05/15/2018			
05/16/2018	113	39	65%
05/17/2018			
05/18/2018			
05/19/2018			
05/20/2018			
05/21/2018	116 >	41	65%
05/22/2018			
05/23/2018	131 >	38	71%
05/24/2018			
05/25/2018			
05/26/2018			
05/27/2018			
05/28/2018	98	23	77%
05/29/2018			
05/30/2018	112	19	83%
05/31/2018			
AVG	123	30	75%

DESIGN - 210 MGD

<b>NEWPCP - MAY 2018</b>						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
05/01/2018	49	95	31	175	218	
05/02/2018	48	90	31	169	220	
05/03/2018	48	88	32	168	198	
05/04/2018	48	93	30	171	219	
05/05/2018	47	95	31	173	198	T
05/06/2018	47	91	30	168	204	T
05/07/2018	48	95	30	172	210	
05/08/2018	46	90	30	166	214	
05/09/2018	46	92	31	169	213	
05/10/2018	45	94	31	170	203	T
05/11/2018	45	98	32	174	271	T
05/12/2018	52	94	36	182	415	1.49
05/13/2018	77	127	40	245	423	0.49
05/14/2018	72	129	46	247	423	
05/15/2018	48	98	33	179	216	0.55
05/16/2018	62	108	37	207	381	0.25
05/17/2018	70	128	49	247	450	0.36
05/18/2018	70	131	44	245	408	0.02
05/19/2018	59	109	42	210	386	0.74
05/20/2018	78	137	43	258	412	0.01
05/21/2018	52	108	35	194	264	
05/22/2018	49	101	33	184	234	0.35
05/23/2018	67	113	39	219	404	
05/24/2018	49	109	33	191	240	
05/25/2018	48	108	34	190	243	
05/26/2018	48	110	34	192	224	0.85
05/27/2018	52	139	40	231	256	0.08
05/28/2018	71	150	48	269	462	
05/29/2018	49	123	35	207	272	
05/30/2018	48	121	34	202	229	
05/31/2018	47	95	32	174	233	0.02
<b>TOTAL</b>	<b>1,684</b>	<b>3,359</b>	<b>1,107</b>	<b>6,150</b>		<b>5.21</b>
<b>AVG</b>	<b>54</b>	<b>108</b>	<b>36</b>	<b>198</b>		
			<b>MIN</b>	<b>166</b>	<b>198</b>	
			<b>MAX</b>	<b>269</b>	<b>462</b>	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>
PERMIT NUMBER

<b>001</b>
OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **05/01/2018**  
 DMR Effective To: **05/31/2018**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge? **No**

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2018	05	01	TO	2018	05	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen	Sample Measurement	***	***	***	4.1	5.3	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.7	***	7.2	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	45413	71188	lbs/day	***	27	37	mg/L	24-Hr Composite	1/day
	Permit Measurement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	7.24	10.60	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrite an N	Sample Measurement	***	***	***	***	.383	.590	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	.680	1.230	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	10.44	12.90	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Phosphorus	Sample Measurement	***	***	***	***	.889	1.853	mg/L	24-Hr Composite	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Chloroform	Sample Measurement	***	***	***	***	.0035	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Phenolics, Total	Sample Measurement	***	***	***	***	<.050	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Chlorodibromomethane	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0100	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Total	Sample Measurement	***	***	***	***	.8590	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0700	***	mg/L	24-Hr Composite	1/day
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total	Sample Measurement	***	***	***	***	.0490	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	198	269	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.32	.68	mg/L	Grab	1/day
	Permit Measurement	***	***	***	***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0005	***	mg/L	Grab	1/month
	Permit Measurement	***	***	***	***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	7	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***	***	***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	19162	30120	lbs/day	***	11	16	mg/L	24-Hr Composite	1/day
	Permit Measurement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	48185	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	71760 Avg Mo	***	***	***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	91	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	86	***	***		24-Hr Composite	1/day
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***	***	86	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***	***	85	***	***		24-Hr Composite	1/day
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
E-NPDES NE-201805.xls	Daily Effluent Monitoring Form	2018-06-28T12:07:45-04:00	
BLSNE201805.xls	Nutrient Monitoring Form	2018-06-28T12:08:21-04:00	
201805SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-06-28T12:09:01-04:00	
NE Daily Composite (06-25-2018).pdf	Laboratory Accreditation Form	2018-06-28T12:11:24-04:00	
NE Daily Composite 2 (06-25-2018).pdf	Laboratory Accreditation Form	2018-06-28T12:11:48-04:00	
NE Daily Grab (06-25-2018).pdf	Laboratory Accreditation Form	2018-06-28T12:12:15-04:00	
NECSO 201805.xls	CSO Detailed Outfall Report Form	2018-06-28T12:09:31-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point ID	Cause Of NC	Corrective Action	Comments

**UNAUTHORISED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
			AREA CODE	NUMBER	2018	6	28
SENSSM		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
**Northeast Water Pollution Control Plant**  
**NPDES SUMMARY FOR THE MONTH OF MAY 2018**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
05/02/2018	0.341	0.533	10.60	11.00	0.466
05/09/2018	0.420	0.526	8.37	11.40	0.671
05/16/2018	0.510	0.859	6.29	9.88	1.113
05/23/2018	0.055 <	0.250	5.01	12.90	1.853
05/30/2018	0.590	1.230	5.95	7.02	0.342
<b>AVG</b>	0.383	0.680	7.24	10.44	0.889
<b>MAX</b>	0.590	1.230	10.60	12.90	1.853

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
05/03/2018	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	
05/09/2018	
Copper	0.0100
Iron	0.8590
Iron Dissolved	0.0700
Lead	< 0.0030
Zinc	0.0490

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	
05/08/2018	
1,2-Dichloroethane	< 0.0005
Chloroform	0.0035
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
MAY 2018	Sludge Flow To	Sludge Processed by		Sludge Flow To	Sludge Processed by	
	Biosolids Recycle Center / Synagro From NEWPCP	Biosolids Recycle Center / Synagro		Biosolids Recycle Center / Synagro From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD	DT	MGD	MGD	DT
05/01/2018	0.910	0.958	118.06	1.005	1.372	136.6
05/02/2018	0.910	0.494	57.67	1.119	1.091	110.0
05/03/2018		0.271	28.04	1.221	1.163	105.7
05/04/2018	0.900	1.311	146.26	1.256	1.131	102.9
05/05/2018	0.890	0.963	108.00	1.301	1.375	128.2
05/06/2018		0.018	1.23	1.049	1.191	111.7
05/07/2018	0.880	0.391	41.25	1.122	0.814	80.0
05/08/2018	0.900	0.872	93.08	0.665	0.945	79.8
05/09/2018	0.900	1.121	115.36	1.903	1.680	154.8
05/10/2018		0.242	24.88	1.315	1.404	125.8
05/11/2018	0.900	0.771	63.03	1.127	1.271	109.0
05/12/2018	0.890	1.048	114.12	1.139	1.012	87.7
05/13/2018	0.910	0.851	86.81	1.181	1.277	117.3
05/14/2018	0.730	0.737	80.63	1.553	1.327	137.3
05/15/2018		-	-	1.470	1.370	140.8
05/16/2018	0.900	0.453	46.27	0.685	1.028	102.8
05/17/2018	0.910	0.978	108.91	1.513	1.441	126.0
05/18/2018		0.384	39.43	2.408	2.247	188.0
05/19/2018	0.910	0.055	6.68	1.261	1.487	149.9
05/20/2018	0.920	1.766	220.52	0.910	0.709	78.0
05/21/2018		-	-	1.251	1.411	163.8
05/22/2018		0.679	98.73	1.194	1.094	112.0
05/23/2018	0.850	0.233	28.99	0.293	0.222	21.4
05/24/2018	0.920	0.448	59.06	0.160	0.438	46.4
05/25/2018	0.930	1.234	125.83	0.960	0.811	77.7
05/26/2018	0.680	0.934	91.35	1.119	1.146	90.4
05/27/2018	-	0.763	84.17	1.154	1.273	122.4
05/28/2018	0.910	-	-	2.185	2.041	200.0
05/29/2018	0.914	0.572	64.25	1.464	1.553	159.4
05/30/2018		0.347	39.29	1.094	1.248	115.8
05/31/2018	-	-	-	1.328	1.354	127.6
<b>TOTAL</b>	18.564	18.893	2,092	37.404	37.925	3,609
<b>AVERAGE</b>	0.807	0.609	75	1.207	1.223	116

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20180625-001  
 Report Date: 06/22/2018

NE Daily Composite

WW180531-010

Composite 24h 05/31/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/31/2018	8:00	5/31/2018	10:18	156	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 90 to 110%.
------------------------	--

WW180531-011

Composite 24h 05/31/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/31/2018	8:00	5/31/2018	10:18	213	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 90 to 110%.
------------------------	--

WW180531-012

Composite 24h 05/31/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/31/2018	8:00	5/31/2018	10:18	145	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 90 to 110%.
------------------------	--

WW180531-013

Composite 24h 05/31/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	5/31/2018	7:32	5/31/2018	9:50	43	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total

Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 90 to 110%.

Legend

A - Results reported on a basis other than as received, e.g. dry weight.

B - Tests performed are not covered by BLS's scope of accreditation.

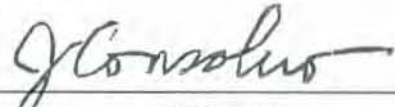
C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo

Title: Laboratory Manager

Date: 6/22/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20180625-002  
 Report Date: 06/22/2018

NE Daily Composite 2

WW180502-015

Composite 24h 05/02/2018 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	5/7/2018	11:43	5/11/2018	11:42	11	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 133%. Acceptance limits are 90-110%.
-----	--

WW180523-015

Composite 24h 05/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	6/12/2018	12:05	6/15/2018	10:25	12.9	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 178%. Acceptance limits are 90-110%.
-----	--

WW180530-015

Composite 24h 05/30/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	6/16/2018	9:20	6/19/2018	10:07	7.02	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 123%. Acceptance limits are 90-110%.
-----	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
 Signature:



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 6/22/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report: NPW20180625-003  
 Report Date: 06/22/2018

WW180510-001

Grab 05/10/2018 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			5/10/2018	9:35	0.27	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 35%. The maximum acceptable RPD is 15%. The measured results were 0.08 and 0.12 mg/L.
-------------------------	--

WW180510-002

Grab 05/10/2018 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			5/10/2018	9:35	0.25	mg/L	0.05	mg/L

Data Qualifiers:

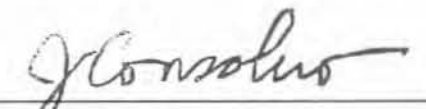
Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 35%. The maximum acceptable RPD is 15%. The measured results were 0.08 and 0.12 mg/L.
-------------------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 6/22/2018



Debra A. McCarty, Water Commissioner

July 26, 2018

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for June 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 06/01/2018-06/30/2018

**Report Due Date:** 07/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 107582

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for June 2018

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..



# PERMIT

## NEWPCP - JUNE 2018

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 LBS*** (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	

F	06/01/2018	195	221	24	89	39,021	129	6	95	9,755	
S	06/02/2018	172	227	8	96	11,509	100	4	96	5,754	
Su	06/03/2018	228	189	47	75	89,501	92	12	87	22,851	
M	06/04/2018	265	97	29	70	64,112	80	13	84	28,740	32
T	06/05/2018	203	143	20	86	33,925	91	8	91	13,570	
W	06/06/2018	197	342	20	94	32,896	137	7	95	11,514	17
Th	06/07/2018	178	185	12	94	17,841	110	5	95	7,434	
F	06/08/2018	188	143	10	93	15,654	121	4	97	6,262	
S	06/09/2018	185	235	23	90	35,502	138	8	94	12,349	
Su	06/10/2018	190	785	31	96	49,138	360	16	96	25,362	
M	06/11/2018	296	269	82	70	202,709	144	56	61	138,435	59
T	06/12/2018	312	185	59	68	153,724	113	16	86	41,688	
W	06/13/2018	227	150	45	70	85,039	102	12	88	22,677	29
Th	06/14/2018	219	144	34	76	62,156	97	11	89	20,109	
F	06/15/2018	219	171	19	89	34,771	114	12	89	21,961	
S	06/16/2018	219	170	53	69	96,780	115	18	84	32,869	
Su	06/17/2018	216	300	21	93	37,818	122	9	93	16,208	
M	06/18/2018	242	133	11	92	22,178	119	4	97	8,065	14
T	06/19/2018	224	271	11	96	20,541	140	6	96	11,204	
W	06/20/2018	200	202	9	96	14,980	113	4	96	6,658	11
Th	06/21/2018	194	230	5	98	8,098	135	4	97	6,478	
F	06/22/2018	198	254	6	98	9,893	151	4	97	6,596	
S	06/23/2018	207	301	7	98	12,090	159	4	97	6,909	
Su	06/24/2018	200	192	4	98	6,685	122	3	98	5,014	
M	06/25/2018	219	227	5	98	9,133	121	5	96	9,133	13
T	06/26/2018	192	206	2	99	3,210	124	3	98	4,815	
W	06/27/2018	188	213	2	99	3,137	124	3	98	4,706	11
Th	06/28/2018	173	246	4	98	5,756	147	5	97	7,195	
F	06/29/2018	176	262	4	98	5,856	131	5	96	7,320	
S	06/30/2018	163	231	3	99	4,085	121	3	98	4,085	

TOTAL	6,287	6,924					3,872				
AVERAGE	210	231	20	89	39,591		129	9	93	17,524	23

Wk1	206	191	23	86	41,347	110	8	92	14,674
Wk2	240	268	46	77	97,760	149	20	85	43,300
Wk3	211	242	10	96	17,943	134	5	96	8,874
Wk4	187	225	3	98	5,409	127	4	97	6,038

MAX 312

CBOD 20 LBS-- 48,337

NPDES/D  
LIMITS

MO	<30	>85	<52,540	<25	>86	<36,430
WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.

\*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.

\*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.

(a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - JUNE 2018**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
F 06/01/2018	195	7.0	6.7	5.8	0.29	11		
S 06/02/2018	172	6.9	6.9	6.0	0.29	1		
Su 06/03/2018	228	6.5	6.6	6.2	0.27	1		
M 06/04/2018	265	6.5	6.5	5.3	0.28	14		
T 06/05/2018	203	6.8	6.8	4.6	0.24	33		
W 06/06/2018	197	6.8	6.8	5.0	0.26	4		
Th 06/07/2018	178	6.8	6.8	4.9	0.25	2		
F 06/08/2018	188	6.7	6.7	4.7	0.29	9		
S 06/09/2018	185	6.9	6.8	4.9	0.31	2		
Su 06/10/2018	190	6.8	6.8	5.9	0.37	194		
M 06/11/2018	296	6.7	6.8	4.6	0.52	144		
T 06/12/2018	312	6.7	6.8	6.2	0.42	3		
W 06/13/2018	227	6.7	6.8	5.8	0.33	100		
Th 06/14/2018	219	6.7	6.8	5.7	0.53	144		
F 06/15/2018	219	6.9	6.9	5.6	0.34	> 2,420		
S 06/16/2018	219	6.9	6.9	5.4	0.35	196		
Su 06/17/2018	216	6.9	6.9	5.6	0.45	3		
M 06/18/2018	242	7.0	6.9	5.2	0.41	3		
T 06/19/2018	224	7.1	6.9	4.7	0.53	3		
W 06/20/2018	200	6.8	6.8	4.4	0.44	1		
Th 06/21/2018	194	6.9	6.9	4.3	0.46	1		
F 06/22/2018	198	6.8	6.8	4.4	0.55	5		
S 06/23/2018	207	6.9	6.8	4.7	0.41	2		
Su 06/24/2018	200	7.0	7.0	5.7	0.42	2		
M 06/25/2018	219	6.8	6.8	5.9	0.44	1		
T 06/26/2018	192	7.0	7.0	5.9	0.48	1		
W 06/27/2018	188	7.0	6.9	5.9	0.46	3		
Th 06/28/2018	173	7.1	7.0	3.9	0.60	152		
F 06/29/2018	176	6.9	6.9	6.0	0.46	1		
S 06/30/2018	163	6.8	6.8	5.7	0.57	2		
TOTAL	6,287	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	210	6.5	7.1	3.9	5.3	0.40	0.60	MEAN
								8

Wk1 206  
Wk2 240  
Wk3 211  
Wk4 187

**MAX** 312

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - JUNE 2018  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
06/01/2018	0.37	0.21	0.29	5.8	5.7	5.8	8	16	11
06/02/2018	0.33	0.25	0.29	6.0	5.9	6.0	1 <	1	1
06/03/2018	0.30	0.24	0.27	6.1	6.2	6.2	2	1	1
06/04/2018	0.33	0.23	0.28	5.6	4.9	5.3	17	12	14
06/05/2018	0.30	0.18	0.24	4.8	4.4	4.6	7	152	33
06/06/2018	0.31	0.21	0.26	5.0	4.9	5.0	2	6	4
06/07/2018	0.30	0.20	0.25	5.1	4.7	4.9	< 1	3	2
06/08/2018	0.34	0.23	0.29	4.7	4.6	4.7	6	13	9
06/09/2018	0.35	0.27	0.31	5.1	4.7	4.9	3	1	2
06/10/2018	0.40	0.34	0.37	5.9	5.9	5.9	152	248	194
06/11/2018	0.52	0.52	0.52	4.4	4.7	4.6	141	146	144
06/12/2018	0.41	0.42	0.42	6.2	6.1	6.2	4	2	3
06/13/2018	0.32	0.34	0.33	5.7	5.8	5.8	4 >	2,420	100
06/14/2018	0.61	0.44	0.53	5.6	5.7	5.7	141	146	144
06/15/2018	0.34	0.34	0.34	5.6	5.6	5.6	> 2,420 >	2,420 >	2,420
06/16/2018	0.32	0.37	0.35	5.4	5.4	5.4	196	196	196
06/17/2018	0.44	0.46	0.45	5.5	5.7	5.6	1	8	3
06/18/2018	0.43	0.39	0.41	5.1	5.3	5.2	3	3	3
06/19/2018	0.52	0.53	0.53	4.8	4.6	4.7	2	4	3
06/20/2018	0.44	0.43	0.44	4.4	4.3	4.4	1	2	1
06/21/2018	0.53	0.38	0.46	4.3	4.3	4.3	2	1	1
06/22/2018	0.53	0.56	0.55	4.4	4.4	4.4	4	5	5
06/23/2018	0.44	0.37	0.41	4.7	4.7	4.7	3	1	2
06/24/2018	0.41	0.42	0.42	5.6	5.7	5.7	1	3	2
06/25/2018	0.42	0.46	0.44	5.7	6.0	5.9	1	2	1
06/26/2018	0.47	0.48	0.48	5.8	5.9	5.9	1	2	1
06/27/2018	0.49	0.42	0.46	5.7	6.0	5.9	5	2	3
06/28/2018	0.60	0.59	0.60	3.8	4.0	3.9	159	146	152
06/29/2018	0.48	0.44	0.46	5.9	6.1	6.0	1	1	1
06/30/2018	0.55	0.58	0.57	5.6	5.8	5.7	< 1	3	2
Avg	0.42	0.38	0.40	5.3	5.3	5.3	6	10	8

**PERMIT  
NEWPCP - JUNE 2018**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
06/01/2018			
06/02/2018			
06/03/2018			
06/04/2018	87	37	57%
06/05/2018			
06/06/2018	137	25	82%
06/07/2018			
06/08/2018			
06/09/2018			
06/10/2018			
06/11/2018	143	41	71%
06/12/2018			
06/13/2018	93	34	63%
06/14/2018			
06/15/2018			
06/16/2018			
06/17/2018			
06/18/2018	111	11	90%
06/19/2018			
06/20/2018	125	8	94%
06/21/2018			
06/22/2018			
06/23/2018			
06/24/2018			
06/25/2018	126	7	94%
06/26/2018			
06/27/2018	127	6	95%
06/28/2018			
06/29/2018			
06/30/2018			
AVG	119	21	81%

DESIGN - 210 MGD

<b>NEWPCP - JUNE 2018</b>						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
06/01/2018	63	95	37	195	335	0.06
06/02/2018	52	87	34	172	237	0.25
06/03/2018	69	113	47	228	436	0.61
06/04/2018	77	139	50	265	490	0.24
06/05/2018	60	106	37	203	345	
06/06/2018	61	99	37	197	384	
06/07/2018	49	96	33	178	224	
06/08/2018	48	104	35	188	221	
06/09/2018	48	105	33	185	229	0.01
06/10/2018	49	103	39	190	236	0.77
06/11/2018	78	157	62	296	526	0.69
06/12/2018	92	169	51	312	471	
06/13/2018	67	120	40	227	281	T
06/14/2018	63	119	38	219	260	
06/15/2018	59	119	42	219	264	
06/16/2018	56	125	38	219	263	
06/17/2018	55	121	40	216		
06/18/2018	55	149	38	242	254	
06/19/2018	61	123	40	224	397	T
06/20/2018	54	110	36	200	231	0.29
06/21/2018	52	107	35	194	230	T
06/22/2018	50	112	36	198	260	0.16
06/23/2018	52	116	39	207	335	0.01
06/24/2018	54	113	34	200	245	T
06/25/2018	65	118	35	219	430	
06/26/2018	51	107	34	192	250	
06/27/2018	51	102	34	188	224	T
06/28/2018	52	84	37	173	302	0.25
06/29/2018	61	76	39	176	382	
06/30/2018	45	84	34	163	228	
<b>TOTAL</b>	<b>1,746</b>	<b>3,380</b>	<b>1,162</b>	<b>6,287</b>		<b>3.34</b>
<b>AVG</b>	<b>58</b>	<b>113</b>	<b>39</b>	<b>210</b>		
			<b>MIN</b>	<b>163</b>	<b>221</b>	
			<b>MAX</b>	<b>312</b>	<b>526</b>	

\* ADJUSTED FOR RECYCLE.

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
**Northeast Water Pollution Control Plant**  
**NPDES SUMMARY FOR THE MONTH OF JUNE 2018**  
 Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)						
Northeast WPCP - Outfall						
Date	NO2 - N		NO3 - N	NH3 - N	TKN	P
06/06/2018	0.533		1.400	4.92	6.98	0.514
06/13/2018	0.667	<	0.250	5.23	8.71	0.991
06/20/2018	0.572		1.310	5.45	7.84	0.260
06/27/2018	0.583		1.300	6.70	7.82	0.214
<b>AVG</b>	0.589		1.065	5.58	7.84	0.495
<b>MAX</b>	0.667		1.400	6.70	8.71	0.991

Phenol Data (mg/L)		
Northeast WPCP - Outfall		
Date		Phenolics
06/07/2018	<	0.050

Metals Data (mg/L)		
Northeast WPCP - Outfall		
Date		06/06/2018
Copper		0.0100
Iron		1.3900
Iron Dissolved		0.0570
Lead	<	0.0030
Zinc		0.0340

Organics Data (mg/L)		
Northeast WPCP - Outfall		
Date		06/05/2018
1,2-Dichloroethane	<	0.0005
Chloroform		0.0076
Chlorodibromomethane	<	0.0005
Tetrachloroethylene	<	0.0005
Trichloroethylene	<	0.0005



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

**PA0026689**  
PERMIT NUMBER

**001**  
OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **06/01/2018**  
 DMR Effective To: **06/30/2018**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2018	06	01	TO	2018	06	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	3.9	5.3	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.5	***	7.1	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	39591	97760	lbs/day	***	20	46	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	5.58	6.70	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.589	.667	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	1.065	1.400	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	7.84	8.71	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.495	.991	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0076	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	<.050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0100	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	1.3900	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0570	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0340	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	210	312	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.40	.60	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	8	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	17524	43300	lbs/day	***	9	20	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	48337	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
<b>Facility Comments</b>										





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 06/01/2018  
 DMR Effective To: 06/30/2018  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2018	06	01	FROM	2018	06	30
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	93	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	89	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
BLSNE201806.xls	Nutrient Monitoring Form	2018-07-26T10:29:23-04:00	
SludgeDMR201806.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-07-26T10:31:16-04:00	
NE Daily Composite (07-23-2018).pdf	Laboratory Accreditation Form	2018-07-26T10:31:53-04:00	
NECSO 201806.xls	CSO Detailed Outfall Report Form	2018-07-26T10:30:50-04:00	
NE Daily Composite 2 (07-23-2018).pdf	Laboratory Accreditation Form	2018-07-26T10:32:18-04:00	
NE Outfall Monthly Grab (07-23-2018).pdf	Laboratory Accreditation Form	2018-07-26T10:32:54-04:00	
E-NPDES NE-201806.xls	Daily Effluent Monitoring Form	2018-07-26T10:28:52-04:00	
NE DMR Letter June 2018.docx	Cover Letter	2018-07-26T11:05:53-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point	Cause Of NC	Corrective Action	Comments
68228	06/01/2018	06/30/2018	Total Suspended Solids	Weekly Average	97760	78810	lbs/day	Final Effluent (001)	Organic load exceeding plant or unit design	See attached comments	Extremely high influent loading of 785 mg/l on 6/10 along with high flows in subsequent days resulted in exceeding weekly effluent solids concentration and loading. Efforts to adjust wasting rates were after the fact.
68229	06/01/2018	06/30/2018	Total Suspended Solids	Weekly Average	46	45	lbs/day	Final Effluent (001)	Organic load exceeding plant or unit design	See attached comments	Same comment as above.

**UNAUTHORIZED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments
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**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments
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**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
All permit requirements were met during the month except for the weekly suspended solids loading and weekly effluent suspended solids concentration due to a high influent loading to the facility on the 10th of the month. Please see the attached letter for more details. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
			215	-685-6258	2018	7	26
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
JUNE 2018	Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP	Sludge Processed by Biosolids Recycle Center / Synagro		Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP	Sludge Processed by Biosolids Recycle Center / Synagro	
	MGD	MGD	DT	MGD	MGD	DT
06/01/2018	0.936	0.358	37.73	1.340	1.084	109.8
06/02/2018	-	0.568	61.59	0.647	0.407	43.7
06/03/2018	0.919	0.704	78.73	0.602	0.821	66.1
06/04/2018	-	0.114	11.24	1.240	1.406	116.9
06/05/2018	-	-	-	1.838	1.831	165.5
06/06/2018	0.528	0.629	79.88	1.212	1.236	110.9
06/07/2018	0.623	0.651	63.95	0.929	0.861	84.5
06/08/2018	-	-	-	1.111	1.138	138.3
06/09/2018	0.837	0.568	69.11	0.925	0.959	89.5
06/10/2018	-	0.293	38.11	0.919	0.882	84.0
06/11/2018	0.814	0.750	158.92	1.100	0.763	70.4
06/12/2018	-	0.005	0.68	0.620	0.513	45.9
06/13/2018	0.937	0.937	98.12	1.275	1.555	138.8
06/14/2018	-	-	-	1.356	1.145	103.1
06/15/2018	0.902	0.952	104.22	1.085	1.021	91.0
06/16/2018	-	-	-	0.901	0.976	109.6
06/17/2018	0.890	0.990	129.08	0.929	1.184	111.8
06/18/2018	-	-	-	0.559	0.317	26.5
06/19/2018	0.941	0.668	83.91	0.955	0.793	65.5
06/20/2018	0.949	1.232	147.73	1.574	1.788	134.3
06/21/2018	0.880	0.875	114.91	0.950	1.011	97.8
06/22/2018	-	-	-	1.438	1.407	133.4
06/23/2018	0.889	0.949	87.85	0.985	0.968	74.8
06/24/2018	-	-	-	1.049	0.941	86.8
06/25/2018	0.878	0.789	83.12	0.606	0.535	54.9
06/26/2018	0.924	1.036	119.75	0.600	0.771	80.5
06/27/2018	-	-	-	0.769	0.503	49.6
06/28/2018	0.893	0.750	93.06	1.294	1.093	103.3
06/29/2018	0.916	0.609	73.41	0.618	1.147	98.9
06/30/2018	0.736	1.389	167.62	0.817	0.436	37.5
<b>TOTAL</b>	15.391	15.816	1,903	30.241	29.492	2,724
<b>AVERAGE</b>	0.513	0.527	63	1.008	0.983	91



Debra A. McCarty, Water Commissioner

Pennsylvania Department of Environmental Protection  
Clean Water Program  
2 East Main Street  
Norristown, PA 19401  
Attn: Tom Magge, Program Manager

July 26, 2018

Dear Mr. Magge,

The City of Philadelphia hereby submits the Discharge Monitoring Report for the Northeast Water Pollution Control Plant (NEWPCP) for June 2018. We regret to inform you that the plant failed to achieve compliance for all effluent parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit. In week two of the month, the plant exceeded both suspended solids weekly loading and weekly effluent concentration. The influent flow action level was not exceeded during the month.

On June 10<sup>th</sup>, an extraordinarily heavy plant influent entered the NEWPCP bringing in a high solid concentration of 785 mg/L (whereas 150-250 mg/L is typical) and a CBOD concentration of 360 mg/l (whereas 120 mg/l is typical). The exact cause of the influent slug is undetermined, but this high influent loading overwhelmed the facility. On the next day, June 11<sup>th</sup>, the total effluent solids loading was 202,709 lbs., at a concentration of 82 mg/L. This paired with high wet weather flows on June 11<sup>th</sup> and June 12<sup>th</sup>, (296 MGD and 312 MGD, respectively) put that week far over the compliance levels in effluent solids and concentration as this slug of influent solids washed out of the plant process. Unfortunately, these high plant flows were just below the permit relief threshold of 315 MGD.

Although the plant was experiencing higher than average dry weather flows and some solids retention in the system, plant operations were normal prior to and soon after the influent solids event, meeting all effluent parameters including multiple wet weather events. The plant is designed to treat the influent solids loading of 475,000 pounds per day, but the influent loading to the plant on June 10<sup>th</sup> was 1,244,000 pounds.

The plant made efforts to manage the high solids loading by adjusting wasting rates and making process changes as necessary, but this was after the fact and was not able to compensate for the extremely high influent solids loading on June 10<sup>th</sup>. There was additional evidence of the influent slug affecting the biology of the plant as evidenced by the reduction in MLSS (from 1700 mg/l to 1290 mg/l) and decrease in VS destruction in the digesters (below 30%) in the days following the event. By the end of the week the process was returning back to the typical operational parameters. By June 18<sup>th</sup>, the plant effluent was down to 11 mg/L with a 92% suspended solids capture.

Sincerely,

A handwritten signature in black ink that reads "Mary Ellen Senss". The signature is written in a cursive style with a large initial "M" and "E".

Mary Ellen Senss  
Waste Water Treatment Manager

Enclosures

Cc: D. Schwartz, D. Katz, J. Muldowney, A. Burger

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20180723-001  
 Report Date: 07/23/2018

NE Daily Composite

WW180606-012

Composite 24h 06/06/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	6/12/2018	12:05	6/15/2018	10:47	21.7	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 178%. Acceptance limits are 90-110%.
-----	--

WW180606-013

Composite 24h 06/06/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	6/12/2018	12:05	6/15/2018	10:48	20.5	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 178%. Acceptance limits are 90-110%.
-----	--

WW180606-014

Composite 24h 06/06/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	6/12/2018	12:05	6/15/2018	10:50	22	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 178%. Acceptance limits are 90-110%.
-----	--

WW180607-011

Composite 24h 06/07/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	6/7/2018	9:40	6/12/2018	6:25	99	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 80%. Acceptance limits are 85 to 115%.
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WW180607-012

Composite 24h 06/07/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	6/7/2018	9:40	6/12/2018	6:25	111	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 80%. Acceptance limits are 85 to 115%.
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WW180607-013

Composite 24h 06/07/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	6/7/2018	9:40	6/12/2018	6:25	131	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 80%. Acceptance limits are 85 to 115%.
-------	---

WW180607-014

Composite 24h 06/07/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	6/7/2018	9:40	6/12/2018	6:25	5	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 80%. Acceptance limits are 85 to 115%.
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WW180612-010

Composite 24h 06/12/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	6/12/2018	7:40	6/12/2018	9:48	152	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 90 to 110%.
------------------------	--

WW180612-011

Composite 24h 06/12/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	6/12/2018	7:40	6/12/2018	9:48	240	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 90 to 110%.
------------------------	--

WW180612-012

Composite 24h 06/12/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	6/12/2018	7:40	6/12/2018	9:48	196	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 90 to 110%.
------------------------	--

WW180612-013

Composite 24h 06/12/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	6/12/2018	7:15	6/12/2018	9:27	59	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 90 to 110%.
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WW180613-016

Composite 24h 06/13/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	6/16/2018	9:20	6/19/2018	10:30	16.9	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 123%. Acceptance limits are 90-110%.
-----	--

WW180613-017

Composite 24h 06/13/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	6/16/2018	9:20	6/19/2018	10:31	17.7	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 123%. Acceptance limits are 90-110%.
-----	--

WW180613-018

Composite 24h 06/13/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	6/16/2018	9:20	6/19/2018	10:33	16.3	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 123%. Acceptance limits are 90-110%.
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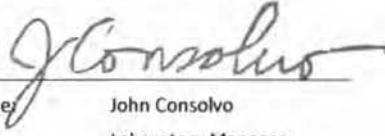


Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
Title: Laboratory Manager  
Date: 7/23/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite 2

Report: NPW20180723-002  
 Report Date: 07/23/2018

WW180606-015

Composite 24h 06/06/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	6/12/2018	12:05	6/15/2018	10:51	6.98	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 178%. Acceptance limits are 90-110%.
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WW180613-019

Composite 24h 06/13/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	6/16/2018	9:20	6/19/2018	10:34	8.71	mg/L as N	1.0	mg/L as N

Data Qualifiers:

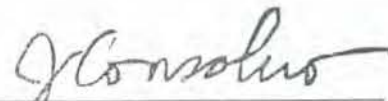
TKN	Laboratory Fortified Matrix (LFM) recovery is 123%. Acceptance limits are 90-110%.
-----	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 7/23/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Outfall Monthly Grab

Report: NPW20180723-003  
 Report Date: 07/23/2018

WW180605-006

Grab 06/05/2018 09:10

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,2-Dichloroethane <sup>B,D</sup>	EPA 624			6/7/2018	22:53	<0.5 <sup>E</sup>	µg/L	0.5	µg/L
Chloroform <sup>B,D</sup>	EPA 624			6/7/2018	22:53	7.60 <sup>E</sup>	µg/L	0.5	µg/L
Dibromochloromethane <sup>B,D</sup>	EPA 624			6/7/2018	22:53	<0.5 <sup>E</sup>	µg/L	0.5	µg/L
Tetrachloroethene <sup>B,D</sup>	EPA 624			6/7/2018	22:53	<0.5 <sup>E</sup>	µg/L	0.5	µg/L
Trichloroethene <sup>B,D</sup>	EPA 624			6/7/2018	22:53	<0.5 <sup>E</sup>	µg/L	0.5	µg/L


Data Qualifiers:

1,2-Dichloroethane	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high. The CCV for this analyte was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Chloroform	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Dibromochloromethane	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Tetrachloroethene	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high. The CCV for this analyte was below acceptance criteria. Results may have greater uncertainty.
Trichloroethene	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 7/23/2018



Debra A. McCarty, Water Commissioner

July 26, 2018

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for the period of April 2018 to June 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Quarterly

**Report Type:** DMR

**Reporting Period:** 04/01/2018-06/30/2018

**Report Due Date:** 07/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 107549

**Submission Status:** Received

**Submission Type:** Original



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF APRIL 2018**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**04/13/2018**

**Toxicity, Ceriodaphnia acute**

**1**

**Toxicity, Ceriodaphnia chronic**

**1**

**Toxicity, Pimphales acute**

**1**

**Toxicity, Pimphales chronic**

**1**



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Quarterly**  
 DMR Effective From: **04/01/2018**  
 DMR Effective To: **06/30/2018**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	<b>2018</b>	<b>04</b>	<b>01</b>	TO	<b>2018</b>	<b>06</b>	<b>30</b>

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival (61425)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Toxicity, Chronic - Ceriodaphnia Survival (61426)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Toxicity, Acute - Pimephales Survival (61427)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Chlordane (51032)	Sample Measurement	***	***	***	***	<.0005000	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
3,3-Dichlorobenzidine (34631)	Sample Measurement	***	***	***	***	<.0100	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Benzidine (39120)	Sample Measurement	***	***	***	***	<.0050	***	mg/L	3/quarter	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	Grab
4,4-DDT (39300)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
4,4-DDD (39310)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
4,4-DDE (39320)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
alpha-BHC (39336)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
beta-BHC (39338)	Sample Measurement	***	***	***	***	.0000200	***	mg/L	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
gamma-BHC (Lindane) (39344)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Dieldrin (39380)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Endrin (39390)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Heptachlor (39410)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Toxicity, Chronic - Pimephales Survival (61428)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comment
NE WET Testing Composite (05-21-2018).pdf	Laboratory Accreditation Form	2018-07-26T10:09:58-04:00	
BLSNE201804.xls	WET Test Summary Report	2018-07-26T10:08:26-04:00	
NE WET Testing Grab (05-21-2018).pdf	Laboratory Accreditation Form	2018-07-26T10:10:25-04:00	

**PERMIT VIOLATIONS**

Non Compliance ID	Event Begin Date	Event End Date	Parameter	Limit Type	Reported Value	Permitted Value	Load Units	Sampling Point	Cause Of NC	Corrective Action	Comments

**UNAUTHORIZED DISCHARGES**

Non Compliance ID	Event Begin Date	Event End Date	Time Discovered	Substance Discharged	Event Location	Volume	Duration	Receiving Waters	Impact On Water	Cause Of Discharge	DEP Notified	Comments

**OTHER PERMIT VIOLATIONS**

Non Compliance ID	Stage Code (Sampling Point)	Reported Parameter	Non Compliance Type	Comments

**COMMENTS DETAILS**

Comment	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly DMR data as required. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	215-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary Ellen Senss	TELEPHONE		DATE		
			215	-685-6258	2018	7	26
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY





Debra A. McCarty, Water Commissioner

August 28, 2018

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for July 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 07/01/2018-07/31/2018

**Report Due Date:** 08/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 111681

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for June 2018

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT

## NEWPCP - JULY 2018

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	

Su	07/01/2018	161	269	3	99	4,022	139	4	97	5,363	
M	07/02/2018	166	278	3	99	4,161	151	4	97	5,547	11
T	07/03/2018	167	172	4	98	5,572	137	5	96	6,965	
W	07/04/2018	179	271	5	98	7,449	156	5	97	7,449	
Th	07/05/2018	204	257	2	99	3,409	138	3	98	5,114	
F	07/06/2018	161	348	3	99	4,035	211	3	99	4,035	
S	07/07/2018	199	228	3	99	4,969	136	6	96	9,938	
Su	07/08/2018	154	247	2	99	2,564	160	2	99	2,564	
M	07/09/2018	150	191	3	98	3,744	140	3	98	3,744	
T	07/10/2018	147	316	4	99	4,909	100	2	98	2,455	
W	07/11/2018	166	325	3	99	4,156	178	2	99	2,771	10
Th	07/12/2018	167	271	2	99	2,794	179	2	99	2,794	
F	07/13/2018	164	349	4	99	5,463	233	3	99	4,098	
S	07/14/2018	152	232	3	99	3,800	149	2	99	2,533	
Su	07/15/2018	148	555	6	99	7,403	190	4	98	4,935	
M	07/16/2018	192	252	6	98	9,614	172	4	98	6,409	11
T	07/17/2018	146	316	3	99	3,654	180	2	99	2,436	
W	07/18/2018	186	295	8	97	12,407	196	4	98	6,204	12
Th	07/19/2018	159	376	4	99	5,289	199	2	99	2,645	
F	07/20/2018	156	288	5	98	6,502	131	3	98	3,901	8
S	07/21/2018	154	176	3	98	3,850	138	3	98	3,850	
Su	07/22/2018	227	248	13	95	24,606	176	6	97	11,357	
M	07/23/2018	172	245	6	98	8,625	149	2	99	2,875	9
T	07/24/2018	152	257	3	99	3,812	195	3	98	3,812	
W	07/25/2018	182	288	4	99	6,073	161	2	99	3,036	
Th	07/26/2018	232	286	9	97	17,445	198	2	99	3,877	
F	07/27/2018	161	202	3	99	4,022	130	2	98	2,681	
S	07/28/2018	195	198	4	98	6,493	114	2	98	3,246	
Su	07/29/2018	173	262	3	99	4,340	138	2	99	2,893	
M	07/30/2018	178	287	2	99	2,964	211	3	99	4,445	
T	07/31/2018	150	251	2	99	2,505	160	2	99	2,505	

TOTAL	5,300	8,536					5,045				
AVERAGE	171	275	4	98	6,150		163	3	98	4,402	10

Wk1	177	260	3	99	4,803	153	4	97	6,345
Wk2	157	276	3	99	3,919	163	2	99	2,994
Wk3	163	323	5	98	6,960	172	3	98	4,340
Wk4	189	246	6	98	10,154	160	3	98	4,412

MAX 232

CBOD 20 LBS-- 14,702

NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS-- <71,760

- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - JULY 2018**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
Su 07/01/2018	161	6.9	6.9	5.8	0.64	2		
M 07/02/2018	166	7.0	6.9	5.8	0.58	2		
T 07/03/2018	167	6.8	6.9	5.8	0.52	2		
W 07/04/2018	179	6.9	6.8	5.7	0.52	1		
Th 07/05/2018	204	6.9	6.9	5.5	0.55	3		
F 07/06/2018	161	7.0	6.9	3.9	0.47	2		
S 07/07/2018	199	6.9	6.9	5.2	0.46	1		
Su 07/08/2018	154	7.0	7.0	5.1	0.39	2		
M 07/09/2018	150	6.9	6.9	5.6	0.37	1		
T 07/10/2018	147	6.9	7.0	5.6	0.29	1		
W 07/11/2018	166	6.9	6.9	5.6	0.37	1		
Th 07/12/2018	167	6.8	6.8	5.9	0.44	3		
F 07/13/2018	164	6.8	6.8	5.7	0.37	1		
S 07/14/2018	152	7.0	7.0	5.8	0.47	2		
Su 07/15/2018	148	7.0	6.9	5.7	0.29	7		
M 07/16/2018	192	6.9	6.9	5.7	0.24	3		
T 07/17/2018	146	6.9	6.9	5.6	0.27	1		
W 07/18/2018	186	7.0	6.9	5.1	0.27	10		
Th 07/19/2018	159	6.9	6.8	5.6	0.34	33		
F 07/20/2018	156	6.7	6.8	4.7	0.30	4		
S 07/21/2018	154	6.9	6.9	4.5	0.26	364		
Su 07/22/2018	227	6.5	6.5	4.2	0.24	2		
M 07/23/2018	172	6.9	6.8	5.5	0.20	2		
T 07/24/2018	152	6.9	6.8	5.6	0.15	5		
W 07/25/2018	182	6.7	6.7	5.2	0.21	1		
Th 07/26/2018	232	6.8	6.8	5.9	0.17	2		
F 07/27/2018	161	6.9	6.8	5.9	0.26	2		
S 07/28/2018	195	6.9	6.9	5.9	0.18	2		
Su 07/29/2018	173	6.9	6.9	6.1	0.23	1		
M 07/30/2018	178	7.1	7.1	5.8	0.19	3		
T 07/31/2018	150	6.9	6.8	6.0	0.27	6		
TOTAL	5,300	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	171	6.5	7.1	3.9	5.5	0.34	0.64	MEAN
								3

Wk1 177  
Wk2 157  
Wk3 163  
Wk4 189

MAX 232

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - JULY 2018  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
07/01/2018	0.67	0.61	0.64	5.7	5.8	5.8	8	3	5
07/02/2018	0.61	0.55	0.58	5.7	5.8	5.8	1	3	2
07/03/2018	0.53	0.50	0.52	5.7	5.8	5.8	1	3	2
07/04/2018	0.51	0.53	0.52	5.6	5.7	5.7	2	3	2
07/05/2018	0.54	0.56	0.55	5.4	5.5	5.5	2	1	1
07/06/2018	0.49	0.44	0.47	5.4	5.5	5.5	4	2	3
07/07/2018	0.48	0.44	0.46	4.0	3.7	3.9	2	2	2
07/08/2018	0.46	0.31	0.39	5.1	5.3	5.2	1	2	1
07/09/2018	0.46	0.31	0.39	5.1	5.0	5.1	1	3	2
07/09/2018	0.47	0.27	0.37	5.5	5.6	5.6	1	1	1
07/10/2018	0.34	0.24	0.29	5.5	5.7	5.6	1	1	1
07/11/2018	0.41	0.32	0.37	5.5	5.7	5.6	2	1	1
07/12/2018	0.41	0.32	0.37	5.6	5.5	5.6	1	1	1
07/12/2018	0.49	0.38	0.44	5.8	5.9	5.9	2	4	3
07/13/2018	0.39	0.35	0.37	5.7	5.7	5.7	1	1	1
07/14/2018	0.66	0.28	0.47	5.8	5.7	5.8	3	1	2
07/15/2018	0.35	0.22	0.29	5.7	5.7	5.7	4	11	7
07/16/2018	0.28	0.19	0.24	5.6	5.7	5.7	5	2	3
07/17/2018	0.32	0.21	0.27	5.6	5.7	5.7	2	1	1
07/17/2018	0.32	0.21	0.27	5.7	5.5	5.6	2	1	1
07/18/2018	0.33	0.21	0.27	5.1	5.0	5.1	10	11	10
07/19/2018	0.35	0.33	0.34	5.4	5.8	5.6	16	68	33
07/20/2018	0.32	0.28	0.30	5.4	5.8	5.6	3	4	4
07/21/2018	0.32	0.28	0.30	4.6	4.7	4.7	3	4	4
07/21/2018	0.28	0.23	0.26	4.6	4.4	4.5	173	770	364
07/22/2018	0.27	0.21	0.24	4.1	4.3	4.2	1	4	2
07/23/2018	0.26	0.14	0.20	4.1	4.3	4.2	1	4	2
07/23/2018	0.26	0.14	0.20	5.4	5.6	5.5	2	2	2
07/24/2018	0.18	0.12	0.15	5.6	5.6	5.6	4	7	5
07/25/2018	0.28	0.14	0.21	5.2	5.1	5.2	1	2	1
07/26/2018	0.19	0.14	0.17	5.2	5.1	5.2	1	2	1
07/26/2018	0.19	0.14	0.17	5.8	6.0	5.9	5	1	2
07/27/2018	0.31	0.21	0.26	5.9	5.8	5.9	3	1	2
07/28/2018	0.21	0.15	0.18	5.9	5.8	5.9	3	2	2
07/29/2018	0.28	0.18	0.23	5.9	5.8	5.9	3	2	2
07/29/2018	0.28	0.18	0.23	6.1	6.1	6.1	1	1	1
07/30/2018	0.16	0.21	0.19	6.1	6.1	6.1	1	1	1
07/30/2018	0.16	0.21	0.19	5.8	5.8	5.8	6	1	3
07/31/2018	0.32	0.22	0.27	5.8	5.8	5.8	6	1	3
07/31/2018	0.32	0.22	0.27	6.0	5.9	6.0	6	6	6
AVG	0.38	0.30	0.34	5.4	5.5	5.5	3	3	3

# PERMIT NEWPCP - JULY 2018

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
07/01/2018			
07/02/2018	135	5	96%
07/03/2018			
07/04/2018			
07/05/2018	130	4	97%
07/06/2018			
07/07/2018			
07/08/2018			
07/09/2018	134	5	96%
07/10/2018			
07/11/2018	161	5	97%
07/12/2018			
07/13/2018			
07/14/2018			
07/15/2018			
07/16/2018	147	11	93%
07/17/2018			
07/18/2018	121	10	92%
07/19/2018			
07/20/2018			
07/21/2018			
07/22/2018			
07/23/2018	131	7	95%
07/24/2018			
07/25/2018	127	7	94%
07/26/2018			
07/27/2018			
07/28/2018			
07/29/2018			
07/30/2018			
07/31/2018			
AVG	136	7	95%

DESIGN - 210 MGD

<b>NEWPCP - JULY 2018</b>						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
07/01/2018	43	82	36	161	205	
07/02/2018	40	89	37	166	217	
07/03/2018	48	82	37	167	213	0.01
07/04/2018	67	76	36	179	382	
07/05/2018	49	119	37	204	222	T
07/06/2018	47	79	35	161	260	0.10
07/07/2018	61	101	37	199	344	
07/08/2018	45	77	31	154	186	
07/09/2018	45	72	32	150	193	
07/10/2018	46	68	33	147	184	
07/11/2018	53	68	45	166	225	
07/12/2018	44	72	52	167	257	0.15
07/13/2018	45	77	42	164	297	
07/14/2018	43	74	35	152	187	
07/15/2018	44	67	37	148	199	0.38
07/16/2018	63	90	39	192	405	
07/17/2018	44	67	35	146	212	0.07
07/18/2018	62	88	36	186	378	
07/19/2018	44	84	31	159	227	
07/20/2018	43	82	31	156	197	
07/21/2018	42	80	32	154	234	0.74
07/22/2018	47	146	35	227	434	0.24
07/23/2018	53	84	35	172	255	T
07/24/2018	45	70	37	152	205	0.08
07/25/2018	59	82	41	182	425	1.14
07/26/2018	79	105	48	232	404	T
07/27/2018	46	80	34	161	228	0.15
07/28/2018	55	95	44	195	383	
07/29/2018	44	79	51	173	234	
07/30/2018	44	77	57	178	231	
07/31/2018	43	67	40	150	221	T
<b>TOTAL</b>	<b>1,534</b>	<b>2,578</b>	<b>1,188</b>	<b>5,300</b>		<b>3.06</b>
<b>AVG</b>	<b>49</b>	<b>83</b>	<b>38</b>	<b>171</b>		
			<b>MIN</b>	<b>146</b>	<b>184</b>	
			<b>MAX</b>	<b>232</b>	<b>434</b>	

\* ADJUSTED FOR RECYCLE.





**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF JULY 2018**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**07/20/2018**

<b>Toxicity, Ceriodaphnia acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Ceriodaphnia chronic</b>		<b>1</b>
<b>Toxicity, Pimphales acute</b>		<b>1</b>
<b>Toxicity, Pimphales chronic</b>	<b>&lt;</b>	<b>1</b>

## BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
JULY 2018	Sludge Flow To	Sludge Processed by		Sludge Flow To	Sludge Processed by	
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD DT		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD DT	
07/01/2018		0.050	4.99	2.095	2.655	238.0
07/02/2018	0.372	0.355	42.51	1.456	0.978	90.0
07/03/2018	0.481			0.582	0.362	40.6
07/04/2018	0.923	1.711	217.12	1.010	1.328	138.7
07/05/2018				0.262	0.537	67.2
07/06/2018	0.577	0.406	36.18	1.136	0.872	108.9
07/07/2018	0.855	1.040	109.51	2.016	2.368	221.3
07/08/2018				0.971	0.963	82.3
07/09/2018	0.806	0.935	106.49	0.785	0.314	32.0
07/10/2018	0.755	0.819		0.996	1.466	105.9
07/11/2018				0.795	0.718	72.8
07/12/2018	0.907	0.921	135.66	1.282	0.939	91.4
07/13/2018				1.238	1.069	124.8
07/14/2018	1.803	2.080	294.16	1.925	1.908	179.5
07/15/2018				0.474	1.025	96.2
07/16/2018				1.160	1.036	96.3
07/17/2018	0.927	1.477	178.04	1.270	1.253	115.4
07/18/2018				1.417	0.682	68.8
07/19/2018		0.023	2.10	0.225	0.727	72.6
07/20/2018	0.674	0.303	40.66	0.498	0.612	62.2
07/21/2018	0.921	1.343	164.37	1.689	1.430	167.4
07/22/2018	0.928	0.914	108.62	1.201	1.338	152.9
07/23/2018	0.874	0.846	98.41	1.170	1.064	102.3
07/24/2018				1.673	2.207	238.7
07/25/2018	0.888	1.341	215.75	0.812	0.748	71.4
07/26/2018	0.889	0.284	42.12	1.244	0.856	112.7
07/27/2018	0.883	1.443	167.37	0.724	1.122	123.2
07/28/2018	0.568	0.577	71.45	0.809	1.065	133.4
07/29/2018				1.192	0.585	67.5
07/30/2018	0.909	0.891	133.57	1.015	1.079	118.3
07/31/2018	0.856	1.003	122.06	0.873	0.992	112.8
<b>TOTAL</b>	16.796	18.761	2,291	33.995	34.297	3,505
<b>AVERAGE</b>	0.840	0.893	115	1.097	1.106	113

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite 1 & 2

Report: NPW20180823-001  
 Report Date: 08/23/2018

WW180705-012

Composite 24h 07/05/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/5/2018	8:50	7/10/2018	6:45	113	mg/L	2	mg/L
TKN	SM 4500 Norg D	7/12/2018	11:40	7/18/2018	10:50	20.2	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 80%. Acceptance limits are 90-110%.

WW180705-013

Composite 24h 07/05/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/5/2018	8:50	7/10/2018	6:45	137	mg/L	2	mg/L
TKN	SM 4500 Norg D	7/12/2018	11:40	7/18/2018	10:51	24.4	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 80%. Acceptance limits are 90-110%.

WW180705-014

Composite 24h 07/05/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/5/2018	8:50	7/10/2018	6:45	120	mg/L	2	mg/L
TKN	SM 4500 Norg D	7/12/2018	11:40	7/18/2018	10:52	20.6	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 80%. Acceptance limits are 90-110%.

WW180705-015

Composite 24h 07/05/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/5/2018	8:50	7/10/2018	6:45	3	mg/L	2	mg/L
TKN	SM 4500 Norg D	7/12/2018	11:40	7/18/2018	10:53	6.42	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 80%. Acceptance limits are 90-110%.

WW180716-012

Composite 24h 07/16/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/16/2018	8:06	7/16/2018	10:19	188	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 90 to 110%.
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WW180716-013

Composite 24h 07/16/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/16/2018	8:06	7/16/2018	10:19	248	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 90 to 110%.
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WW180716-014

Composite 24h 07/16/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/16/2018	8:06	7/16/2018	10:19	280	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 90 to 110%.
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WW180716-015

Composite 24h 07/16/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/16/2018	7:34	7/16/2018	9:47	6	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 90 to 110%.
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WW180722-010

Composite 24h 07/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/22/2018	9:30	7/27/2018	6:50	112	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW180722-011

Composite 24h 07/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/22/2018	9:30	7/27/2018	6:50	129	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW180722-012

Composite 24h 07/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/22/2018	9:30	7/27/2018	6:50	117	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW180722-013

Composite 24h 07/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/22/2018	9:30	7/27/2018	6:50	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 120%. Acceptance limits are 85 to 115%.
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WW180723-011

Composite 24h 07/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/23/2018	10:10	7/28/2018	6:35	116	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180723-012

Composite 24h 07/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/23/2018	10:10	7/28/2018	6:35	117	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180723-013

Composite 24h 07/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/23/2018	10:10	7/28/2018	6:35	121	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180723-014

Composite 24h 07/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	7/23/2018	10:10	7/28/2018	6:35	7	mg/L	2	mg/L
CBOD5	SM 5210 B	7/23/2018	10:10	7/28/2018	6:35	2	mg/L	2	mg/L

## Data Qualifiers:

BOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW180724-010

Composite 24h 07/24/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/24/2018	8:02	7/24/2018	10:00	192	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 90 to 110%.
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WW180724-011

Composite 24h 07/24/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/24/2018	8:02	7/24/2018	10:00	250	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 90 to 110%.
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WW180724-012

Composite 24h 07/24/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/24/2018	8:02	7/24/2018	10:00	228	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 90 to 110%.
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WW180724-013

Composite 24h 07/24/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/24/2018	7:31	7/24/2018	9:30	3	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 90 to 110%.
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WW180725-012

Composite 24h 07/25/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/25/2018	9:05	7/30/2018	8:20	123	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 84%. Acceptance limits are 85 to 115%.
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WW180725-013

Composite 24h 07/25/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/25/2018	9:05	7/30/2018	8:20	127	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 84%. Acceptance limits are 85 to 115%.
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WW180725-014

Composite 24h 07/25/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/25/2018	9:05	7/30/2018	8:20	124	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 84%. Acceptance limits are 85 to 115%.
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WW180725-015

Composite 24h 07/25/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/25/2018	9:05	7/30/2018	8:20	2	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 84%. Acceptance limits are 85 to 115%.
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WW180726-010

Composite 24h 07/26/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/26/2018	12:45	7/31/2018	7:20	78	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180726-011

Composite 24h 07/26/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/26/2018	12:45	7/31/2018	7:20	84	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180726-012

Composite 24h 07/26/2018 06:30



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/26/2018	12:45	7/31/2018	7:20	81	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180726-013

Composite 24h 07/26/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/26/2018	12:45	7/31/2018	7:20	2	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180729-010

Composite 24h 07/29/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/29/2018	8:12	7/29/2018	10:18	264	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 90 to 110%.								
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WW180729-011

Composite 24h 07/29/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/29/2018	8:12	7/29/2018	10:18	NS	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 90 to 110%.								
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WW180729-012

Composite 24h 07/29/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/29/2018	8:12	7/29/2018	10:18	180	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 90 to 110%.
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WW180729-013

Composite 24h 07/29/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	7/29/2018	8:00	7/29/2018	10:07	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 90 to 110%.
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WW180731-010

Composite 24h 07/31/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/31/2018	10:20	8/5/2018	7:55	148	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.31 and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180731-011

Composite 24h 07/31/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/31/2018	10:20	8/5/2018	7:55	141	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.31 and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180731-012

Composite 24h 07/31/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/31/2018	10:20	8/5/2018	7:55	141	mg/L	2	mg/L


Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.31 and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Legend

A - Results reported on a basis other than as received, e.g. dry weight.

- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
Signature: \_\_\_\_\_  
Name: John Consolvo  
Title: Laboratory Manager  
Date: 8/23/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report: NPW20180821-002  
 Report Date: 08/21/2018

WW180727-001

Grab 07/27/2018 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			7/28/2018	8:17	5.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.79. The maximum acceptable PCV is 0.556. The measured results were <1 MPN/mL and 5.2 MPN/mL. PCV 0.556 was exceeded due to low values in samples.
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WW180727-002

Grab 07/27/2018 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			7/28/2018	8:17	<1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:


Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.79. The maximum acceptable PCV is 0.556. The measured results were <1 MPN/mL and 5.2 MPN/mL. PCV 0.556 was exceeded due to low values in samples.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 8/21/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE WET Testing Composite

Report: NPW20180821-003  
 Report Date: 08/21/2018

WW180716-006

Composite 24h 07/16/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4,4'-DDT <sup>B,D</sup>	EPA 608	7/18/2018	0:00	7/25/2018	17:43	<0.02 <sup>E</sup>	µg/L	<0.02	µg/L
Benzidine <sup>B,D</sup>	EPA 625	7/19/2018	0:00	7/20/2018	11:40	<5.00 <sup>E</sup>	µg/L	<5.00	µg/L
CBOD5	SM 5210 B	7/16/2018	14:30	7/21/2018	11:30	3.45	mg/L	2	mg/L

Data Qualifiers:

4,4'-DDT	Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard.
Benzidine	The Matrix Spike associated with this sample is below the established acceptance criteria, indicating a potential matrix interference. Results of the sample may be biased low.
CBOD5	The GGA recovery is 149.50mg/L. Acceptance limits are 167.5 mg/L to 228.5 mg/L.

WW180718-022

Composite 24h 07/18/2018 09:44

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/18/2018	15:45	7/23/2018	9:55	3.78	mg/L	2	mg/L

Data Qualifiers:

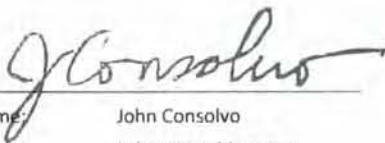
CBOD5	GGA Recovery is 156 mg/L. The acceptance limits are 167.5 to 228.5 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 8/21/2018



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

**PA0026689**  
PERMIT NUMBER

**001**  
OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **08/01/2018**  
 DMR Effective To: **08/31/2018**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2018	08	01	TO	2018	08	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	1.6	5.2	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.5	***	7.1	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	9617	20017	lbs/day	***	6	11	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	5.31	8.00	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.896	1.530	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	1.418	2.370	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	6.09	7.72	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.247	.404	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0057	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	<.050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0040	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.4450	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0560	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total (01092)	Sample Measurement	***	***	***	***	<.0025	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	172	284	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.23	.48	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	5	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	5766	9770	lbs/day	***	4	5	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	16366	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 08/01/2018  
 DMR Effective To: 08/31/2018  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2018	08	01	TO	2018	08	31

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	97	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	97	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Comments										





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
NE Daily Grab (09-21-2018).pdf	Laboratory Accreditation Form	2018-09-27T10:01:30-04:00	
BLSNE201808.xls	Nutrient Monitoring Form	2018-09-27T10:40:52-04:00	
NECSO 201808.xls	CSO Detailed Outfall Report Form	2018-09-27T10:00:12-04:00	
201808SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-09-27T10:50:12-04:00	
E-NPDES NE-201808.xls	Daily Effluent Monitoring Form	2018-09-27T09:58:43-04:00	
NE Daily Composite 12 (09-21-2018).pdf	Laboratory Accreditation Form	2018-09-27T10:01:01-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6268

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2018	9	27
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



Debra A. McCarty, Water Commissioner

October 29, 2018

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for September 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 09/01/2018-09/30/2018

**Report Due Date:** 10/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 119916

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for September 2018

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT

## NEWPCP - SEPTEMBER 2018

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS					CBOD <sub>5</sub>					CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	LBS	

S	09/01/2018	236	322	12	96		23,590		117	12	90	23,590	
Su	09/02/2018	165	271	9	97		12,384		163	3	98	4,128	
M	09/03/2018	153	146	4	97		5,115		111	2	98	2,557	11
T	09/04/2018	160	158	4	97		5,323		101	3	97	3,992	
W	09/05/2018	148	227	4	98		4,952		113	3	97	3,714	12
Th	09/06/2018	152	352	4	99		5,055		192	5	97	6,318	
F	09/07/2018	149	200	4	98		4,978		94	2	98	2,489	
S	09/08/2018	239	228	9	96		17,934		129	5	96	9,963	
Su	09/09/2018	266	132	12	91		26,652		84	4	95	8,884	
M	09/10/2018	374	48	30	85	38	52,540 (a)	93,630	44	9	86	80 28,089	18
T	09/11/2018	240	93	7	92		13,997		73	3	96	5,999	
W	09/12/2018	184	191	3	98		4,600		127	2	98	3,066	14 ****
Th	09/13/2018	222	262	4	98		7,422		90	5	94	9,278	
F	09/14/2018	196	217	4	98		6,527		124	5	96	8,158	
S	09/15/2018	176	207	1	100		1,465		103	2	98	2,931	
Su	09/16/2018	171	198	3	98		4,287		91	3	97	4,287	
M	09/17/2018	166	120	3	98		4,157		110	2	98	2,771	10
T	09/18/2018	191	250	4	98		6,383		121	4	97	6,383	
W	09/19/2018	250	180	5	97		10,431		83	4	95	8,345	14
Th	09/20/2018	175	182	1	99		1,458		102	2	98	2,917	
F	09/21/2018	170	193	2	99		2,842		109	4	96	5,685	
S	09/22/2018	171	206	3	99		4,282		125	2	98	2,854	
Su	09/23/2018	169	238	2	99		2,825		112	4	96	5,650	
M	09/24/2018	251	221	5	98		10,476		101	7	93	14,667	15
T	09/25/2018	187	206	3	99		4,668		127	2	98	3,112	
W	09/26/2018	300	178	5	97		12,528		82	9	89	22,550	12
Th	09/27/2018	214	153	4	97		7,146		74	2	97	3,573	
F	09/28/2018	267	149	3	98		6,674		83	2	98	4,449	
S	09/29/2018	276	126	4	97		9,205		59	3	95	6,904	
Su	09/30/2018	205	142	2	99		3,421		98	3	97	5,131	

TOTAL	6,225	5,795							3,141				
AVERAGE	207	193	5	97	38	9,444			105	4	96	7,414	13

Wk1	167	226	5	98		7,963		129	3	97	4,737	
Wk2	237	164	9	95		16,172 (a)		92	4	95	9,486	
Wk3	185	190	3	98		4,834		106	3	97	4,749	
Wk4	238	182	4	98		7,646		91	4	95	8,701	

MAX 374

CBOD 20 LBS-- 26,618

NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.

\*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.

\*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.

(a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

\*\*\*\* THIS CBOD20 ANALYSIS WAS CONDUCTED WHILE THE LAB WAS UNDER ACCREDITATION SUSPENSION DUE TO FINANCIAL PAYMENT

**PERMIT**  
**NEWPCP - SEPTEMBER 2018**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
S 09/01/2018	236	6.7	6.7	5.3	0.28	7		
Su 09/02/2018	165	6.9	6.9	5.5	0.30	1		
M 09/03/2018	153	7.0	6.9	5.1	0.35	2		
T 09/04/2018	160	6.9	6.9	4.2	0.41	1		
W 09/05/2018	148	6.8	6.8	4.6	0.28	3		
Th 09/06/2018	152	7.1	7.1	5.2	0.29	1		
F 09/07/2018	149	6.7	6.8	5.5	0.28	1		
S 09/08/2018	239	6.6	6.6	3.1	0.19	25		
Su 09/09/2018	266	6.7	6.7	4.6	0.23	42		
M 09/10/2018	374	6.7	6.6	5.6	0.30	57		
T 09/11/2018	240	6.9	6.9	5.7	0.26	15		
W 09/12/2018	184	6.9	6.9	5.5	0.29	6		
Th 09/13/2018	222	6.8	6.8	5.7	0.29	3		
F 09/14/2018	196	7.0	7.0	5.3	0.36	4		
S 09/15/2018	176	6.9	6.9	5.4	0.35	2		
Su 09/16/2018	171	6.9	6.9	4.9	0.34	1		
M 09/17/2018	166	6.8	6.8	4.0	0.34	2		
T 09/18/2018	191	6.9	6.8	4.1	0.37	6		
W 09/19/2018	250	6.7	6.7	4.7	0.25	4		
Th 09/20/2018	175	6.8	6.8	4.9	0.31	2		
F 09/21/2018	170	6.9	6.9	5.6	0.31	9		
S 09/22/2018	171	6.8	6.8	5.8	0.19	14		
Su 09/23/2018	169	6.9	6.9	5.9	0.27	22		
M 09/24/2018	251	6.9	6.8	5.5	0.13	14		
T 09/25/2018	187	6.9	6.9	5.3	0.30	7		
W 09/26/2018	300	6.7	6.7	5.4	0.19	20		
Th 09/27/2018	214	6.8	6.8	6.2	0.19	4		
F 09/28/2018	267	6.5	6.5	4.0	0.22	67		
S 09/29/2018	276	6.9	6.9	5.8	0.24	2		
Su 09/30/2018	205	6.9	6.9	5.7	0.22	13		
TOTAL	6,225	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	207	6.5	7.1	3.1	5.1	0.28	0.41	MEAN
								6

Wk1 167  
Wk2 237  
Wk3 185  
Wk4 238

**MAX** 374

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - SEPTEMBER 2018  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
09/01/2018	0.29	0.26	0.28	5.3	5.3	5.3	9	5	7
09/02/2018	0.36	0.24	0.30	5.4	5.5	5.5	2	1	1
09/03/2018	0.41	0.29	0.35	5.0	5.1	5.1	< 1	3	2
09/04/2018	0.53	0.28	0.41	4.2	4.1	4.2	1	1	1
09/05/2018	0.30	0.26	0.28	4.7	4.4	4.6	4	2	3
09/06/2018	0.32	0.26	0.29	5.1	5.3	5.2	2	1	1
09/07/2018	0.30	0.26	0.28	5.3	5.6	5.5	1 <	2	1
09/08/2018	0.18	0.19	0.19	3.0	3.2	3.1	33	19	25
09/09/2018	0.24	0.21	0.23	4.6	4.6	4.6	107 <	16	42
09/10/2018	0.25	0.35	0.30	5.3	5.8	5.6	184	18	57
09/11/2018	0.29	0.23	0.26	5.7	5.7	5.7	19 <	12	15
09/12/2018	0.33	0.24	0.29	5.4	5.6	5.5	5	6	6
09/13/2018	0.31	0.27	0.29	5.5	5.8	5.7	2	4	3
09/14/2018	0.35	0.36	0.36	5.3	5.2	5.3	3	6	4
09/15/2018	0.35	0.34	0.35	5.3	5.5	5.4	2	2	2
09/16/2018	0.34	0.34	0.34	4.8	4.9	4.9	1	1	1
09/17/2018	0.29	0.39	0.34	4.0	4.0	4.0	2	3	2
09/18/2018	0.39	0.34	0.37	4.1	4.1	4.1	7	5	6
09/19/2018	0.31	0.19	0.25	4.6	4.7	4.7	3	4	4
09/20/2018	0.35	0.27	0.31	4.6	5.1	4.9	1	3	2
09/21/2018	0.36	0.26	0.31	5.6	5.6	5.6	12 <	7	9
09/22/2018	0.17	0.20	0.19	5.8	5.8	5.8	16	13	14
09/23/2018	0.25	0.29	0.27	5.8	6.0	5.9	32	15	22
09/24/2018	0.11	0.14	0.13	5.4	5.5	5.5	39	5	14
09/25/2018	0.30	0.29	0.30	5.4	5.2	5.3	9	5	7
09/26/2018	0.19	0.19	0.19	5.3	5.5	5.4	24	18	20
09/27/2018	0.18	0.19	0.19	6.0	6.4	6.2	7	2	4
09/28/2018	0.21	0.22	0.22	4.1	3.8	4.0	151	30	67
09/29/2018	0.24	0.24	0.24	5.8	5.8	5.8	4	1	2
09/30/2018	0.20	0.23	0.22	5.6	5.7	5.7	23	7	13
AVG	0.29	0.26	0.28	5.1	5.2	5.1	7	5	6

**PERMIT  
NEWPCP - SEPTEMBER 2018**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
09/01/2018			
09/02/2018			
09/03/2018	141	5	96%
09/04/2018			
09/05/2018	163	5	97%
09/06/2018			
09/07/2018			
09/08/2018			
09/09/2018			
09/10/2018	57	18	68%
09/11/2018			
09/12/2018	144	6	96%
09/13/2018			
09/14/2018			
09/15/2018			
09/16/2018			
09/17/2018	138	4	97%
09/18/2018			
09/19/2018	125	12	90%
09/20/2018			
09/21/2018			
09/22/2018			
09/23/2018			
09/24/2018	110	9	92%
09/25/2018			
09/26/2018	80	9	89%
09/27/2018			
09/28/2018			
09/29/2018			
09/30/2018			
AVG	120	9	91%

DESIGN - 210 MGD

<b>NEWPCP - SEPTEMBER 2018</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
09/01/2018	88	100	48	236	426	0.08
09/02/2018	46	86	34	165	341	T
09/03/2018	42	76	35	153	191	
09/04/2018	44	77	39	160	221	
09/05/2018	42	72	35	148	284	
09/06/2018	42	76	34	152	332	0.01
09/07/2018	42	74	33	149	202	4.54
09/08/2018	75	113	51	239	424	0.63
09/09/2018	82	131	53	266	440	1.84
09/10/2018	114	188	72	374	501	0.23
09/11/2018	68	123	48	240	436	T
09/12/2018	51	96	37	184	436	T
09/13/2018	74	106	43	222	190	T
09/14/2018	47	92	57	196	190	
09/15/2018	51	88	37	176	227	
09/16/2018	49	87	35	171	213	
09/17/2018	49	82	35	166	213	0.01
09/18/2018	54	100	37	191	279	0.26
09/19/2018	77	129	44	250	474	
09/20/2018	49	92	35	175	247	
09/21/2018	47	90	34	170	224	
09/22/2018	47	90	34	171	204	0.01
09/23/2018	47	89	33	169	207	0.70
09/24/2018	80	116	55	251	422	0.05
09/25/2018	54	96	37	187	300	0.36
09/26/2018	82	163	55	300	507	0.14
09/27/2018	74	97	44	214	463	0.02
09/28/2018	67	152	48	267	532	0.88
09/29/2018	77	150	49	276	478	
09/30/2018	59	109	37	205	255	
<b>TOTAL</b>	<b>1,819</b>	<b>3,139</b>	<b>1,266</b>	<b>6,225</b>		<b>9.76</b>
<b>AVG</b>	<b>61</b>	<b>105</b>	<b>42</b>	<b>207</b>		
			<b>MIN</b>	<b>148</b>	<b>190</b>	
			<b>MAX</b>	<b>374</b>	<b>532</b>	

\* ADJUSTED FOR RECYCLE.



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

Northeast Water Pollution Control Plant

**NPDES SUMMARY FOR THE MONTH OF SEPTMBER 2018**

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
09/05/2018	0.780	1.390	6.55	7.41	0.165
09/12/2018	0.819	1.690	4.47	4.86	0.134
09/19/2018	0.535	1.440	3.46	4.49	0.223
09/26/2018	0.463	1.260	3.39	5.16	0.189
<b>AVG</b>	0.649	1.445	4.47	5.48	0.178
<b>MAX</b>	0.819	1.690	6.55	7.41	0.223

**Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
09/05/2018	0.060

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	09/05/2018
Copper	0.0050
Iron	0.4730
Iron Dissolved	0.4540
Lead	< 0.0030
Zinc	< 0.0025

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	09/05/2018	09/17/2018	AVG
1,2-Dichloroethane	< 0.0005	< 0.0005	< 0.0005
Chloroform	0.0036	0.0053	0.0044
Chlorodibromomethane	< 0.0005	< 0.0005	< 0.0005
Tetrachloroethylene	< 0.0005	< 0.0005	< 0.0005
Trichloroethylene	< 0.0005	< 0.0005	< 0.0005

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
SEPTEMBER 2018	Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP	Sludge Processed by Biosolids Recycle Center / Synagro	DT	Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP	Sludge Processed by Biosolids Recycle Center / Synagro	DT
	MGD	MGD		MGD	MGD	
09/01/2018	0.860	1.072	137.98	1.420	1.577	192.3
09/02/2018	-	0.046	4.93	1.720	1.539	182.1
09/03/2018	1.330	1.008	113.54	1.210	1.215	125.3
09/04/2018	0.340	0.264	32.32	0.000	0.000	
09/05/2018	0.860	0.718	104.43	1.970	2.255	214.2
09/06/2018	0.850	0.644	96.34	1.230	1.495	142.2
09/07/2018	-	0.690	106.93	1.090	0.994	91.3
09/08/2018	0.850	0.084	11.31	2.030	1.754	202.1
09/09/2018	-	0.774	119.12	0.890	0.586	73.7
09/10/2018	0.840	0.097	11.49	1.320	1.639	202.6
09/11/2018	0.820	1.046	139.33	0.210	0.102	9.2
09/12/2018	0.820	0.598	59.86	1.180	1.071	119.2
09/13/2018	0.820	0.871	129.67	0.270	0.178	20.7
09/14/2018	0.790	0.907	135.31	1.680	1.774	204.8
09/15/2018	0.830	1.020	152.46	0.890	0.717	74.6
09/16/2018	-			1.070	1.254	131.7
09/17/2018	0.820	1.131	157.86	0.880	1.000	123.4
09/18/2018	0.830	0.721	111.15	1.640	1.276	128.9
09/19/2018	0.820	0.140	15.62	1.550	2.115	246.0
09/20/2018	-	0.101	6.64	1.590	1.090	131.7
09/21/2018	0.810	0.738	89.64	1.280	1.489	175.2
09/22/2018	1.260	1.724	284.34	1.380	1.063	118.5
09/23/2018	1.220	1.370	207.06	1.330	1.497	187.4
09/24/2018	0.510	0.303	45.00	1.580	1.554	182.7
09/25/2018	1.130	1.259	160.37	1.400	1.367	159.6
09/26/2018	0.840	0.474	47.39	1.500	1.779	244.9
09/27/2018	0.830	0.928	125.10	1.270	1.544	171.7
09/28/2018	0.840	1.277	216.18	1.040	0.632	55.4
09/29/2018	0.810	0.831	109.15	1.260	1.495	184.0
09/30/2018	0.820	0.864	123.15	1.290	1.471	189.2
<b>TOTAL</b>	21.550	21.701	3,054	37.170	37.521	4,285
<b>AVERAGE</b>	0.718	0.748	105	1.239	1.251	148



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

**PA0026689**  
PERMIT NUMBER

**001**  
OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **09/01/2018**  
 DMR Effective To: **09/30/2018**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2018	09	01	TO	2018	09	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	3.1	5.1	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.5	***	7.1	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	9444	16172	lbs/day	***	5	9	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	4.47	6.55	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.649	.819	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	1.445	1.690	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	5.48	7.41	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.178	.223	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0044	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	.060	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.4730	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.4540	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total (01092)	Sample Measurement	***	***	***	***	<.0025	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	207	374	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.28	.41	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	6	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	7414	9486	lbs/day	***	4	4	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	26618	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 09/01/2018  
 DMR Effective To: 09/30/2018  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2018	09	01	TO	2018	09	30

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	97	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**BUREAU OF CLEAN WATER**  
**DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
201809SL.xls September.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-10-26T14:08:12-04:00	
E-NPDES NE-201809.xls	Daily Effluent Monitoring Form	2018-10-26T14:11:59-04:00	
NE Daily Composite (10-24-2018).pdf	Laboratory Accreditation Form	2018-10-26T14:12:47-04:00	
BLSNE201809.xls	Nutrient Monitoring Form	2018-10-26T09:00:53-04:00	
NECSO 201809.xls	CSO Detailed Outfall Report Form	2018-10-26T09:01:32-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. A flow in excess of 315 MGD qualified for permit relief on the 10th of the month and was used in compliance reporting. The CBOD20 sample that was collected on the 12th of the month was analyzed while the lab was under accreditation suspension due to a late financial payment. The lab has met all other accreditation requirements and the payment was submitted. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2018	10	26
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite

Report: NPW20181024-001  
 Report Date: 10/24/2018

WW180901-010

Composite 24h 09/01/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/1/2018	8:12	9/1/2018	10:16	295	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 68%. Acceptance limits are 90 to 110%.
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WW180901-011

Composite 24h 09/01/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/1/2018	8:12	9/1/2018	10:16	427	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 68%. Acceptance limits are 90 to 110%.
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WW180901-012

Composite 24h 09/01/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/1/2018	8:12	9/1/2018	10:16	360	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 68%. Acceptance limits are 90 to 110%.
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WW180901-013

Composite 24h 09/01/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/1/2018	8:00	9/1/2018	10:09	12	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 68%. Acceptance limits are 90 to 110%.
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WW180905-012

Composite 24h 09/05/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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PCBs Total <sup>R,D</sup>	EPA 8082A	9/14/2018	0:00	9/15/2018	2:34	<0.500 <sup>F</sup>	µg/L	0.500	µg/L
TKN	SM 4500 Norg D	9/19/2018	12:30	9/24/2018	11:27	24.9	mg/L as N	1.0	mg/L as N

Data Qualifiers:

PCBs Total	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 26% in the sample which is outside the acceptance limits of 28-130%. Data may be biased low.
TKN	Laboratory Fortified Matrix (LFM) recovery is 118%. Acceptance limits are 90-110%.

WW180905-013

Composite 24h 09/05/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	9/19/2018	12:30	9/24/2018	11:28	27.4	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 118%. Acceptance limits are 90-110%.
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WW180905-014

Composite 24h 09/05/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	9/19/2018	12:30	9/24/2018	11:29	26.1	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 118%. Acceptance limits are 90-110%.
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WW180905-015

Composite 24h 09/05/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	9/19/2018	12:30	9/24/2018	11:30	7.41	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 118%. Acceptance limits are 90-110%.
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WW180912-015

Composite 24h 09/12/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	SM 5210 B	9/12/2018	15:55	10/2/2018	11:25	NR	mg/L	2	mg/L

Data Qualifiers:

CBOD20	BLS was not an accredited laboratory at the time of this analysis. Unless otherwise noted here, all analytical quality control measures were evaluated to be acceptable; the result may be used for informational or research purposes, but may not be reported to the PA DEP or EPA under any regulatory monitoring program, including Safe Drinking Water Act or Clean Water Act.
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WW180913-010

Composite 24h 09/13/2018 06:30



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/13/2018	8:08	9/13/2018	10:14	280	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 90 to 110%.
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WW180913-011

Composite 24h 09/13/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/13/2018	8:08	9/13/2018	10:14	315	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 90 to 110%.
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WW180913-012

Composite 24h 09/13/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/13/2018	8:08	9/13/2018	10:14	265	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 90 to 110%.
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WW180913-013

Composite 24h 09/13/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	9/13/2018	7:51	9/13/2018	9:34	4	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 90 to 110%.
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WW180915-010

Composite 24h 09/15/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/15/2018	12:55	9/20/2018	8:50	98	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.28 and 0.34 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW180915-011

Composite 24h 09/15/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/15/2018	12:55	9/20/2018	8:50	122	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.28 and 0.34 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180915-012

Composite 24h 09/15/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/15/2018	12:55	9/20/2018	8:50	127	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.28 and 0.34 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180915-013

Composite 24h 09/15/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	9/15/2018	12:55	9/20/2018	8:50	2	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.28 and 0.34 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW180919-012

Composite 24h 09/19/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	10/5/2018	11:15	10/10/2018	11:48	15.1	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 83%. Acceptance limits are 90-110%.								
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WW180919-013

Composite 24h 09/19/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	10/5/2018	11:15	10/10/2018	11:49	18	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 83%. Acceptance limits are 90-110%.								
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WW180919-014

Composite 24h 09/19/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	10/5/2018	11:15	10/10/2018	11:50	14.3	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 83%. Acceptance limits are 90-110%.
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WW180919-015

Composite 24h 09/19/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	10/5/2018	11:15	10/10/2018	11:52	4.49	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 83%. Acceptance limits are 90-110%.
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WW180926-012

Composite 24h 09/26/2018 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	10/5/2018	11:15	10/10/2018	12:17	13	mg/L as N	1.0	mg/L as N

Data Qualifiers:

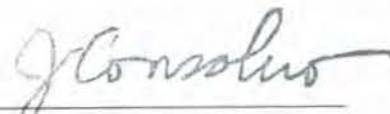
TKN	Laboratory Fortified Matrix (LFM) recovery is 83%. Acceptance limits are 90-110%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 10/24/2018



Debra A. McCarty, Water Commissioner

October 29, 2018

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for the period of July 2018 to September 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Quarterly

**Report Type:** DMR

**Reporting Period:** 07/01/2018-09/30/2018

**Report Due Date:** 10/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 119385

**Submission Status:** Received

**Submission Type:** Original



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF JULY 2018**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**07/20/2018**

<b>Toxicity, Ceriodaphnia acute</b>	<b>&lt;</b>	<b>1</b>
<b>Toxicity, Ceriodaphnia chronic</b>		<b>1</b>
<b>Toxicity, Pimphales acute</b>		<b>1</b>
<b>Toxicity, Pimphales chronic</b>	<b>&lt;</b>	<b>1</b>



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Quarterly**  
 DMR Effective From: **07/01/2018**  
 DMR Effective To: **09/30/2018**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2018	07	01	TO	2018	09	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival (61425)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Toxicity, Chronic - Ceriodaphnia Survival (61426)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Toxicity, Acute - Pimephales Survival (61427)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Chlordane (51032)	Sample Measurement	***	***	***	***	<.0005000	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
3,3-Dichlorobenzidine (34631)	Sample Measurement	***	***	***	***	<.0100	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Benzidine (39120)	Sample Measurement	***	***	***	***	<.0050	***	mg/L	3/quarter	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	Grab
4,4-DDT (39300)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
4,4-DDD (39310)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
4,4-DDE (39320)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
alpha-BHC (39336)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
beta-BHC (39338)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
gamma-BHC (Lindane) (39344)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Dieldrin (39380)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Endrin (39390)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Heptachlor (39410)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Toxicity, Chronic - Pimephales Survival (61428)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Facility Comments										



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)

## ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
BLSNE201807.xls	WET Test Summary Report	2018-10-25T13:22:56-04:00	
NE WET Testing Composite (08-21-2018).pdf	Laboratory Accreditation Form	2018-10-25T13:23:32-04:00	

## PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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## UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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## OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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## COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required.	Mary Ellen Senss	S12300	(215)-685-6258

## SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2018	10	25
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE WET Testing Composite

Report: NPW20180821-003  
 Report Date: 08/21/2018

WW180716-006

Composite 24h 07/16/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4,4'-DDT <sup>B,D</sup>	EPA 608	7/18/2018	0:00	7/25/2018	17:43	<0.02 <sup>E</sup>	µg/L	<0.02	µg/L
Benzidine <sup>B,D</sup>	EPA 625	7/19/2018	0:00	7/20/2018	11:40	<5.00 <sup>E</sup>	µg/L	<5.00	µg/L
CBOD5	SM 5210 B	7/16/2018	14:30	7/21/2018	11:30	3.45	mg/L	2	mg/L

Data Qualifiers:

4,4'-DDT	Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard.
Benzidine	The Matrix Spike associated with this sample is below the established acceptance criteria, indicating a potential matrix interference. Results of the sample may be biased low.
CBOD5	The GGA recovery is 149.50mg/L. Acceptance limits are 167.5 mg/L to 228.5 mg/L.

WW180718-022

Composite 24h 07/18/2018 09:44

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	7/18/2018	15:45	7/23/2018	9:55	3.78	mg/L	2	mg/L

Data Qualifiers:

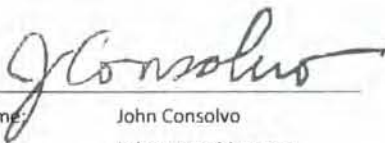
CBOD5	GGA Recovery is 156 mg/L. The acceptance limits are 167.5 to 228.5 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 8/21/2018



Debra A. McCarty, Water Commissioner

November 29, 2018

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for October 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 10/01/2018-10/31/2018

**Report Due Date:** 11/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 123995

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for October 2018

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT

## NEWPCP - OCTOBER 2018

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)	
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM		LBS
Su	09/30/2018	205	142	2	99	3,421		98	3	97	5,131	
M	10/01/2018	199	172	1	99	1,657		92	3	97	4,971	10
T	10/02/2018	194	210	2	99	3,230		112	2	98	3,230	
W	10/03/2018	224	264	3	99	5,605		116	3	97	5,605	12
Th	10/04/2018	194	161	2	99	3,237		96	5	95	8,094	
F	10/05/2018	203	224	3	99	5,074		133	2	99	3,382	9
S	10/06/2018	177	195	3	98	4,428		105	2	98	2,952	
Su	10/07/2018	177	202	3	99	4,416		107	4	96	5,888	
M	10/08/2018	176	191	3	98	4,401		122	2	98	2,934	11
T	10/09/2018	177	164	3	98	4,433		112	3	97	4,433	
W	10/10/2018	168	220	3	99	4,203		112	2	98	2,802	17
Th	10/11/2018	168	210	3	99	4,215		107	3	97	4,215	
F	10/12/2018	302	198	7	96	17,605		81	4	95	10,060	
S	10/13/2018	211	133	3	98	5,278		123	2	98	3,519	
Su	10/14/2018	189	156	2	99	3,155		92	2	98	3,155	
M	10/15/2018	181	150	2	99	3,012		120	3	98	4,518	9
T	10/16/2018	192	192	2	99	3,196		128	3	98	4,793	
W	10/17/2018	174	240	2	99	2,898		123	2	98	2,898	13
Th	10/18/2018	184	231	2	99	3,071		136	2	99	3,071	
F	10/19/2018	167	213	3	99	4,177		128	4	97	5,569	18
S	10/20/2018	170	230	3	99	4,253		140	3	98	4,253	
Su	10/21/2018	164	225	2	99	2,736		142	3	98	4,104	
M	10/22/2018	188	226	2	99	3,139		150	3	98	4,708	
T	10/23/2018	185	191	3	98	4,641		119	5	96	7,735	
W	10/24/2018	157	214	2	99	2,627		132	2	98	2,627	14
Th	10/25/2018	156	194	2	99	2,604		127	2	98	2,604	
F	10/26/2018	211	184	2	99	3,512		123	2	98	3,512	
S	10/27/2018	225	287	6	98	11,264		147	6	96	11,264	
Su	10/28/2018	270	147	8	95	17,998		92	6	93	13,498	
M	10/29/2018	172	156	2	99	2,870		116	3	97	4,305	10
T	10/30/2018	167	282	2	99	2,785		191	2	99	2,785	
W	10/31/2018	157	234	2	99	2,619		150	3	98	3,929	12

TOTAL AVERAGE	5,878 190	6,295 203	3	99	4,785	3,775 122	3	97	4,884	12
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Wk1	199	195	2	99	3,807	107	3	97	4,766
Wk2	197	188	4	98	6,364	109	3	97	4,836
Wk3	179	202	2	99	3,395	124	3	98	4,037
Wk4	195	208	3	98	6,065	129	4	97	6,256

MAX 302

CBOD 20 LBS-- 18,222

NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 >78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.

\*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.

\*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.

(a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - OCTOBER 2018**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
M 10/01/2018	199	6.9	6.9	5.4	0.28	2		
T 10/02/2018	194	6.9	6.9	4.6	0.34	2		
W 10/03/2018	224	6.7	6.7	5.2	0.28	97		
Th 10/04/2018	194	6.8	6.8	5.2	0.27	10		
F 10/05/2018	203	6.8	6.8	5.4	0.28	7		
S 10/06/2018	177	6.8	6.8	5.2	0.20	6		
Su 10/07/2018	177	6.6	6.7	6.1	0.24	2		
M 10/08/2018	176	6.9	6.9	5.9	0.23	5		
T 10/09/2018	177	6.9	6.8	5.8	0.34	4		
W 10/10/2018	168	6.8	6.8	6.0	0.25	6		
Th 10/11/2018	168	6.9	6.9	5.8	0.28	7		
F 10/12/2018	302	6.8	6.7	5.2	0.11	73		
S 10/13/2018	211	6.7	6.8	5.6	0.22	4		
Su 10/14/2018	189	6.9	6.9	6.1	0.16	8		
M 10/15/2018	181	7.0	6.9	4.7	0.24	7		
T 10/16/2018	192	6.8	6.8	5.7	0.19	17		
W 10/17/2018	174	6.9	6.9	5.0	0.29	7		
Th 10/18/2018	184	6.9	6.9	6.1	0.23	13		
F 10/19/2018	167	6.9	6.9	4.9	0.27	104		
S 10/20/2018	170	7.0	7.0	5.9	0.26	6		
Su 10/21/2018	164	7.0	6.9	6.2	0.29	6		
M 10/22/2018	188	7.0	6.9	6.0	0.30	4		
T 10/23/2018	185	6.9	6.9	5.8	0.34	3		
W 10/24/2018	157	6.9	6.9	6.2	0.28	10		
Th 10/25/2018	156	6.9	6.9	6.3	0.29	5		
F 10/26/2018	211	6.7	6.8	6.3	0.33	6		
S 10/27/2018	225	7.1	6.9	3.9	0.32	59		
Su 10/28/2018	270	6.9	6.9	6.2	0.20	2		
M 10/29/2018	172	6.9	6.9	5.9	0.28	3		
T 10/30/2018	167	6.9	6.8	6.5	0.32	1		
W 10/31/2018	157	6.9	6.8	5.7	0.36	2		
TOTAL	5,878	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	190	6.6	7.1	3.9	5.6	0.26	0.36	MEAN
								7

Wk1 199  
Wk2 197  
Wk3 179  
Wk4 195

**MAX** 302

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - OCTOBER 2018  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
10/01/2018	0.24	0.32	0.28	5.4	5.4	5.4	4 ****	1 ****	2
10/02/2018	0.31	0.36	0.34	4.5	4.7	4.6	4 **** <	1 ****	2
10/03/2018	0.22	0.33	0.28	5.2	5.1	5.2	291 ****	32 ****	97
10/04/2018	0.28	0.25	0.27	5.1	5.2	5.2	16	6	10
10/05/2018	0.31	0.24	0.28	5.0	5.7	5.4	7	6	7
10/06/2018	0.22	0.17	0.20	5.2	5.2	5.2	4	10	6
10/07/2018	0.24	0.24	0.24	6.0	6.1	6.1	3 <	1	2
10/08/2018	0.22	0.24	0.23	5.9	5.9	5.9	3	7	5
10/09/2018	0.29	0.38	0.34	5.7	5.9	5.8	8	2	4
10/10/2018	0.23	0.26	0.25	5.9	6.1	6.0	9	4	6
10/11/2018	0.28	0.28	0.28	5.8	5.8	5.8	7	6	7
10/12/2018	0.13	0.08	0.11	5.0	5.4	5.2	66	80	73
10/13/2018	0.27	0.17	0.22	5.5	5.7	5.6	4	4	4
10/14/2018	0.13	0.18	0.16	5.9	6.2	6.1	12	5	8
10/15/2018	0.30	0.18	0.24	4.6	4.7	4.7	10	5	7
10/16/2018	0.21	0.17	0.19	5.8	5.5	5.7	23	13	17
10/17/2018	0.35	0.22	0.29	4.7	5.2	5.0	5	9	7
10/18/2018	0.28	0.17	0.23	6.2	5.9	6.1	15	12	13
10/19/2018	0.28	0.26	0.27	4.9	4.9	4.9	58	186	104
10/20/2018	0.27	0.25	0.26	5.7	6.0	5.9	8	4	6
10/21/2018	0.33	0.25	0.29	6.0	6.3	6.2	12	3	6
10/22/2018	0.34	0.25	0.30	5.8	6.2	6.0	2	8	4
10/23/2018	0.38	0.29	0.34	5.8	5.8	5.8	4	2	3
10/24/2018	0.36	0.19	0.28	6.1	6.2	6.2	8	14	10
10/25/2018	0.39	0.19	0.29	6.2	6.4	6.3	2	11	5
10/26/2018	0.38	0.28	0.33	6.2	6.3	6.3	4	8	6
10/27/2018	0.42	0.21	0.32	4.0	3.8	3.9	23	150	59
10/28/2018	0.25	0.14	0.20	6.1	6.2	6.2	2	3	2
10/29/2018	0.35	0.20	0.28	5.8	6.0	5.9	4	2	3
10/30/2018	0.34	0.29	0.32	6.4	6.5	6.5	1	1	1
10/31/2018	0.42	0.30	0.36	5.6	5.8	5.7	3 <	1	2
AVG	0.29	0.24	0.26	5.5	5.7	5.6	7	6	7

**PERMIT  
NEWPCP - OCTOBER 2018**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
10/01/2018	120	5	96%
10/02/2018			
10/03/2018	127	8	94%
10/04/2018			
10/05/2018			
10/06/2018			
10/07/2018			
10/08/2018	120	7	94%
10/09/2018			
10/10/2018	131	6	95%
10/11/2018			
10/12/2018			
10/13/2018			
10/14/2018			
10/15/2018	140	7	95%
10/16/2018			
10/17/2018	135	6	96%
10/18/2018			
10/19/2018			
10/20/2018			
10/21/2018			
10/22/2018	151	8	95%
10/23/2018			
10/24/2018	134	7	95%
10/25/2018			
10/26/2018			
10/27/2018			
10/28/2018			
10/29/2018	124	7	94%
10/30/2018			
10/31/2018	152	5	97%
AVG	133	7	95%

DESIGN - 210 MGD

NEWPCP - OCTOBER 2018						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
10/01/2018	58	105	36	199	250	
10/02/2018	56	101	37	194	240	0.34
10/03/2018	68	111	45	224	442	0.01
10/04/2018	53	104	37	194	250	0.18
10/05/2018	62	102	39	203	412	T
10/06/2018	51	89	37	177	226	T
10/07/2018	50	91	35	177	223	T
10/08/2018	51	90	35	176	229	0.03
10/09/2018	52	90	35	177	236	T
10/10/2018	49	85	34	168	215	
10/11/2018	48	86	34	168	199	0.73
10/12/2018	93	146	63	302	485	0.36
10/13/2018	59	112	40	211	380	0.07
10/14/2018	53	97	39	189	259	T
10/15/2018	51	93	37	181	246	0.10
10/16/2018	57	95	40	192	310	T
10/17/2018	48	92	34	174	222	
10/18/2018	84	47	53	184	207	
10/19/2018	47	89	31	167	200	
10/20/2018	49	87	33	170	269	0.07
10/21/2018	48	84	31	164	213	T
10/22/2018	47	92	49	188	217	
10/23/2018	46	89	50	185	197	
10/24/2018	46	71	41	157	190	
10/25/2018	45	81	30	156	187	
10/26/2018	45	134	31	211	187	0.31
10/27/2018	65	108	52	225	453	0.87
10/28/2018	79	141	50	270	430	T
10/29/2018	49	91	32	172	213	0.01
10/30/2018	46	87	33	167	205	
10/31/2018	46	84	27	157	211	
TOTAL	1,701	2,974	1,202	5,878		3.08
AVG	55	96	39	190		
			MIN	156	187	
			MAX	302	485	

\* ADJUSTED FOR RECYCLE.





**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF OCTOBER 2018**

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**10/19/2018**

**Toxicity, Ceriodaphnia acute**

**1**

**Toxicity, Ceriodaphnia chronic**

**1**

**Toxicity, Pimphales acute**

**1**

**Toxicity, Pimphales chronic**

**1**



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

**PA0026689**  
 PERMIT NUMBER

**001**  
 OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **10/01/2018**  
 DMR Effective To: **10/31/2018**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2018	10	01	TO	2018	10	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	3.9	5.6	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	7.1	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	4785	6364	lbs/day	***	3	4	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	5.87	6.65	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.675	.769	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.153	2.520	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	6.68	7.80	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.129	.158	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0039	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	<.050	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0040	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.2017	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0683	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0030	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total (01092)	Sample Measurement	***	***	***	***	<.0250	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	190	302	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.26	.36	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	7	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	4884	6256	lbs/day	***	3	4	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	18222	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 10/01/2018  
 DMR Effective To: 10/31/2018  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2018	10	01	TO	2018	10	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	97	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	99	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**BUREAU OF CLEAN WATER**  
**DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
NE Daily Composite (11-21-2018).PDF	Laboratory Accreditation Form	2018-11-28T08:42:07-05:00	
NE Daily Grab (11-21-2018).pdf	Laboratory Accreditation Form	2018-11-28T08:42:33-05:00	
NE WET Testing Composite (11-21-2018).PDF	Laboratory Accreditation Form	2018-11-28T08:43:06-05:00	
October 2018_NPDES Fecal Coliforms Results_Non accredited lab.pdf	Other	2018-11-28T08:44:35-05:00	Letter explaining lab accreditation suspension for 10/1 - 10/3 for Fecal
201810SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-11-28T08:41:26-05:00	
BLSNE201810.xls	Nutrient Monitoring Form	2018-11-28T08:40:32-05:00	
NECSO 201810.xls	CSO Detailed Outfall Report Form	2018-11-28T08:41:01-05:00	
E-NPDES NE-201810.xls	Daily Effluent Monitoring Form	2018-11-28T08:40:01-05:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. The fecal coliform samples that were collected on the first 3 days of the month were analyzed while the lab was under accreditation suspension due to the lab accreditation renewal fee not being received in time. All analysis was accredited and please see the attached letter for additional information. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2018	11	28
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

## BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
OCTOBER 2018	Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP MGD	Sludge Processed by Biosolids Recycle Center / Synagro MGD	DT	Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP MGD	Sludge Processed by Biosolids Recycle Center / Synagro MGD	DT
10/01/2018	0.832	0.924	133.42	1.231	1.231	198.3
10/02/2018	-			1.351	0.880	144.0
10/03/2018	0.807	0.505	66.20	1.443	1.419	190.1
10/04/2018	-	0.210	28.25	1.425	1.643	152.2
10/05/2018	-			1.297	1.573	170.6
10/06/2018	0.919	0.956	122.52	1.762	1.825	197.9
10/07/2018	0.859	0.762	104.30	1.307	1.501	175.4
10/08/2018	0.842	0.536	73.64	0.618	0.158	19.3
10/09/2018	0.838	0.375	43.87	1.455	1.519	175.6
10/10/2018	-	0.640	70.54	0.978	1.191	138.7
10/11/2018	0.866	0.697	95.43	1.248	0.651	83.6
10/12/2018	0.861	0.941	135.92	1.310	1.097	132.7
10/13/2018	0.857	0.581	61.62	0.710	1.400	150.7
10/14/2018	0.851	0.851	88.41	1.261	1.215	129.8
10/15/2018	0.866	0.682	80.58	0.514	0.146	23.7
10/16/2018	0.829	1.286	164.77	0.000	0.423	55.4
10/17/2018	-			1.029	0.564	61.0
10/18/2018	0.820	0.271	39.66	0.502	0.912	103.1
10/19/2018	-			0.914	0.362	43.7
10/20/2018	0.961	0.954	126.92	1.684	1.812	226.1
10/21/2018	0.714	1.380	183.71	1.117	1.454	186.3
10/22/2018	0.819	0.988	125.30	1.152	1.148	146.0
10/23/2018	0.840	0.794	93.38	1.283	1.005	118.7
10/24/2018	0.886	0.702	88.82	1.251	1.343	152.5
10/25/2018	0.834	0.950	127.30	0.996	0.899	114.4
10/26/2018	0.606	-		1.350	1.190	123.2
10/27/2018	1.166	1.058	96.67	1.158	1.461	137.2
10/28/2018	-			1.409	1.179	143.1
10/29/2018	0.880	0.880	110.93	0.553	0.829	121.3
10/30/2018	0.893	1.301	166.11	1.010	1.025	109.1
10/31/2018	0.902	0.476	59.05	0.659	0.576	72.1
<b>TOTAL</b>	20.548	19.700	2,487	33.977	33.631	3,996
<b>AVERAGE</b>	0.856	0.788	99	1.096	1.085	129

NE Daily Composite

Report: NPW20181121-001  
 Report Date: 11/21/2018

WW181003-012

Composite 24h 10/03/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Nitrate	EPA 300.0 rev 2.1			10/3/2018	20:09	0.433	mg/L as N	0.25	mg/L as N
Nitrite	EPA 300.0 rev 2.1			10/3/2018	20:09	0.112	mg/L as N	0.05	mg/L as N

Data Qualifiers:

Nitrate	BLS was not an accredited laboratory at the time of this analysis. Unless otherwise noted here, all analytical quality control measures were evaluated to be acceptable; the result may be used for informational or research purposes, but may not be reported to the PA DEP or EPA under any regulatory monitoring program, including Safe Drinking Water Act or Clean Water Act.
Nitrite	BLS was not an accredited laboratory at the time of this analysis. Unless otherwise noted here, all analytical quality control measures were evaluated to be acceptable; the result may be used for informational or research purposes, but may not be reported to the PA DEP or EPA under any regulatory monitoring program, including Safe Drinking Water Act or Clean Water Act.

WW181003-013

Composite 24h 10/03/2018 06:40

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Nitrate	EPA 300.0 rev 2.1			10/3/2018	21:05	0.300	mg/L as N	0.25	mg/L as N
Nitrite	EPA 300.0 rev 2.1			10/3/2018	21:05	0.065	mg/L as N	0.05	mg/L as N

Data Qualifiers:

Nitrate	BLS was not an accredited laboratory at the time of this analysis. Unless otherwise noted here, all analytical quality control measures were evaluated to be acceptable; the result may be used for informational or research purposes, but may not be reported to the PA DEP or EPA under any regulatory monitoring program, including Safe Drinking Water Act or Clean Water Act.
Nitrite	BLS was not an accredited laboratory at the time of this analysis. Unless otherwise noted here, all analytical quality control measures were evaluated to be acceptable; the result may be used for informational or research purposes, but may not be reported to the PA DEP or EPA under any regulatory monitoring program, including Safe Drinking Water Act or Clean Water Act.

WW181003-014

Composite 24h 10/03/2018 06:34

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Nitrate	EPA 300.0 rev 2.1			10/3/2018	22:59	0.678	mg/L as N	0.25	mg/L as N
Nitrite	EPA 300.0 rev 2.1			10/3/2018	22:59	0.121	mg/L as N	0.05	mg/L as N

Data Qualifiers:

Nitrate	BLS was not an accredited laboratory at the time of this analysis. Unless otherwise noted here, all analytical quality control measures were evaluated to be acceptable; the result may be used for informational or research purposes, but may not be reported to the PA DEP or EPA under any regulatory monitoring program, including Safe Drinking Water Act or Clean Water Act.
Nitrite	BLS was not an accredited laboratory at the time of this analysis. Unless otherwise noted here, all analytical quality control measures were evaluated to be acceptable; the result may be used for informational or research purposes, but may not be reported to the PA DEP or EPA under any regulatory monitoring program, including Safe Drinking Water Act or Clean Water Act.

WW181010-012

Composite 24h 10/10/2018 06:15



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/10/2018	12:10	10/15/2018	8:20	117	mg/L	2	mg/L
TKN	SM 4500 Norg D	10/29/2018	12:57	10/31/2018	12:20	20.2	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	CBOD GGA recovery is 232 mg/L, acceptance limits are 168 to 229 mg/L.
TKN	Laboratory Fortified Matrix (LFM) recovery is 114%. Acceptance limits are 90-110%.

WW181010-013

Composite 24h 10/10/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/10/2018	12:10	10/15/2018	8:20	122	mg/L	2	mg/L
TKN	SM 4500 Norg D	10/29/2018	12:57	10/31/2018	12:21	19.0	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	CBOD GGA recovery is 232 mg/L, acceptance limits are 168 to 229 mg/L.
TKN	Laboratory Fortified Matrix (LFM) recovery is 114%. Acceptance limits are 90-110%.

WW181010-014

Composite 24h 10/10/2018 06:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/10/2018	12:10	10/15/2018	8:20	128	mg/L	2	mg/L
TKN	SM 4500 Norg D	10/29/2018	12:57	10/31/2018	12:23	23.2	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	CBOD GGA recovery is 232 mg/L, acceptance limits are 168 to 229 mg/L.
TKN	Laboratory Fortified Matrix (LFM) recovery is 114%. Acceptance limits are 90-110%.

WW181010-015

Composite 24h 10/10/2018 07:05

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/10/2018	12:10	10/15/2018	8:20	2.00	mg/L	2	mg/L
TKN	SM 4500 Norg D	10/29/2018	12:57	10/31/2018	12:36	5.37	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	CBOD GGA recovery is 232 mg/L, acceptance limits are 168 to 229 mg/L.
TKN	Laboratory Fortified Matrix (LFM) recovery is 114%. Acceptance limits are 90-110%.

WW181015-013

Composite 24h 10/15/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	10/17/2018	12:08	11/7/2018	11:23	19.0	mg/L as N	1.0	mg/L as N

## Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 77%. Acceptance limits are 90-110%.
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WW181015-014

Composite 24h 10/15/2018 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	10/17/2018	12:08	11/7/2018	11:41	26.4	mg/L as N	1.0	mg/L as N

## Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 77%. Acceptance limits are 90-110%.
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WW181015-015

Composite 24h 10/15/2018 06:10

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	10/17/2018	12:08	11/7/2018	11:36	18.8	mg/L as N	1.0	mg/L as N

## Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 77%. Acceptance limits are 90-110%.
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WW181022-011

Composite 24h 10/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/22/2018	8:30	10/27/2018	8:45	152	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	CBOD GGA recovery is 237 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181022-012

Composite 24h 10/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/22/2018	8:30	10/27/2018	8:45	149	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	CBOD GGA recovery is 237 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181022-013

Composite 24h 10/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/22/2018	8:30	10/27/2018	8:45	155	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	CBOD GGA recovery is 237 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181022-014

Composite 24h 10/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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CBOD5	SM 5210 B	10/22/2018	8:30	10/27/2018	8:45	3.00	mg/L	2	mg/L
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Data Qualifiers:

CBOD5	CBOD GGA recovery is 237 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181023-010

Composite 24h 10/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/23/2018	12:10	10/28/2018	7:55	121	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181023-011

Composite 24h 10/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/23/2018	12:10	10/28/2018	7:55	126	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181023-012

Composite 24h 10/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/23/2018	12:10	10/28/2018	7:55	117	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181023-013

Composite 24h 10/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/23/2018	12:10	10/28/2018	7:55	5.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181024-012

Composite 24h 10/24/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Nitrate	EPA 300.0 rev 2.1			10/26/2018	19:56	<0.250	mg/L as N	0.25	mg/L as N
Nitrite	EPA 300.0 rev 2.1			10/26/2018	19:56	<0.050	mg/L as N	0.05	mg/L as N

Data Qualifiers:

Nitrate	The holding time was exceeded. The sample holding time is 48 hours. Sample analysis began at 62 hours from sample collection.
Nitrite	The holding time was exceeded. The sample holding time is 48 hours. Sample analysis began at 62 hours from sample collection.

WW181024-013

Composite 24h 10/24/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Nitrate	EPA 300.0 rev 2.1			10/26/2018	20:25	<0.250	mg/L as N	0.25	mg/L as N
Nitrite	EPA 300.0 rev 2.1			10/26/2018	20:25	<0.050	mg/L as N	0.05	mg/L as N

Data Qualifiers:

Nitrate	The holding time was exceeded. The sample holding time is 48 hours. Sample analysis began at 62 hours from sample collection.
Nitrite	The holding time was exceeded. The sample holding time is 48 hours. Sample analysis began at 62 hours from sample collection.

WW181024-014

Composite 24h 10/24/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Nitrate	EPA 300.0 rev 2.1			10/26/2018	20:53	<0.250	mg/L as N	0.25	mg/L as N
Nitrite	EPA 300.0 rev 2.1			10/26/2018	20:53	<0.050	mg/L as N	0.05	mg/L as N

Data Qualifiers:

Nitrate	The holding time was exceeded. The sample holding time is 48 hours. Sample analysis began at 63 hours from sample collection.
Nitrite	The holding time was exceeded. The sample holding time is 48 hours. Sample analysis began at 63 hours from sample collection.

WW181024-015

Composite 24h 10/24/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM 5210 B	10/24/2018	11:30	10/29/2018	7:45	7.00	mg/L	2	mg/L
Nitrate	EPA 300.0 rev 2.1			10/26/2018	21:21	1.77	mg/L as N	0.25	mg/L as N
Nitrite	EPA 300.0 rev 2.1			10/26/2018	21:21	0.629	mg/L as N	0.05	mg/L as N

Data Qualifiers:

Nitrate	The holding time was exceeded. The sample holding time is 48 hours. Sample analysis began at 63 hours from sample collection.
Nitrite	The holding time was exceeded. The sample holding time is 48 hours. Sample analysis began at 63 hours from sample collection.

WW181027-010

Composite 24h 10/27/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/27/2018	12:35	11/1/2018	7:00	134	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blanks was 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181027-011

Composite 24h 10/27/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/27/2018	12:35	11/1/2018	7:00	137	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blanks was 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181027-012

Composite 24h 10/27/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/27/2018	12:35	11/1/2018	7:00	177	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blanks was 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181027-013

Composite 24h 10/27/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/27/2018	12:25	11/1/2018	7:00	6.00	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blanks was 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181030-010

Composite 24h 10/30/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/3/2018	8:30	11/4/2018	8:45	186	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	CBOD GGA recovery is 230 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181030-011

Composite 24h 10/30/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/30/2018	8:30	11/4/2018	8:45	197	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	CBOD GGA recovery is 230 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181030-012

Composite 24h 10/30/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/30/2018	8:30	11/4/2018	8:45	190	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	CBOD GGA recovery is 230 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181030-013

Composite 24h 10/30/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/30/2018	8:30	11/4/2018	8:45	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 230 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181031-012

Composite 24h 10/31/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/31/2018	12:45	11/5/2018	8:56	143	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.30, 0.22, and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181031-013

Composite 24h 10/31/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/31/2018	12:45	11/5/2018	8:56	165	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.30, 0.22, and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181031-014

Composite 24h 10/31/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/31/2018	12:45	11/5/2018	8:56	141	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.30, 0.22, and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181031-015

Composite 24h 10/31/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	10/31/2018	12:45	11/5/2018	8:56	3.00	mg/L	2	mg/L

Data Qualifiers:

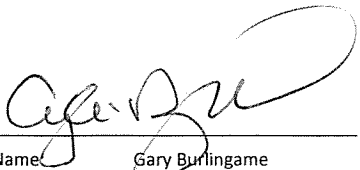
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.30, 0.22, and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
Name: Gary Burlingame  
Title: Laboratory Director  
Date: 11/21/2018

NE Daily Grab

Report: NPW20181121-007  
 Report Date: 11/21/2018

WW181001-001

Grab 10/01/2018 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	NA			1/1/2000	0:00	NR	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	BLS was not an accredited laboratory at the time of this analysis. Unless otherwise noted here, all analytical quality control measures were evaluated to be acceptable; the result may be used for informational or research purposes, but may not be reported to the PA DEP or EPA under any regulatory monitoring program, including Safe Drinking Water Act or Clean Water Act.
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WW181001-002

Grab 10/01/2018 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	NA			1/1/2000	0:00	NR	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	BLS was not an accredited laboratory at the time of this analysis. Unless otherwise noted here, all analytical quality control measures were evaluated to be acceptable; the result may be used for informational or research purposes, but may not be reported to the PA DEP or EPA under any regulatory monitoring program, including Safe Drinking Water Act or Clean Water Act.
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WW181002-001

Grab 10/02/2018 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	NA			1/1/2000	0:00	NR	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	BLS was not an accredited laboratory at the time of this analysis. Unless otherwise noted here, all analytical quality control measures were evaluated to be acceptable; the result may be used for informational or research purposes, but may not be reported to the PA DEP or EPA under any regulatory monitoring program, including Safe Drinking Water Act or Clean Water Act.
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WW181002-002

Grab 10/02/2018 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	NA			1/1/2000	0:00	NR	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	BLS was not an accredited laboratory at the time of this analysis. Unless otherwise noted here, all analytical quality control measures were evaluated to be acceptable; the result may be used for informational or research purposes, but may not be reported to the PA DEP or EPA under any regulatory monitoring program, including Safe Drinking Water Act or Clean Water Act.
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WW181003-001

Grab 10/03/2018 09:09



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	NA			1/1/2000	0:00	NR	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	BLS was not an accredited laboratory at the time of this analysis. Unless otherwise noted here, all analytical quality control measures were evaluated to be acceptable; the result may be used for informational or research purposes, but may not be reported to the PA DEP or EPA under any regulatory monitoring program, including Safe Drinking Water Act or Clean Water Act.
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WW181003-002

Grab 10/03/2018 09:12

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	NA			1/1/2000	0:00	NR	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	BLS was not an accredited laboratory at the time of this analysis. Unless otherwise noted here, all analytical quality control measures were evaluated to be acceptable; the result may be used for informational or research purposes, but may not be reported to the PA DEP or EPA under any regulatory monitoring program, including Safe Drinking Water Act or Clean Water Act.
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WW181026-001

Grab 10/26/2018 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18 /Quantitray			10/27/2018	7:34	4.1	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.7076. The maximum acceptable PCV is 0.577. The measured results were 4.1 MPN/100mL and <1 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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WW181026-002

Grab 10/26/2018 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18 /Quantit			10/27/2018	7:34	7.5	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.7076. The maximum acceptable PCV is 0.577. The measured results were 4.1 MPN/100mL and <1 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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WW181028-001

Grab 10/28/2018 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18 /Quantitray			10/29/2018	7:36	2.0	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.6128. The maximum acceptable PCV is 0.577. The measured results were 4.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18 /Quantit			10/29/2018	7:36	3.0	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

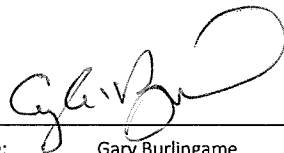
Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.6128. The maximum acceptable PCV is 0.577. The measured results were 4.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: Gary Burlingame  
 Title: Laboratory Director  
 Date: 11/21/2018



Debra A. McCarty, Water Commissioner

December 28, 2018

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for November 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 11/01/2018-11/30/2018

**Report Due Date:** 12/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 128117

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for November 2018

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT

## NEWPCP - NOVEMBER 2018

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD	
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	LBS	20 LBS*** (mg/L)
Th	11/01/2018	158	214	2	99	2,632	138	2	99	2,632		
F	11/02/2018	159	175	2	99	2,649	133	4	97	5,299		
S	11/03/2018	299	262	6	98	14,954	123	5	96	12,462		
Su	11/04/2018	197	157	2	99	3,284	109	3	97	4,926		
M	11/05/2018	167	268	2	99	2,790	188	2	99	2,790	12	
T	11/06/2018	269	177	6	97	13,462	88	4	95	8,975		
W	11/07/2018	289	149	11	93	26,511	79	6	92	14,461	16	
Th	11/08/2018	191	105	2	98	3,186	101	2	98	3,186		
F	11/09/2018	178	243	2	99	2,973	150	2	99	2,973		
S	11/10/2018	265	117	7	94	15,473	92	6	94	13,263		
Su	11/11/2018	194	178	2	99	3,228	102	2	98	3,228		
M	11/12/2018	188	156	3	98	4,691	105	2	98	3,128	10	
T	11/13/2018	253	162	5	97	10,533	120	4	97	8,426		
W	11/14/2018	277	212	9	96	20,792	131	6	95	13,862	16	
Th	11/15/2018	201	170	2	99	3,347	106	6	94	10,042		
F	11/16/2018	307	137	9	93	23,006	82	5	94	12,781		
S	11/17/2018	320	136	16	88	42,707	65	8	88	21,354		
Su	11/18/2018	197	237	2	99	3,287	126	3	98	4,930		
M	11/19/2018	201	122	4	97	6,704	94	4	96	6,704	12	
T	11/20/2018	200	191	4	98	6,688	113	3	97	5,016		
W	11/21/2018	212	151	2	99	3,532	96	3	97	5,299	17	
Th	11/22/2018	196	159	3	98	4,916	139	3	98	4,916		
F	11/23/2018	273	196	2	99	4,546	146	3	98	6,818		
S	11/24/2018	193	162	3	98	4,817	119	2	98	3,211		
Su	11/25/2018	328	154	14	91	38,337	106	10	91	27,384		
M	11/26/2018	291	120	8	93	19,432	70	5	93	12,145	15	
T	11/27/2018	338	117	20	85	52,540	56,453	59	5	92	14,113	
W	11/28/2018	259	123	5	96	10,788	73	5	93	10,788	13	
Th	11/29/2018	237	154	3	98	5,918	84	5	94	9,864		
F	11/30/2018	225	211	3	99	5,631	105	2	98	3,754		
S	12/01/2018	179	169	5	97	7,446	122	3	98	4,467		

TOTAL	7,060	5,114					3,242				
AVERAGE	235	170	5	96	83	12,112	108	4	96	8,624	14

Wk1	222	174	5	97		9,668	115	4	96	7,225
Wk2	248	164	7	96		15,472	102	5	95	10,403
Wk3	210	174	3	98		4,927	119	3	97	5,271
Wk4	265	150	8	94		20,013	88	5	94	11,788

MAX 338

CBOD 20 LBS-- 27,642

NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.

\*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.

\*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.

(a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - NOVEMBER 2018**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		EFFLUENT N	EFFLUENT S					
Th 11/01/2018	158	6.8	6.9	4.9	0.34	4		
F 11/02/2018	159	6.7	6.7	4.6	0.39	3		
S 11/03/2018	299	6.6	6.6	4.9	0.33	14		
Su 11/04/2018	197	7.0	6.9	6.0	0.28	2		
M 11/05/2018	167	6.9	6.9	5.3	0.38	5		
T 11/06/2018	269	7.0	6.9	6.1	0.32	6		
W 11/07/2018	289	6.8	6.8	6.3	0.28	4		
Th 11/08/2018	191	7.0	7.0	6.4	0.25	5		
F 11/09/2018	178	7.0	7.0	6.5	0.30	3		
S 11/10/2018	265	7.0	7.0	6.8	0.21	16		
Su 11/11/2018	194	6.9	6.8	6.8	0.16	15		
M 11/12/2018	188	7.0	6.9	6.5	0.22	14		
T 11/13/2018	253	6.6	6.6	6.6	0.16	1,293		
W 11/14/2018	277	6.8	6.9	6.0	0.20	22		
Th 11/15/2018	201	6.9	6.8	6.6	0.25	39		
F 11/16/2018	307	6.9	6.8	6.9	0.26	1,043		
S 11/17/2018	320	6.9	6.8	5.6	0.16	15		
Su 11/18/2018	197	7.0	6.9	5.4	0.21	4		
M 11/19/2018	201	7.0	6.9	4.7	0.25	24		
T 11/20/2018	200	6.9	6.9	5.2	0.27	9		
W 11/21/2018	212	6.9	6.9	5.6	0.26	4		
Th 11/22/2018	196	6.8	6.9	6.8	0.25	5		
F 11/23/2018	273	6.9	6.9	6.8	0.28	5		
S 11/24/2018	193	6.9	6.9	6.8	0.24	6		
Su 11/25/2018	328	6.9	6.7	5.8	0.25	38		
M 11/26/2018	291	6.9	6.9	5.4	0.23	4		
T 11/27/2018	338	6.6	6.7	5.7	0.31	10		
W 11/28/2018	259	6.8	6.8	5.6	0.22	7		
Th 11/29/2018	237	6.9	6.9	5.7	0.27	5		
F 11/30/2018	225	6.8	6.8	5.0	0.23	3		
TOTAL	7,060	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	235	6.6	7.0	4.6	5.9	0.26	0.39	MEAN
								10

Wk1 222  
Wk2 248  
Wk3 210  
Wk4 265

**MAX** 338

	EFFLUENT	GEO
NPDES/D	MIN MAX	MEAN
LIMITS	6.0 9.0	<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - NOVEMBER 2018  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
11/01/2018	0.40	0.28	0.34	4.7	5.0	4.9	3	5	4
11/02/2018	0.47	0.30	0.39	4.4	4.7	4.6	2	4	3
11/03/2018	0.46	0.19	0.33	4.9	4.9	4.9	12	16	14
11/04/2018	0.36	0.19	0.28	5.9	6.1	6.0	3	1	2
11/05/2018	0.43	0.33	0.38	5.3	5.2	5.3	2	14	5
11/06/2018	0.42	0.21	0.32	5.9	6.2	6.1	5	6	6
11/07/2018	0.32	0.23	0.28	6.2	6.4	6.3	3	6	4
11/08/2018	0.28	0.21	0.25	6.1	6.6	6.4	5	5	5
11/09/2018	0.31	0.28	0.30	6.3	6.6	6.5	4	2	3
11/10/2018	0.25	0.17	0.21	6.7	6.9	6.8	16	16	16
11/11/2018	0.19	0.13	0.16	6.6	7.0	6.8	12	20	15
11/12/2018	0.22	0.21	0.22	6.3	6.6	6.5	12	16	14
11/13/2018	0.21	0.11	0.16	6.5	6.7	6.6	> 2,420	691	1,293
11/14/2018	0.21	0.19	0.20	5.9	6.1	6.0	25	19	22
11/15/2018	0.25	0.24	0.25	6.4	6.8	6.6	41	37	39
11/16/2018	0.28	0.24	0.26	6.7	7.1	6.9	1,986	548	1,043
11/17/2018	0.19	0.13	0.16	5.5	5.7	5.6	10	22	15
11/18/2018	0.25	0.17	0.21	5.2	5.6	5.4	3	5	4
11/19/2018	0.27	0.23	0.25	4.5	4.8	4.7	17	32	24
11/20/2018	0.28	0.25	0.27	5.0	5.4	5.2	8	10	9
11/21/2018	0.28	0.23	0.26	5.4	5.7	5.6	3	5	4
11/22/2018	0.26	0.23	0.25	6.4	7.1	6.8	6	4	5
11/23/2018	0.31	0.24	0.28	6.7	6.9	6.8	5	5	5
11/24/2018	0.28	0.20	0.24	6.6	7.0	6.8	5	7	6
11/25/2018	0.28	0.22	0.25	5.6	5.9	5.8	37	39	38
11/26/2018	0.26	0.20	0.23	5.3	5.5	5.4	6	3	4
11/27/2018	0.24	0.38	0.31	5.5	5.8	5.7	13	7	10
11/28/2018	0.21	0.22	0.22	5.5	5.6	5.6	11	5	7
11/29/2018	0.29	0.25	0.27	5.9	5.4	5.7	5	5	5
11/30/2018	0.21	0.25	0.23	4.7	5.2	5.0	6	1	3
AVG	0.29	0.22	0.26	5.8	6.0	5.9	10	10	10

**PERMIT  
NEWPCP - NOVEMBER 2018**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
11/01/2018			
11/02/2018			
11/03/2018			
11/04/2018			
11/05/2018	172	4	98%
11/06/2018			
11/07/2018	90	12	87%
11/08/2018			
11/09/2018			
11/10/2018			
11/11/2018			
11/12/2018	112	6	95%
11/13/2018			
11/14/2018			
11/15/2018			
11/16/2018			
11/17/2018			
11/18/2018			
11/19/2018	132	5	96%
11/20/2018			
11/21/2018	107	4	96%
11/22/2018			
11/23/2018			
11/24/2018			
11/25/2018			
11/26/2018	77	11	86%
11/27/2018			
11/28/2018	79	7	91%
11/29/2018			
11/30/2018			
AVG	110	7	93%



DESIGN - 210 MGD

NEWPCP - NOVEMBER 2018						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
11/01/2018	45	81	31	158		T
11/02/2018	45	82	32	159		0.37
11/03/2018	76	175	48	299		0.27
11/04/2018	57	107	33	197		
11/05/2018	47	89	31	167		0.55
11/06/2018	84	136	49	269		1.65
11/07/2018	81	151	57	289		
11/08/2018	52	101	38	191		
11/09/2018	50	94	34	178		0.75
11/10/2018	78	138	50	265		T
11/11/2018	53	108	33	194		
11/12/2018	53	102	33	188		0.23
11/13/2018	74	127	51	253		1.04
11/14/2018	78	152	47	277		
11/15/2018	56	107	38	201		0.98
11/16/2018	83	162	61	307		0.26
11/17/2018	89	183	48	320		
11/18/2018	67	91	39	197		
11/19/2018	65	99	37	201		
11/20/2018	62	87	52	200		0.02
11/21/2018	60	114	38	212		
11/22/2018	59	102	35	196		
11/23/2018	60	177	36	273		
11/24/2018	57	101	35	193		2.01
11/25/2018	94	169	66	328		0.01
11/26/2018	76	169	46	291		0.89
11/27/2018	94	185	60	338		T
11/28/2018	71	147	40	259		
11/29/2018	68	132	37	237		
11/30/2018	66	124	35	225		
TOTAL	1,998	3,791	1,271	7,060		9.03
AVG	67	126	42	235		
			MIN	158		
			MAX	338		

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>
PERMIT NUMBER

<b>001</b>
OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **11/01/2018**  
 DMR Effective To: **11/30/2018**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2018	11	01	TO	2018	11	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	4.6	5.9	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	7.0	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	12112	20013	lbs/day	***	5	8	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	3.34	4.30	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	479	511	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.673	3.380	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	4.63	5.58	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.199	.331	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0096	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	<.050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0080	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.7890	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0550	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0310	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	235	338	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.26	.39	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	10	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	8624	11788	lbs/day	***	4	5	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	27642	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 11/01/2018  
 DMR Effective To: 11/30/2018  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2018	11	01	TO	2018	11	30

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
NECSO 201811.xls	CSO Detailed Outfall Report Form	2018-12-27T10:31:50-05:00	
NE Daily Grab (12-21-2018).pdf	Laboratory Accreditation Form	2018-12-27T10:33:08-05:00	
201811SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2018-12-28T09:15:53-05:00	
E-NPDES NE-201811.xls	Daily Effluent Monitoring Form	2018-12-27T10:30:27-05:00	
NE Daily Composite (12-21-2018).pdf	Laboratory Accreditation Form	2018-12-27T10:32:34-05:00	
NE Outfall Monthly Grab (12-21-2018).pdf	Laboratory Accreditation Form	2018-12-27T10:33:42-05:00	
BLSNE201811.xls	Nutrient Monitoring Form	2018-12-27T10:29:37-05:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES Permit requirements were met during the month. There were no CSO's caused by plant activities. A flow in excess of 315 MGD qualified for permit relief on the 27th of the month and was used in compliance reporting. Flows on the 17th and 25th of the month were also in excess of 315 MGD but the permit relief was not used on these days Please see attachment for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false information may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2018	12	28
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
 Northeast Water Pollution Control Plant  
**NPDES SUMMARY FOR THE MONTH OF NOVEMBER 2018**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
11/07/2018	0.472	2.270	2.83	4.78	0.331
11/14/2018	0.425	2.210	2.75	4.19	0.215
11/21/2018	0.511	2.830	4.30	5.58	0.132
11/28/2018	0.509	3.380	3.47	3.98	0.118
<b>AVG</b>	0.479	2.673	3.34	4.63	0.199
<b>MAX</b>	0.511	3.380	4.30	5.58	0.331

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
11/07/2018	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	11/07/2018
Copper	0.0080
Iron	0.7890
Iron Dissolved	0.0550
Lead	< 0.0030
Zinc	0.0310

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	11/06/2018
1,2-Dichloroethane	< 0.0005
Chloroform	0.0096
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005

File Name: 201811SL  
 Print Date: 12/26/2018

## BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
NOVEMBER 2018	Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP	Sludge Processed by MGD	DT	Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP	Sludge Processed by MGD	DT
	MGD	MGD	DT	MGD	MGD	DT
11/01/2018	-	0.754	112.16	1.040	0.788	83.5
11/02/2018	0.890	0.158	20.47	1.310	1.542	163.4
11/03/2018	-	0.134	14.68	1.280	1.095	115.0
11/04/2018	0.870	1.106	137.22	1.240	1.421	163.5
11/05/2018	0.860	0.616	67.91	1.000	1.224	159.4
11/06/2018	0.880	0.986	107.93	1.050	0.733	95.2
11/07/2018	0.860	0.672	73.09	1.650	2.111	271.0
11/08/2018	0.820	1.493	180.42	0.750	0.322	41.1
11/09/2018	-	0.091	9.45	1.210	1.328	215.0
11/10/2018	1.740	0.932	108.47	1.400	0.982	108.7
11/11/2018	-	0.598	79.57	1.530	1.994	250.5
11/12/2018	0.890	0.425	54.81	1.140	0.958	88.2
11/13/2018	-	0.207	21.80	1.100	0.946	79.8
11/14/2018	0.860	0.508	55.02	1.480	1.372	143.0
11/15/2018	0.880	1.248	129.67	0.800	0.902	91.9
11/16/2018	0.420	0.065	6.35	1.280	1.534	143.7
11/17/2018	1.270	1.810	220.85	1.320	1.101	99.1
11/18/2018	0.840	0.941	108.91	1.200	1.202	115.8
11/19/2018	0.850	0.477	47.95	1.480	1.988	206.7
11/20/2018	-	0.562	60.71	1.410	0.844	104.5
11/21/2018	0.890	0.569	56.02	1.060	1.425	139.1
11/22/2018	-	0.035	2.10	1.730	2.215	258.1
11/23/2018	0.880	1.144	127.83	0.670	0.475	51.9
11/24/2018	0.880	0.656	71.64	2.080	1.242	132.7
11/25/2018	0.870	0.649	60.84	1.300	1.381	141.1
11/26/2018	0.840	0.698	73.95	0.380	1.019	122.7
11/27/2018	-	0.415	-	1.330	1.108	101.6
11/28/2018	0.880	0.723	75.81	1.060	1.137	105.6
11/29/2018	0.890	0.669	70.51	0.770	0.733	86.3
11/30/2018	0.900	0.624	72.21	0.960	0.774	71.1
<b>TOTAL</b>	19.960	19.964	2,228	36.010	35.897	3,949
<b>AVERAGE</b>	0.665	0.665	74	1.200	1.197	132

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20181221-001  
 Report Date: 12/21/2018

NE Daily Composite

WW181108-010

Composite 24h 11/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/8/2018	10:10	11/13/2018	7:40	102	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181108-011

Composite 24h 11/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/8/2018	10:10	11/13/2018	7:40	107	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181108-012

Composite 24h 11/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/8/2018	10:10	11/13/2018	7:40	98.0	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181108-013

Composite 24h 11/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/8/2018	10:10	11/13/2018	7:40	2.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181114-012

Composite 24h 11/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	12/4/2018	9:30	12/7/2018	11:43	16.0	mg/L as N	1.0	mg/L as N



## Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 80%. Acceptance limits are 90-110%.
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WW181114-013

Composite 24h 11/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	12/4/2018	9:30	12/7/2018	11:44	22.2	mg/L as N	1.0	mg/L as N

## Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 80%. Acceptance limits are 90-110%.
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WW181114-014

Composite 24h 11/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	12/4/2018	9:30	12/7/2018	11:45	17.4	mg/L as N	1.0	mg/L as N

## Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 80%. Acceptance limits are 90-110%.
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WW181115-010

Composite 24h 11/15/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/15/2018	13:32	11/20/2018	11:41	104	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	11/15/2018	7:40	11/15/2018	9:40	132	mg/L	2.5	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.39 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 118%. Acceptance limits are 90 to 110%.

WW181115-011

Composite 24h 11/15/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/15/2018	13:32	11/20/2018	11:41	110	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	11/15/2018	7:40	11/15/2018	9:40	180	mg/L	2.5	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.39 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 118%. Acceptance limits are 90 to 110%.

WW181115-012

Composite 24h 11/15/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/15/2018	13:32	11/20/2018	11:41	124	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	11/15/2018	7:40	11/15/2018	9:40	156	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.39 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 118%. Acceptance limits are 90 to 110%.

WW181115-013

Composite 24h 11/15/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/15/2018	13:32	11/20/2018	11:41	3.00	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	11/15/2018	7:25	11/15/2018	9:25	2.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.39 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 118%. Acceptance limits are 90 to 110%.

WW181118-010

Composite 24h 11/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/18/2018	11:15	11/23/2018	8:16	129	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.25, 0.22, 0.24, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181118-011

Composite 24h 11/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/18/2018	11:15	11/22/2018	8:16	127	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.25, 0.22, 0.24, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181118-012

Composite 24h 11/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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CBOD5	SM 5210 B	11/18/2018	11:15	11/23/2018	8:16	113	mg/L	2.0	mg/L
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Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.25, 0.22, 0.24, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181118-013

Composite 24h 11/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/18/2018	11:15	11/23/2018	8:16	3.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.25, 0.22, 0.24, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181121-012

Composite 24h 11/21/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	12/4/2018	9:30	12/7/2018	12:06	18.3	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 80%. Acceptance limits are 90-110%.
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WW181121-013

Composite 24h 11/21/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	12/4/2018	9:30	12/7/2018	12:07	18.9	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 80%. Acceptance limits are 90-110%.
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WW181121-014

Composite 24h 11/21/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	12/4/2018	9:30	12/7/2018	12:09	19.1	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 80%. Acceptance limits are 90-110%.
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WW181122-010

Composite 24h 11/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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CBOD5	SM 5210 B	11/22/2018	8:50	11/27/2018	7:50	135	mg/L	2.0	mg/L
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Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22, and 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW181122-011

Composite 24h 11/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/22/2018	8:50	11/27/2018	7:50	144	mg/L		mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22, and 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW181122-012

Composite 24h 11/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/22/2018	8:50	11/27/2018	7:50	138	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22, and 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW181122-013

Composite 24h 11/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/22/2018	8:50	11/27/2018	7:50	3.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22, and 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW181125-010

Composite 24h 11/25/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/25/2018	9:22	11/30/2018	7:15	108	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.44 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/25/2018	9:22	11/30/2018	7:15	109	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.44 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/25/2018	9:22	11/30/2018	7:15	101	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.44 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	11/25/2018	9:22	11/30/2018	7:15	10.0	mg/L	2.0	mg/L

Data Qualifiers:

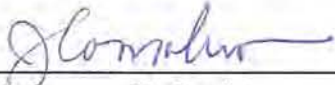
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.44 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 12/21/2018

Report: NPW20181221-002

Report Date: 12/21/2018

NE Daily Grab

WW181112-001

Grab 11/12/2018 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			11/12/2018	9:34	0.22	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 20%. The maximum acceptable RPD is 15%. The measured results were 0.08 and 0.10 mg/L.
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WW181112-002

Grab 11/12/2018 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			11/12/2018	9:34	0.21	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 20%. The maximum acceptable RPD is 15%. The measured results were 0.08 and 0.10 mg/L.
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WW181127-001

Grab 11/27/2018 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			11/27/2018	9:35	0.24	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 20%. The maximum acceptable RPD is 15%. The measured results were 0.12 and 0.10 mg/L. Quality Control Sample (QCS) recovery is 111%. Acceptance limits are 90 to 110%.
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WW181127-002

Grab 11/27/2018 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			11/27/2018	9:35	0.38	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 20%. The maximum acceptable RPD is 15%. The measured results were 0.12 and 0.10 mg/L. Quality Control Sample (QCS) recovery is 111%. Acceptance limits are 90 to 110%.
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WW181129-001

Grab 11/29/2018 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			11/29/2018	9:38	0.29	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Low Continuing Calibration Verification Standard (CCV) recovery is 121%. Acceptance limits are 90 to 110%.
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WW181129-002

Grab 11/29/2018 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Chlorine Residual Total	SM 4500-Cl G			11/29/2018	9:38	0.25	mg/L		mg/L

Data Qualifiers:

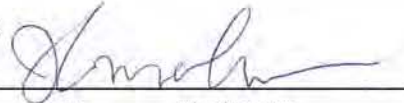
Chlorine Residual Total	Low Continuing Calibration Verification Standard (CCV) recovery is 121%. Acceptance limits are 90 to 110%.
-------------------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature:



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 12/21/2018

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Outfall Monthly Grab

Report: NPW20181221-003  
 Report Date: 12/21/2018

WW181106-010

Grab 11/06/2018 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,2-Dichloroethane	EPA 624			11/7/2018	20:19	<0.5	µg/L	0.5	µg/L
Chloroform	EPA 624			11/7/2018	20:19	9.55	µg/L	0.5	µg/L
Dibromochloromethane	EPA 624			11/7/2018	20:19	<0.5	µg/L	0.5	µg/L
Tetrachloroethene	EPA 624			11/7/2018	20:19	<0.5	µg/L	0.5	µg/L
Trichloroethene	EPA 624			11/7/2018	20:19	<0.5	µg/L	0.5	µg/L

Data Qualifiers:

1,2-Dichloroethane	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Chloroform	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Dibromochloromethane	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Tetrachloroethene	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.
Trichloroethene	The surrogate associated with this sample was above established acceptance criteria. Data may be biased high.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 12/21/2018





Debra A. McCarty, Water Commissioner

January 25, 2019

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for December 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name: PHILA WATER DEPT - NORTHEAST WPC PLANT**  
**Permit Number: PA0026689**  
**Report Frequency: Monthly**  
**Report Type: DMR**  
**Reporting Period: 12/01/2018-12/31/2018**  
**Report Due Date: 01/28/2019**

**Submitted By: Mary Ellen Senss**  
**Submission Id: 132845**  
**Submission Status: Received**  
**Submission Type: Original**

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for December 2018

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT

## NEWPCP - DECEMBER 2018

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)		
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM		LBS	LBS***
S	12/01/2018	179	169	5	97	7,446		122	3	98	4,467		
Su	12/02/2018	251	146	5	97	10,487		107	4	96	8,389		
M	12/03/2018	296	128	9	93	22,196		81	5	94	12,331	12	
T	12/04/2018	224	177	3	98	5,598		105	3	97	5,598		
W	12/05/2018	214	173	3	98	5,346		103	3	97	5,346	17	
Th	12/06/2018	191	156	3	98	4,773		101	2	98	3,182		
F	12/07/2018	184	144	2	99	3,065		123	2	98	3,065		
S	12/08/2018	174	190	3	98	4,355		117	2	98	2,903		
Su	12/09/2018	173	167	3	98	4,317		127	3	98	4,317		
M	12/10/2018	173	184	3	98	4,336		112	3	97	4,336	12	
T	12/11/2018	167	196	2	99	2,787		131	2	98	2,787		
W	12/12/2018	169	175	2	99	2,819		127	2	98	2,819	7	
Th	12/13/2018	182	171	3	98	4,547		127	3	98	4,547		
F	12/14/2018	190	280	3	99	4,743		156	2	99	3,162		
S	12/15/2018	190	188	4	98	6,353		147	3	98	4,765		
Su	12/16/2018	255	184	6	97	12,772		108	8	93	17,029		
M	12/17/2018	299	145	16	89	39,909		81	9	89	22,449	22	
T	12/18/2018	204	177	4	98	6,811		121	3	98	5,108		
W	12/19/2018	189	176	3	98	4,738		131	5	96	7,896	8	
Th	12/20/2018	190	161	3	98	4,764		113	3	97	4,764		
F	12/21/2018	297	162	13	92	32,161		118	7	94	17,317		
S	12/22/2018	337	103	19	85	82	52,540	53,426	61	11	86	82	30,931
Su	12/23/2018	227	147	5	97	9,450		95	3	97	5,670		
M	12/24/2018	215	156	4	97	7,165		94	3	97	5,374	9	
T	12/25/2018	212	153	5	97	8,850		108	3	97	5,310		
W	12/26/2018	203	154	3	98	5,067		111	3	97	5,067	9	
Th	12/27/2018	204	178	3	98	5,106		112	3	97	5,106	.	
F	12/28/2018	210	204	5	98	8,760		141	4	97	7,008		
S	12/29/2018	363	122	23	85	81	52,540	69,565	65	10	86	85	30,246
Su	12/30/2018	231	130	4	97	7,700		86	3	97	5,775		
M	12/31/2018	222	166	3	98	5,556		93	3	97	5,556		

TOTAL AVERAGE	6,813 220	5,161 166	6	96	81	11,518	3,424 110	4	96	8,149	12
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Wk1	219	159	4	97	7,974	105	3	97	5,831
Wk2	178	194	3	98	4,272	132	3	98	3,819
Wk3	253	158	9	94	21,956	105	7	93	15,071
Wk4	233	159	7	96	13,848	104	4	96	9,111

MAX 363

CBOD 20 LBS-- 23,453

NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.

\*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.

\*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.

(a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - DECEMBER 2018**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
S 12/01/2018	179	6.9	6.8	5.0	0.19	9		
Su 12/02/2018	251	6.8	6.7	3.7	0.23	115		
M 12/03/2018	296	6.8	6.8	4.7	0.23	11		
T 12/04/2018	224	6.9	6.8	5.8	0.26	8		
W 12/05/2018	214	7.1	7.1	5.5	0.23	12		
Th 12/06/2018	191	7.0	6.9	6.1	0.23	9		
F 12/07/2018	184	6.9	6.9	6.3	0.24	5		
S 12/08/2018	174	7.0	6.9	6.8	0.22	7		
Su 12/09/2018	173	6.9	6.9	6.9	0.28	3		
M 12/10/2018	173	7.0	6.9	6.1	0.31	8		
T 12/11/2018	167	7.0	7.0	6.5	0.28	4		
W 12/12/2018	169	6.9	6.8	6.2	0.27	5		
Th 12/13/2018	182	6.9	6.8	7.1	0.32	16		
F 12/14/2018	190	7.0	7.0	6.6	0.39	14		
S 12/15/2018	190	6.8	6.8	6.1	0.46	8		
Su 12/16/2018	255	6.8	6.7	5.4	0.23	355		
M 12/17/2018	299	6.8	6.8	4.4	0.22	57		
T 12/18/2018	204	6.7	6.7	5.3	0.55	1		
W 12/19/2018	189	6.9	6.8	5.0	0.44	4		
Th 12/20/2018	190	6.8	6.8	5.3	0.29	5		
F 12/21/2018	297	6.7	6.5	3.0	0.19	1,304		
S 12/22/2018	337	6.8	6.8	5.7	0.19	54		
Su 12/23/2018	227	6.9	6.9	6.4	0.22	21		
M 12/24/2018	215	6.9	6.9	6.0	0.22	13		
T 12/25/2018	212	6.9	6.9	6.6	0.18	6		
W 12/26/2018	203	6.9	6.9	6.4	0.25	6		
Th 12/27/2018	204	6.9	6.9	6.6	0.28	10		
F 12/28/2018	210	6.7	6.7	3.8	0.32	627		
S 12/29/2018	363	6.9	6.8	5.4	0.19	14		
Su 12/30/2018	231	6.7	6.8	5.7	0.22	4		
M 12/31/2018	222	6.9	6.8	4.9	0.25	1		
TOTAL	6,813	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	220	6.5	7.1	3.0	5.6	0.27	0.55	MEAN
								13

Wk1 219  
Wk2 178  
Wk3 253  
Wk4 233

**MAX** 363

	EFFLUENT		GEO
NPDES/D	MIN	MAX	MEAN
LIMITS	6.0	9.0	<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - DECEMBER 2018  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	MN (MPN 100 mL)
12/01/2018	0.20	0.18	0.19	4.8	5.2	5.0	12	6	9
12/02/2018	0.21	0.24	0.23	3.7	3.7	3.7	125	106	115
12/03/2018	0.22	0.24	0.23	4.7	4.7	4.7	20	6	11
12/04/2018	0.25	0.26	0.26	5.6	6.0	5.8	7	9	8
12/05/2018	0.24	0.22	0.23	5.5	5.5	5.5	13	11	12
12/06/2018	0.26	0.20	0.23	6.0	6.2	6.1	4	21	9
12/07/2018	0.27	0.21	0.24	6.3	6.3	6.3	5	4	5
12/08/2018	0.27	0.16	0.22	6.6	7.0	6.8	6	7	7
12/09/2018	0.32	0.23	0.28	6.6	7.1	6.9	< 1	8	3
12/10/2018	0.34	0.28	0.31	5.9	6.2	6.1	9	8	8
12/11/2018	0.32	0.24	0.28	6.5	6.5	6.5	4	4	4
12/12/2018	0.27	0.26	0.27	6.0	6.4	6.2	3	8	5
12/13/2018	0.34	0.30	0.32	6.7	7.5	7.1	16	16	16
12/14/2018	0.39	0.39	0.39	6.4	6.7	6.6	13	15	14
12/15/2018	0.44	0.47	0.46	5.8	6.3	6.1	6	10	8
12/16/2018	0.22	0.23	0.23	5.2	5.6	5.4	345	365	355
12/17/2018	0.21	0.23	0.22	4.5	4.3	4.4	91	36	57
12/18/2018	0.61	0.49	0.55	5.4	5.1	5.3	< 1	2	1
12/19/2018	0.54	0.34	0.44	4.7	5.2	5.0	3	4	4
12/20/2018	0.30	0.27	0.29	5.2	5.4	5.3	5	5	5
12/21/2018	0.20	0.17	0.19	3.0	2.9	3.0	1,203	1,414	1,304
12/22/2018	0.18	0.19	0.19	5.6	5.8	5.7	93	32	54
12/23/2018	0.20	0.23	0.22	6.3	6.5	6.4	40	11	21
12/24/2018	0.23	0.21	0.22	5.8	6.2	6.0	35	5	13
12/25/2018	0.18	0.18	0.18	6.5	6.6	6.6	16	2	6
12/26/2018	0.23	0.27	0.25	6.4	6.4	6.4	17	2	6
12/27/2018	0.23	0.32	0.28	6.3	6.8	6.6	36	3	10
12/28/2018	0.26	0.37	0.32	3.7	3.8	3.8	> 2,420	162	627
12/29/2018	0.16	0.21	0.19	5.2	5.5	5.4	37	5	14
12/30/2018	0.18	0.26	0.22	5.8	5.5	5.7	15	1	4
12/31/2018	0.19	0.31	0.25	4.7	5.0	4.9	1 <	1	1
AVG	0.27	0.26	0.27	5.5	5.7	5.6	17	10	13

**PERMIT  
NEWPCP - DECEMBER 2018**

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
12/01/2018			
12/02/2018			
12/03/2018	85	11	87%
12/04/2018			
12/05/2018	118	7	94%
12/06/2018			
12/07/2018			
12/08/2018			
12/09/2018			
12/10/2018	150	6	96%
12/11/2018			
12/12/2018	149	5	97%
12/13/2018			
12/14/2018			
12/15/2018			
12/16/2018			
12/17/2018	88	24	73%
12/18/2018			
12/19/2018	129	5	96%
12/20/2018			
12/21/2018			
12/22/2018			
12/23/2018			
12/24/2018	102	7	93%
12/25/2018			
12/26/2018	122	7	94%
12/27/2018			
12/28/2018			
12/29/2018			
12/30/2018			
12/31/2018			
AVG	118	9	91%

DESIGN - 210 MGD

NEWPCP - DECEMBER 2018						
DATE	FHL	DEL LL	SOM/FLL*	NE TOTAL*	PEAK FLOW	RAIN
12/01/2018	64	72	43	179	266	0.07
12/02/2018	82	120	49	251	434	0.55
12/03/2018	87	161	48	296	420	
12/04/2018	63	123	39	224	274	
12/05/2018	60	118	36	214	247	0.03
12/06/2018	58	96	36	191	232	
12/07/2018	58	89	36	184	233	
12/08/2018	57	82	35	174	233	
12/09/2018	57	80	35	173	233	
12/10/2018	58	80	35	173	233	
12/11/2018	56	76	35	167	260	
12/12/2018	55	79	35	169	201	
12/13/2018	54	94	34	182	226	
12/14/2018	53	97	40	190	248	0.11
12/15/2018	59	95	37	190	280	0.44
12/16/2018	74	134	47	255	437	1.01
12/17/2018	94	157	48	299	440	T
12/18/2018	55	61	88	204	278	
12/19/2018	53	104	32	189	245	
12/20/2018	53	105	32	190	227	0.56
12/21/2018	92	146	58	297	456	1.16
12/22/2018	96	183	58	337	469	0.09
12/23/2018	62	127	38	227	276	
12/24/2018	62	117	36	215	264	0.02
12/25/2018	61	116	36	212	267	
12/26/2018	58	111	34	203	256	
12/27/2018	57	112	35	204	255	
12/28/2018	63	93	54	210	421	1.67
12/29/2018	100	200	63	363	461	
12/30/2018	64	129	37	231	266	T
12/31/2018	63	124	35	222	256	0.67
TOTAL	2,029	3,480	1,304	6,813		6.38
AVG	65	112	42	220		
			MIN	167	201	
			MAX	363	469	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

**PA0026689**  
PERMIT NUMBER

**001**  
OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **12/01/2018**  
 DMR Effective To: **12/31/2018**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2018	12	01	TO	2018	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	3.0	5.6	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.5	***	7.1	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	11518	21956	lbs/day	***	6	9	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	5.24	6.55	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	478	572	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.505	2.850	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	6.11	6.94	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.134	.152	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0039	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	<.050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.0050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.2270	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0250	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	220	363	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.27	.55	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	13	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	8149	15071	lbs/day	***	4	7	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	23453	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
<b>Facility Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 12/01/2018  
 DMR Effective To: 12/31/2018  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2018	12	01	TO	2018	12	31

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
NE Daily Composite (01-24-2019).pdf	Laboratory Accreditation Form	2019-01-24T15:27:54-05:00	
BLSNE201812.xls	Nutrient Monitoring Form	2019-01-24T15:25:38-05:00	
201812SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2019-01-24T15:27:15-05:00	
NECSO 201812.xls	CSO Detailed Outfall Report Form	2019-01-24T15:26:49-05:00	
NE Daily Grab (01-24-2019).pdf	Laboratory Accreditation Form	2019-01-24T15:28:40-05:00	
E-NPDES NE-201812.xls	Daily Effluent Monitoring Form	2019-01-24T15:25:01-05:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. A flow in excess of 315 MGD qualified for permit relief on the 22nd and 29th of the month and was used in compliance reporting. There were no CsO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2019	1	25
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

Northeast Water Pollution Control Plant

**NPDES SUMMARY FOR THE MONTH OF DECEMBER 2018**

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
12/05/2018	0.572	2.410	4.44	5.49	0.123
12/12/2018	0.570	2.850	6.55	6.94	0.152
12/19/2018	0.357	2.070	4.58	6.12	0.143
12/26/2018	0.413	2.690	5.40	5.89	0.116
<b>AVG</b>	0.478	2.505	5.24	6.11	0.134
<b>MAX</b>	0.572	2.850	6.55	6.94	0.152

**Cyanide and Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
12/05/2018	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	12/05/2018
Copper	0.0050
Iron	0.0050
Iron Dissolved	0.2270
Lead	< 0.0030
Zinc	0.0250

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	12/07/2018
1,2-Dichloroethane	< 0.0005
Chloroform	0.0039
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
DECEMBER 2018	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
12/01/2018	-	0.339	36.51	1.204	1.394	149.7
12/02/2018	-	0.366	42.03	1.090	1.167	98.3
12/03/2018	0.1818	0.278	29.09	1.302	1.060	109.7
12/04/2018	1.5537	1.489	169.27	1.093	1.335	120.7
12/05/2018	0.8888	0.935	114.79	0.919	0.919	91.8
12/06/2018	0.8990	0.917	99.46	1.865	1.879	188.2
12/07/2018	0.8825	0.760	85.70	2.254	2.256	181.7
12/08/2018	0.9074	0.782	84.79	1.236	1.192	130.3
12/09/2018	-	0.276	31.06	0.734	1.286	103.8
12/10/2018	0.8882	0.520	62.47	1.680	0.944	87.9
12/11/2018	0.8998	1.155	124.80	1.084	0.811	70.1
12/12/2018	0.9007	0.828	89.74	0.975	1.059	89.6
12/13/2018	0.9086	0.727	83.72	1.330	1.483	129.0
12/14/2018	-	-		0.609	0.701	54.0
12/15/2018	0.8763	0.423	57.66	1.518	1.696	128.5
12/16/2018	0.8785	1.559	251.71	1.358	1.646	141.4
12/17/2018	0.8362	0.839	108.18	1.421	0.807	69.0
12/18/2018	0.7993	0.799	104.14	1.961	2.053	175.5
12/19/2018	0.9030	0.811	66.16	1.075	1.259	107.9
12/20/2018	0.8526	0.761	77.30	1.400	1.308	124.0
12/21/2018	-	0.286	19.81	1.194	1.230	113.3
12/22/2018	0.8459	0.514	34.30	1.115	1.070	100.4
12/23/2018	0.3979	0.122	11.81	1.019	0.743	66.5
12/24/2018	0.9526	1.118	98.14	0.447	0.772	77.7
12/25/2018	0.4450	0.819	66.28	0.979	0.994	92.5
12/26/2018	0.8949	0.591	47.58	1.074	1.311	122.1
12/27/2018	0.9108	1.105	110.08	1.074	0.786	74.0
12/28/2018	0.2581	0.000	-	1.483	1.760	143.1
12/29/2018	1.5216	1.340	161.59	1.271	0.849	65.5
12/30/2018	0.8669	1.033	143.33	0.883	1.115	87.6
12/31/2018	0.8178	1.239	127.71	1.042	0.987	81.3
<b>TOTAL</b>	21.968	22.729	2,539	37.689	37.872	3,375
<b>AVERAGE</b>	0.709	0.733	85	1.216	1.222	109

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Composite

Report: NPW20190122-001  
 Report Date: 01/22/2019

WW181202-011

Composite 24h 12/02/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/2/2018	7:45	12/2/2018	9:51	124	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 90 to 110%.
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WW181202-012

Composite 24h 12/02/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/2/2018	7:45	12/2/2018	9:51	156	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 90 to 110%.
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WW181202-013

Composite 24h 12/02/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/2/2018	7:45	12/2/2018	9:51	156	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 90 to 110%.
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WW181202-014

Composite 24h 12/02/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/2/2018	7:34	12/2/2018	9:37	5	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 90 to 110%.
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WW181206-011

Composite 24h 12/06/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/6/2018	10:45	12/11/2018	7:15	94	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	The Relative Percent Difference (RPD) between the sample and sample duplicate is 22%. The maximum acceptable RPD is 20%. The measured results were 22.4 and 17.9 mg/L.
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WW181206-012

Composite 24h 12/06/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/6/2018	10:45	12/11/2018	7:15	109	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	The Relative Percent Difference (RPD) between the sample and sample duplicate is 22%. The maximum acceptable RPD is 20%. The measured results were 22.4 and 17.9 mg/L.
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WW181206-013

Composite 24h 12/06/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/6/2018	10:45	12/11/2018	7:15	106	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	The Relative Percent Difference (RPD) between the sample and sample duplicate is 22%. The maximum acceptable RPD is 20%. The measured results were 22.4 and 17.9 mg/L.
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WW181206-014

Composite 24h 12/06/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/6/2018	10:45	12/11/2018	7:15	2	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	The Relative Percent Difference (RPD) between the sample and sample duplicate is 22%. The maximum acceptable RPD is 20%. The measured results were 22.4 and 17.9 mg/L.
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WW181207-011

Composite 24h 12/07/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/7/2018	9:20	12/12/2018	6:20	128	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 111 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181207-012

Composite 24h 12/07/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/7/2018	9:20	12/12/2018	6:20	132	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 111 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181207-013

Composite 24h 12/07/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/7/2018	9:20	12/12/2018	6:20	126	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 111 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181207-014

Composite 24h 12/07/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/7/2018	9:20	12/12/2018	6:20	<2	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 111 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181208-010

Composite 24h 12/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/8/2018	13:10	12/13/2018	7:55	99	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.21, 0.25, and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181208-011

Composite 24h 12/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/8/2018	13:10	12/13/2018	7:55	108	mg/L	2.0	mg/L

Data Qualifiers:



CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.21, 0.25, and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181208-012

Composite 24h 12/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/8/2018	13:10	12/13/2018	7:55	149	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.21, 0.25, and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181208-013

Composite 24h 12/08/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/8/2018	13:10	12/13/2018	7:55	<2	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.21, 0.25, and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181212-012

Composite 24h 12/12/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/12/2018	8:53	12/12/2018	11:25	160	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 73%. Acceptance limits are 90 to 110%.
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WW181212-013

Composite 24h 12/12/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/12/2018	8:53	12/12/2018	11:25	200	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 73%. Acceptance limits are 90 to 110%.
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WW181212-014

Composite 24h 12/12/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/12/2018	8:53	12/12/2018	11:25	160	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 73%. Acceptance limits are 90 to 110%.
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WW181212-015

Composite 24h 12/12/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/12/2018	8:38	12/12/2018	10:45	<2.5	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 73%. Acceptance limits are 90 to 110%.
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WW181213-010

Composite 24h 12/13/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/13/2018	10:40	12/18/2018	7:15	123	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.36, 0.39, 0.34, and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. CBOD GGA recovery is 236 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181213-011

Composite 24h 12/13/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/13/2018	10:40	12/18/2018	7:15	132	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.36, 0.39, 0.34, and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. CBOD GGA recovery is 236 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181213-012

Composite 24h 12/13/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/13/2018	10:40	12/18/2018	7:15	129	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.36, 0.39, 0.34, and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. CBOD GGA recovery is 236 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181213-013

Composite 24h 12/13/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/13/2018	10:40	12/18/2018	7:15	3	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.36, 0.39, 0.34, and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. CBOD GGA recovery is 236 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181214-010

Composite 24h 12/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/14/2018	8:02	12/14/2018	10:04	252	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 90 to 110%.
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WW181214-011

Composite 24h 12/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/14/2018	8:02	12/14/2018	10:04	327	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 90 to 110%.
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WW181214-012

Composite 24h 12/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	12/14/2018	8:02	12/14/2018	10:04	247	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 90 to 110%.
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WW181214-013

Composite 24h 12/14/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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Solids Suspended Total	SM 2540 D	12/14/2018	7:47	12/14/2018	9:52	3	mg/L	2.5	mg/L
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Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 90 to 110%.
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WW181218-010

Composite 24h 12/18/2018 06:30

Parameter *	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/18/2018	9:25	12/23/2018	7:45	115	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	12/18/2018	7:56	12/18/2018	10:03	156	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 231 mg/L, acceptance limits are 168 to 229 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 65%. Acceptance limits are 90 to 110%.

WW181218-011

Composite 24h 12/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/18/2018	9:25	12/23/2018	7:45	128	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	12/18/2018	7:56	12/18/2018	10:03	200	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 231 mg/L, acceptance limits are 168 to 229 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 65%. Acceptance limits are 90 to 110%.

WW181218-012

Composite 24h 12/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/18/2018	9:25	12/23/2018	7:45	128	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	12/18/2018	7:56	12/18/2018	10:03	187	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 231 mg/L, acceptance limits are 168 to 229 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 65%. Acceptance limits are 90 to 110%.

WW181218-013

Composite 24h 12/18/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/18/2018	9:25	12/23/2018	7:45	3	mg/L	2.0	mg/L

Solids Suspended Total	SM 2540 D	12/18/2018	7:45	12/18/2018	9:49	4	mg/L	2.5	mg/L
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Data Qualifiers:

CBOD5	CBOD GGA recovery is 231 mg/L, acceptance limits are 168 to 229 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 65%. Acceptance limits are 90 to 110%.

WW181219-012

Composite 24h 12/19/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/19/2018	10:25	12/24/2018	7:55	115	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181219-013

Composite 24h 12/19/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/19/2018	10:25	12/24/2018	7:55	125	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181219-014

Composite 24h 12/19/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/19/2018	10:25	12/24/2018	7:55	171	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181219-015

Composite 24h 12/19/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/19/2018	10:25	12/24/2018	7:55	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181222-010

Composite 24h 12/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/22/2018	12:25	12/27/2018	7:55	56	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW181222-011

Composite 24h 12/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	5M 5210 B	12/22/2018	12:25	12/27/2018	7:55	72	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW181222-012

Composite 24h 12/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	5M 5210 B	12/22/2018	12:25	12/27/2018	7:55	62	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW181222-013

Composite 24h 12/22/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/22/2018	12:25	12/27/2018	7:55	11	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW181223-010

Composite 24h 12/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/23/2018	10:29	12/28/2018	7:35	93	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.48, 0.51, 0.40, and 0.55 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181223-011

Composite 24h 12/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/23/2018	10:29	12/28/2018	7:35	105	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.48, 0.51, 0.40, and 0.55 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181223-012

Composite 24h 12/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/23/2018	10:29	12/28/2018	7:35	85	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.48, 0.51, 0.40, and 0.55 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181223-013

Composite 24h 12/23/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/23/2018	10:29	12/28/2018	7:35	3	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.48, 0.51, 0.40, and 0.55 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181224-011

Composite 24h 12/24/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/24/2018	10:00	12/29/2018	7:45	88	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181224-012

Composite 24h 12/24/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/24/2018	10:00	12/29/2018	7:45	107	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181224-013

Composite 24h 12/24/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/24/2018	10:00	12/29/2018	7:45	92	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181224-014

Composite 24h 12/24/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/24/2018	10:00	12/29/2018	7:45	3	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.22 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW181228-010

Composite 24h 12/28/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/28/2018	9:17	1/2/2019	6:45	141	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.39, 0.38, 0.38, and 0.39 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181228-011

Composite 24h 12/28/2018 06:30



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/28/2018	9:17	1/2/2019	6:45	142	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.39, 0.38, 0.38, and 0.39 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181228-012

Composite 24h 12/28/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/28/2018	9:17	1/2/2019	6:45	138	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.39, 0.38, 0.38, and 0.39 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
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WW181228-013

Composite 24h 12/28/2018 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	12/28/2018	9:17	1/2/2019	6:45	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.39, 0.38, 0.38, and 0.39 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

Name: Aaron Bitler  
 Title: Laboratory Manager  
 Date: 1/22/2019

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report: NPW20190122-002  
 Report Date: 01/22/2019

WW181213-001

Grab 12/13/2018 09:02

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			12/13/2018	8:15	15.6	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	This sample was associated with a batch where the Precision Criteria Value was exceeded.
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WW181213-002

Grab 12/13/2018 09:04


Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray) <sup>B,D</sup>	Colilert 18/Quantitr			12/13/2018	8:15	16.0 <sup>E</sup>	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	This sample was associated with a batch where the Precision Criteria Value was exceeded.
---	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
 Signature: \_\_\_\_\_  
 Name: Aaron Bitler  
 Title: Laboratory Manager  
 Date: 1/22/2019



Debra A. McCarty, Water Commissioner

January 25, 2019

The City of Philadelphia hereby submits the Annually Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Annually

**Report Type:** DMR

**Reporting Period:** 01/01/2017-12/31/2017

**Report Due Date:** 01/28/2018

**Submitted By:** Mary Ellen Senss

**Submission Id:** 84376

**Submission Status:** Received

**Submission Type:** Original

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF DECEMBER 2018

Central Laboratory

**Stormwater Sampling (mg/L)**

**Northeast WPCP - Outfall**

		<b>10/11/2018</b>
<b>COD</b>	<	50
<b>HEM (Oil &amp; Grease)</b>		5.4
<b>Phosphorous Total</b>		0.116
<b>TKN</b>	<	1
<b>CBOD<sub>5</sub></b>		4
<b>Total Suspended Solid</b>		20

**Stormwater Sampling (pH)**

**pH** **10/11/2018**  
7.6

**Stormwater Sampling (#/100mls)**

**Fecal Coliform** **10/11/2018**  
> 2,419.6

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES  
Northeast Water Pollution Control Plant  
NPDES SUMMARY FOR THE MONTH OF DECEMBER 2018

Central Laboratory

PCB (pg/L)

Northeast WPCP - Outfall

PCB	03/02/2018	05/10/2018	08/29/2018	10/12/2018	AVG
Dry Test		5,268	1,073		3,171
Wet Test	21,243			5,183	13,213



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Annually  
 DMR Effective From: 01/01/2018  
 DMR Effective To: 12/31/2018  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2018	01	01	TO	2018	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
PCBs Wet Weather Analysis (51556)	Sample Measurement	***	***	***	5183	***	21243	pg/L	2/year	24-Hr Composite
	Permit Requirement	***	***		Monitor & Report Min	***	Monitor & Report Max		2/year	24-Hr Composite
PCBs Dry Weather Analysis (51557)	Sample Measurement	***	***	***	1073	***	5268	pg/L	2/year	24-Hr Composite
	Permit Requirement	***	***		Monitor & Report Min	***	Monitor & Report Max		2/year	24-Hr Composite
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

PA0026689	061
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Annually  
 DMR Effective From: 01/01/2018  
 DMR Effective To: 12/31/2018  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2018	01	01	TO	2018	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Chemical Oxygen Demand (COD) (00340)	Sample Measurement	***	***	***	***	***	<50	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
pH (00400)	Sample Measurement	***	***	***	***	***	7.6	S.U.	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	20	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	5.4	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	***	<1	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	***	.116	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	***	>2419.6	CFU/100 ml	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	***	4	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Facility Comments										



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)

## ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
BLSNE201812.xls	Annual Nutrient Summary Form	2019-01-24T14:49:01-05:00	

## PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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## UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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## OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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## COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
Annual PCB and Stormwater DMR	Mary Ellen Senss	S12300	(215)-685-6258

## SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2019	1	24
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY





Debra A. McCarty, Water Commissioner

January 25, 2019

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for the period from October 2018 to December 2018. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Quarterly

**Report Type:** DMR

**Reporting Period:** 10/01/2018-12/31/2018

**Report Due Date:** 01/28/2019

**Submitted By:** Mary Ellen Senss

**Submission Id:** 132639

**Submission Status:** Received

**Submission Type:** Original



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF OCTOBER 2018**

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

Central Laboratory

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**10/19/2018**

**Toxicity, Ceriodaphnia acute**

**1**

**Toxicity, Ceriodaphnia chronic**

**1**

**Toxicity, Pimphales acute**

**1**

**Toxicity, Pimphales chronic**

**1**



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Quarterly**  
 DMR Effective From: **10/01/2018**  
 DMR Effective To: **12/31/2018**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2018	10	01	TO	2018	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival (61425)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Toxicity, Chronic - Ceriodaphnia Survival (61426)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Toxicity, Acute - Pimephales Survival (61427)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Chlordane (51032)	Sample Measurement	***	***	***	***	<.0050000	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
3,3-Dichlorobenzidine (34631)	Sample Measurement	***	***	***	***	<.0100	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Benzidine (39120)	Sample Measurement	***	***	***	***	<.0050	***	mg/L	3/quarter	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	Grab
4,4-DDT (39300)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
4,4-DDD (39310)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
4,4-DDE (39320)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
alpha-BHC (39336)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
beta-BHC (39338)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
gamma-BHC (Lindane) (39344)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Dieldrin (39380)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Endrin (39390)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Heptachlor (39410)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Toxicity, Chronic - Pimephales Survival (61428)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Facility Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
NE WET Testing Composite (11-21-2018).PDF	Laboratory Accreditation Form	2019-01-24T15:11:15-05:00	
BLSNE201810.xls	WET Test Summary Report	2019-01-24T15:10:39-05:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2019	1	24
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

NE WET Testing Composite

Report: NPW20181121-002  
 Report Date: 11/21/2018

WW181015-006

Composite 24h 10/15/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
2-Chloronaphthalene	EPA 625	10/16/2018	0:00	10/18/2018	1:04	<1.00	µg/L	1.00	µg/L
TKN	SM 4500 Norg D	10/17/2018	12:08	11/7/2018	11:09	6.83	mg/L as N	1.0	mg/L as N

Data Qualifiers:

2-Chloronaphthalene	The recovery of LCS is 50%, which is outside the acceptance limits of 60-118%. Results may have greater uncertainty.
TKN	Laboratory Fortified Matrix (LFM) recovery is 77%. Acceptance limits are 90-110%.

WW181017-011

Composite 24h 10/17/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Acrolein	EPA 624			10/18/2018	13:47	<1.0	µg/L	1.0	µg/L
p-Chloro-m-cresol	EPA 625	10/22/2018	0:00	10/22/2018	21:08	<1.00	µg/L	1.00	µg/L
TKN	SM 4500 Norg D	10/17/2018	12:08	11/7/2018	11:13	6.32	mg/L as N	1.0	mg/L as N

Data Qualifiers:

Acrolein	The CCV for this analyte was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard. The Laboratory Control Sample for the analysis batch associated with this sample was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
p-Chloro-m-cresol	The recovery of LCS is 67%, which is outside the acceptance limits of 26-63%, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
TKN	Laboratory Fortified Matrix (LFM) recovery is 77%. Acceptance limits are 90-110%.

WW181019-006

Composite 24h 10/19/2018 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4,4'-DDD	EPA 608	10/25/2018	0:00	10/26/2018	18:55	<0.02	µg/L	0.02	µg/L
Endosulfan I	EPA 608	10/25/2018	0:00	10/26/2018	18:55	<0.02	µg/L	0.02	µg/L
Endosulfan II	EPA 608	10/25/2018	0:00	10/26/2018	18:55	<0.02	µg/L	0.02	µg/L
Endosulfan sulfate	EPA 608	10/25/2018	0:00	10/26/2018	18:55	<0.02	µg/L	0.02	µg/L
Heptachlor epoxide	EPA 608	10/25/2018	0:00	10/26/2018	18:55	<0.02	µg/L	0.02	µg/L
p-Chloro-m-cresol	EPA 625	10/22/2018	0:00	10/22/2018	22:31	<1.00	µg/L	1.00	µg/L
TKN	SM 4500 Norg D	10/17/2018	12:08	11/7/2018	11:21	7.06	mg/L as N	1.0	mg/L as N

Data Qualifiers:

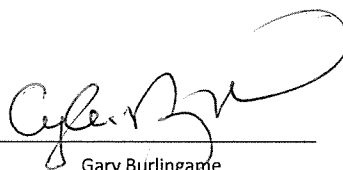
4,4'-DDD	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Endosulfan I	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Endosulfan II	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Endosulfan sulfate	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Heptachlor epoxide	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
p-Chloro-m-cresol	The recovery of LCS is 67%, which is outside the acceptance limits of 26-63%, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
TKN	Laboratory Fortified Matrix (LFM) recovery is 77%. Acceptance limits are 90-110%.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: Gary Burlingame  
 Title: Laboratory Director  
 Date: 11/21/2018



Debra A. McCarty, Water Commissioner

February 27, 2019

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for January 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 01/01/2019-01/31/2019

**Report Due Date:** 02/28/2019

**Submitted By:** Mary Ellen Senss

**Submission Id:** 138509

**Submission Status:** Received

**Submission Type:** Original



# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for January 2019

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER**

**DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA, PA , 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA, PA , 19137  
 STAGE: Final Effluent

PA0026689  
 PERMIT NUMBER

001  
 OUTFALL NUMBER

Reporting Frequency: Quarterly  
 DMR Effective From: 01/01/2019  
 DMR Effective To: 03/31/2019  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	01	01	TO	2019	03	31

FROM

TO

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Toxicity, Acute - Ceriodaphnia Survival (61425)	SAMPLE MEASUREMENT	***	***		***	***			TUa	1/quarter	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	***	Monitor & Report Daily Max				
Toxicity, Chronic - Ceriodaphnia Survival (61426)	SAMPLE MEASUREMENT	***	***		***	***			TUc	1/quarter	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	***	Monitor & Report Daily Max				
Toxicity, Acute - Pimephales Survival (61427)	SAMPLE MEASUREMENT	***	***		***	***			TUa	1/quarter	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	***	Monitor & Report Daily Max				
Chlordane (51032)	SAMPLE MEASUREMENT	***	***		***				mg/L	1/quarter	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***				
3,3-Dichlorobenzidine (34631)	SAMPLE MEASUREMENT	***	***		***				mg/L	1/quarter	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***				
Benzidine (39120)	SAMPLE MEASUREMENT	***	***		***				mg/L	1/quarter	Grab
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***				
4,4-DDT (39300)	SAMPLE MEASUREMENT	***	***		***				mg/L	1/quarter	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***				

**COMMONWEALTH OF PENNSYLVANIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**BUREAU OF CLEAN WATER**

**DISCHARGE MONITORING REPORT (DMR)**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
4,4-DDD (39310)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***	mg/L	1/quarter	24-Hr Composite
4,4-DDE (39320)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***	mg/L	1/quarter	24-Hr Composite
alpha-BHC (39336)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***	mg/L	1/quarter	24-Hr Composite
beta-BHC (39338)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***	mg/L	1/quarter	24-Hr Composite
gamma-BHC (Lindane) (39344)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***	mg/L	1/quarter	24-Hr Composite
Dieldrin (39380)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***	mg/L	1/quarter	24-Hr Composite
Endrin (39390)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***	mg/L	1/quarter	24-Hr Composite
Heptachlor (39410)	SAMPLE MEASUREMENT	***	***		***		***			
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***	mg/L	1/quarter	24-Hr Composite
Toxicity, Chronic - Pimephales Survival (61428)	SAMPLE MEASUREMENT	***	***		***	***				
	PERMIT REQUIREMENT	***	***		***	***	Monitor & Report Daily Max	TUc	1/quarter	24-Hr Composite
Facility Comments										

## COMMENT DETAILS

COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER
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# PERMIT NEWPCP - JANUARY 2019 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)	
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM		LBS
Su	12/30/2018	231	130	4	97	7,700		86	3	97	5,775	
M	12/31/2018	222	166	3	98	5,556		93	3	97	5,556	
T	01/01/2019	322	128	16	88	43,010		82	8	90	21,505	11
W	01/02/2019	253	115	6	95	12,680		84	4	95	8,453	
Th	01/03/2019	227	128	4	97	7,588		92	3	97	5,691	9
F	01/04/2019	222	169	5	97	9,273		93	3	97	5,564	
S	01/05/2019	237	124	4	97	7,910		92	4	96	7,910	
Su	01/06/2019	292	140	10	93	24,314		80	7	91	17,020	
M	01/07/2019	221	163	4	98	7,365		113	3	97	5,524	9
T	01/08/2019	222	159	4	97	7,399		102	3	97	5,549	
W	01/09/2019	243	118	4	97	8,093		91	4	96	8,093	10
Th	01/10/2019	217	157	4	97	7,255		105	3	97	5,441	
F	01/11/2019	212	205	6	97	10,599		125	3	98	5,300	
S	01/12/2019	203	127	3	98	5,072		106	3	97	5,072	
Su	01/13/2019	203	84	2	98	3,393		97	3	97	5,089	
M	01/14/2019	209	268	6	98	10,442		149	4	97	6,961	12
T	01/15/2019	159	173	6	97	7,973		115	3	97	3,987	
W	01/16/2019	306	164	3	98	7,649		110	3	97	7,649	10
Th	01/17/2019	193	164	5	97	8,067		126	4	97	6,453	
F	01/18/2019	191	170	5	97	7,963		126	3	98	4,778	
S	01/19/2019	199	180	4	98	6,646		127	4	97	6,646	
Su	01/20/2019	279	192	24	88	55,767		129	14	89	32,531	
M	01/21/2019	287	128	22	83	52,584		93	12	87	28,682	29
T	01/22/2019	207	143	5	97	8,646		105	4	96	6,917	
W	01/23/2019	200	155	4	97	6,679		116	4	97	6,679	11
Th	01/24/2019	209	199	4	98	6,964		111	5	95	8,704	
F	01/25/2019	348	148	20	86	52,540	58,053	77	10	87	29,027	
S	01/26/2019	224	145	5	97	9,330		96	4	96	7,464	
Su	01/27/2019	214	124	6	95	10,728		104	6	94	10,728	
M	01/28/2019	216	168	5	97	8,996		112	4	96	7,196	12
T	01/29/2019	206	224	6	97	10,320		124	7	94	12,040	
W	01/30/2019	236	195	10	95	19,666		107	6	94	11,799	13
Th	01/31/2019	203	138	7	95	11,869		107	4	96	6,782	

TOTAL AVERAGE	7,161	4,895						3,296				
	231	158	7	95	14,735	58,053	106	5	95	10,040	13	

Wk1	254	139	7	95	15,761		88	5	95	10,243
Wk2	217	145	4	97	7,025		106	3	97	5,724
Wk3	219	187	8	96	14,929		126	5	96	9,858
Wk4	241	149	9	93	21,067		100	6	93	14,029

MAX 348

CBOD 20 LBS-- 26,595

NPDES/D LIMITS	MO	<30	>85	<52,540	<25	>86	<36,430
	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - JANUARY 2019**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)	
		N	S				
T 01/01/2019	322	6.8	6.7	5.0	0.22	241	
W 01/02/2019	253	6.9	6.9	5.3	0.24	10	
Th 01/03/2019	227	6.6	6.7	5.0	0.27	7	
F 01/04/2019	222	6.8	6.8	5.9	0.30	8	
S 01/05/2019	237	6.8	6.7	4.2	0.30	49	
Su 01/06/2019	292	6.9	6.8	6.2	0.23	2	
M 01/07/2019	221	6.6	6.6	6.1	0.24	4	
T 01/08/2019	222	6.9	6.8	6.1	0.31	6	
W 01/09/2019	243	6.6	6.6	6.5	0.23	4	
Th 01/10/2019	217	6.6	6.6	6.3	0.32	5	
F 01/11/2019	212	6.9	6.9	6.4	0.34	4	
S 01/12/2019	203	6.9	6.9	6.2	0.30	4	
Su 01/13/2019	203	6.7	6.7	6.5	0.32	8	
M 01/14/2019	209	7.0	6.9	5.0	0.30	7	
T 01/15/2019	159	6.8	6.8	4.9	0.36	4	
W 01/16/2019	306	6.9	6.9	4.6	0.39	1	
Th 01/17/2019	193	6.8	6.8	5.2	0.28	2	
F 01/18/2019	191	6.9	6.8	5.3	0.40	1	
S 01/19/2019	199	6.9	6.9	6.5	0.25	2	
Su 01/20/2019	279	6.4	6.5	6.5	0.29	195	
M 01/21/2019	287	7.0	6.9	6.7	0.27	4	
T 01/22/2019	207	6.9	6.9	7.2	0.22	2	
W 01/23/2019	200	6.9	6.9	6.9	0.24	2	
Th 01/24/2019	209	6.8	6.8	4.8	0.36	9	
F 01/25/2019	348	7.0	6.8	6.6	0.24	2	
S 01/26/2019	224	7.0	6.8	6.3	0.30	2	
Su 01/27/2019	214	7.0	6.9	5.7	0.38	4	
M 01/28/2019	216	6.9	7.0	5.0	0.41	3	
T 01/29/2019	206	7.0	7.0	4.9	0.29	19	
W 01/30/2019	236	6.6	6.6	5.5	0.17	8	
Th 01/31/2019	203	6.9	6.7	6.6	0.23	6	
<b>TOTAL</b>	<b>7,161</b>	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>AVG</b>	<b>AVG</b>	<b>MAX</b>
<b>AVERAGE</b>	<b>231</b>	<b>6.4</b>	<b>7.0</b>	<b>4.2</b>	<b>5.8</b>	<b>0.29</b>	<b>0.41</b>
						<b>GEOMETRIC</b>	
						<b>MEAN</b>	<b>6</b>

Wk1            254  
Wk2            217  
Wk3            219  
Wk4            241

**MAX**            348

EFFLUENT

NPDES/D            MIN    MAX

LIMITS                6.0    9.0

GEO

MEAN

<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - JANUARY 2019  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
01/01/2019	0.23	0.21	0.22	5.0	5.0	5.0	326	179	241
01/02/2019	0.21	0.27	0.24	5.2	5.3	5.3	16	6	10
01/03/2019	0.22	0.31	0.27	5.0	5.0	5.0	27	2	7
01/04/2019	0.21	0.38	0.30	5.9	5.8	5.9	11	5	8
01/05/2019	0.34	0.25	0.30	4.4	4.0	4.2	39	62	49
01/06/2019	0.24	0.22	0.23	6.2	6.1	6.2	< 1	3	2
01/07/2019	0.24	0.24	0.24	5.9	6.2	6.1	10	2	4
01/08/2019	0.32	0.29	0.31	6.1	6.1	6.1	5	6	6
01/09/2019	0.23	0.23	0.23	6.3	6.6	6.5	4	4	4
01/10/2019	0.32	0.32	0.32	6.2	6.4	6.3	5	4	5
01/11/2019	0.31	0.36	0.34	6.3	6.4	6.4	6	2	4
01/12/2019	0.28	0.32	0.30	6.2	6.2	6.2	6	3	4
01/13/2019	0.30	0.33	0.32	6.4	6.5	6.5	11	6	8
01/14/2019	0.29	0.31	0.30	5.0	5.0	5.0	6	9	7
01/15/2019	0.34	0.38	0.36	4.8	5.0	4.9	10	2	4
01/16/2019	0.35	0.42	0.39	4.6	4.6	4.6	2	1	1
01/17/2019	0.28	0.27	0.28	5.3	5.1	5.2	2	2	2
01/18/2019	0.41	0.39	0.40	5.2	5.3	5.3	2	1	1
01/19/2019	0.28	0.22	0.25	6.3	6.6	6.5	3	1	2
01/20/2019	0.32	0.25	0.29	6.5	6.5	6.5	127	299	195
01/21/2019	0.28	0.26	0.27	6.4	6.9	6.7	5	3	4
01/22/2019	0.23	0.21	0.22	6.9	7.4	7.2	3	1	2
01/23/2019	0.23	0.25	0.24	6.7	7.0	6.9	1	3	2
01/24/2019	0.25	0.46	0.36	4.8	4.7	4.8	12	6	9
01/25/2019	0.24	0.24	0.24	6.4	6.8	6.6	3	1	2
01/26/2019	0.27	0.33	0.30	6.2	6.3	6.3	2	3	2
01/27/2019	0.37	0.39	0.38	5.4	5.9	5.7	6	2	4
01/28/2019	0.46	0.35	0.41	4.9	5.0	5.0	2	5	3
01/29/2019	0.29	0.28	0.29	5.0	4.8	4.9	21	17	19
01/30/2019	0.16	0.17	0.17	5.3	5.7	5.5	12	5	8
01/31/2019	0.19	0.26	0.23	6.3	6.9	6.6	5	6	6
Avg	0.28	0.30	0.29	5.7	5.8	5.8	7	5	6

# PERMIT

## NEWPCP - JANUARY 2019

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
01/01/2019			
01/02/2019	89	11	88%
01/03/2019			
01/04/2019	108	11	90%
01/05/2019			
01/06/2019			
01/07/2019	118	8	93%
01/08/2019			
01/09/2019	88	9	90%
01/10/2019			
01/11/2019			
01/12/2019			
01/13/2019			
01/14/2019	172	8	95%
01/15/2019			
01/16/2019	127	8	94%
01/17/2019			
01/18/2019			
01/19/2019			
01/20/2019			
01/21/2019	96	23	76%
01/22/2019			
01/23/2019	131	8	94%
01/24/2019			
01/25/2019			
01/26/2019			
01/27/2019			
01/28/2019	120	9	93%
01/29/2019			
01/30/2019	122	20	84%
01/31/2019			
AVG	117	12	90%

**DESIGN - 210 MGD**

<b>NEWPCP - JANUARY 2019</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
01/01/2019	96	171	55	322	469	0.09
01/02/2019	70	144	39	253	320	
01/03/2019	64	127	36	227	262	
01/04/2019	63	123	36	222	253	0.04
01/05/2019	71	127	39	237	407	0.53
01/06/2019	91	152	49	292	438	
01/07/2019	63	120	37	221	275	0.02
01/08/2019	65	120	37	222	289	0.24
01/09/2019	74	128	41	243	425	0.01
01/10/2019	60	121	36	217	248	T
01/11/2019	58	114	40	212	272	
01/12/2019	57	112	34	203	259	0.05
01/13/2019	57	113	34	203	245	0.07
01/14/2019	60	114	34	209	283	
01/15/2019	57	69	34	159	252	
01/16/2019	112	126	68	306	243	
01/17/2019	55	107	31	193	229	0.01
01/18/2019	55	104	33	191	221	0.05
01/19/2019	55	110	34	199	241	0.61
01/20/2019	80	144	55	279	495	0.75
01/21/2019	81	162	44	287	419	
01/22/2019	58	116	33	207	243	
01/23/2019	56	110	34	200	229	0.01
01/24/2019	61	110	38	209	371	1.27
01/25/2019	97	190	61	348	470	
01/26/2019	62	124	37	224	253	
01/27/2019	61	117	37	214	252	
01/28/2019	61	117	37	216	251	
01/29/2019	60	112	35	206	263	0.16
01/30/2019	70	124	42	236	420	0.01
01/31/2019	58	110	35	203	240	
<b>TOTAL</b>	<b>2,090</b>	<b>3,839</b>	<b>1,232</b>	<b>7,161</b>		<b>3.92</b>
<b>AVG</b>	<b>67</b>	<b>124</b>	<b>40</b>	<b>231</b>		
			<b>MIN</b>	<b>159</b>	<b>221</b>	
			<b>MAX</b>	<b>348</b>	<b>495</b>	

\* ADJUSTED FOR RECYCLE.



PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JANUARY 2019

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
01/02/2019	0.339	2.630	3.24	4.13	0.161
01/09/2019	0.382	2.910	4.95	5.38	0.176
01/16/2019	0.411	3.430	3.94	6.50	0.170
01/23/2019	0.418	3.230	6.46	6.38	0.150
01/28/2019	0.450	2.970	7.61	7.26	0.150
01/30/2019	0.389	2.110	7.87	7.09	0.270
AVG	0.398	2.880	5.68	6.12	0.180
MAX	0.450	3.430	7.87	7.26	0.270

**Cyanide and Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
01/28/2019	0.060
01/30/2019	< 0.050
AVG	< 0.055

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	01/09/2019	01/28/2019	01/30/2019	AVG
Copper	0.0070 <	0.0100 <	0.0100	< 0.0090
Iron	0.2720	0.2820	0.5440	0.3660
Iron Dissolved	0.0350	0.0510	0.1360	0.0740
Lead	< 0.0030 <	0.0030 <	0.0030	< 0.0030
Zinc	0.0280 <	0.0100 <	0.0100	< 0.0160

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	01/27/2019	01/28/2019	01/29/2019	01/30/2019	01/31/2019	AVG
1,2-Dichloroethane	< 0.0005 <	0.0005 <	0.0005	0.0006	< 0.0005 <	0.0005
3,3-Dichlorobenzidine		< 0.0100		< 0.0100		< 0.0100
alpha-BHC		< 0.0000200		< 0.0000200		< 0.0000200
Benzidine		< 0.0050		< 0.0050		0.0050
Beta-BHC		< 0.0000200		< 0.0000200		< 0.0000200
Chlordane		< 0.0005000		< 0.0005000		< 0.0005000
Chloroform	0.0029	0.0024	0.0032	0.0034	0.0026	0.0029
Chlorodibromomethane	< 0.0005 <	0.0005 <	0.0005 <	0.0005 <	0.0005 <	0.0005
Dieldrin		< 0.0000200		< 0.0000200		< 0.0000200
Endrin		< 0.0000200		< 0.0000200		< 0.0000200
Heptachlor		< 0.0000200		< 0.0000200		< 0.0000200
p,p'-DDD		< 0.0000200		< 0.0000200		< 0.0000200
p,p'-DDE		< 0.0000200		< 0.0000200		< 0.0000200
p,p'-DDT		< 0.0000200		< 0.0000200		< 0.0000200
Lindane(Gamma-BHC)		< 0.0000200		< 0.0000200		< 0.0000200
Tetrachloroethylene	< 0.0005 <	0.0005 <	0.0005	0.0006	< 0.0005 <	0.0005
Trichloroethylene	< 0.0005 <	0.0005 <	0.0005	0.0006	< 0.0005 <	0.0005

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**02/01/2019**

Toxicity, Ceriodaphnia acute	1
Toxicity, Ceriodaphnia chronic	1
Toxicity, Pimphales acute	1
Toxicity, Pimphales chronic	1

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
JANUARY 2019	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
01/01/2019	-	0.067	10	1.360	1.912	169.1
01/02/2019	0.165	0.000	0	1.070	0.610	48.1
01/03/2019	1.493	1.147	148	1.161	1.131	87.3
01/04/2019	-	0.415	37	1.531	1.578	119.8
01/05/2019	0.839	0.750	83	1.145	1.053	80.0
01/06/2019	0.914	0.822	91	1.124	1.124	85.3
01/07/2019	0.858	0.444	45	1.319	1.319	106.2
01/08/2019	-	0.609	68	1.200	1.636	129.0
01/09/2019	0.892	0.618	65	1.245	0.922	81.9
01/10/2019	0.910	0.483	63	1.175	1.122	104.0
01/11/2019	0.224	0.224	25	1.370	1.370	109.8
01/12/2019	0.660	1.306	137	1.481	1.857	165.8
01/13/2019	0.906	0.943	100	1.421	0.921	65.0
01/14/2019	0.895	0.899	76	1.066	1.152	96.1
01/15/2019	0.898	0.947	94	1.364	1.211	98.5
01/16/2019	0.876	0.876	89	1.214	1.306	111.7
01/17/2019	0.887	0.568	54	1.492	0.948	74.4
01/18/2019	0.345	0.069	7	1.898	2.216	170.1
01/19/2019	0.486	0.482	46	1.169	1.565	111.7
01/20/2019	0.910	1.600	136	1.526	0.974	72.3
01/21/2019	0.843	0.300	26	1.963	2.251	167.2
01/22/2019	0.670	1.008	95	0.804	0.837	60.4
01/23/2019	1.019	0.818	84	1.588	1.459	95.6
01/24/2019	0.949	0.481	39	1.264	1.394	134.3
01/25/2019	-	0.552	41	1.326	1.142	92.9
01/26/2019	0.848	1.046	99	1.307	1.540	145.2
01/27/2019	1.749	1.345	130	1.847	1.695	154.2
01/28/2019	0.841	1.263	122	2.070	2.102	191.2
01/29/2019	-			1.310	1.678	168.7
01/30/2019	0.909	0.922	92	1.178	0.718	76.4
01/31/2019	0.901	0.208	23	1.523	1.109	97.2
<b>TOTAL</b>	21.886	21.214	2,126	42.510	41.852	3,470
<b>AVERAGE</b>	0.706	0.707	71	1.371	1.350	112

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20190221-001  
 Report Date: 02/21/2019

NE Daily Composite

WW190105-010

Composite 24h 01/05/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/5/2019	12:30	1/10/2019	8:32	92.0	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190105-011

Composite 24h 01/05/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/5/2019	12:30	1/5/2019	8:32	96.0	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190105-012

Composite 24h 01/05/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/5/2019	12:30	1/10/2019	8:32	93.0	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190105-013

Composite 24h 01/05/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/5/2019	12:30	1/10/2019	8:32	4.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190109-012

Composite 24h 01/09/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	1/24/2019	11:30	1/25/2019	11:15	14.3	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 133%. Acceptance limits are 90-110%.
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WW190109-013

Composite 24h 01/09/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	1/24/2019	11:30	1/25/2019	11:16	16.1	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 133%. Acceptance limits are 90-110%.
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WW190109-014

Composite 24h 01/09/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	1/24/2019	11:30	1/25/2019	11:17	14.2	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 133%. Acceptance limits are 90-110%.
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WW190109-015

Composite 24h 01/09/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	1/24/2019	11:30	1/25/2019	11:18	5.38	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 133%. Acceptance limits are 90-110%.
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WW190114-011

Composite 24h 01/14/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/14/2019	0:00	1/19/2019	9:40	144	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.40, 0.45, 0.41 and 0.45 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190114-012

Composite 24h 01/14/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/14/2019	0:00	1/19/2019	9:40	178	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.40, 0.45, 0.41 and 0.45 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190114-013

Composite 24h 01/14/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/14/2019	0:00	1/19/2019	9:40	140	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.40, 0.45, 0.41 and 0.45 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190114-014

Composite 24h 01/14/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/14/2019	0:00	1/19/2019	9:40	4.00	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.40, 0.45, 0.41 and 0.45 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190115-010

Composite 24h 01/15/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/15/2019	13:05	1/20/2019	7:46	108	mg/L	2	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.25 and 0.29 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190115-011

Composite 24h 01/15/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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CBOD5	SM 5210 B	1/15/2019	13:05	1/20/2019	7:46	123	mg/L	2	mg/L
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Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.25 and 0.29 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190115-012

Composite 24h 01/15/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/15/2019	13:05	1/20/2019	7:46	117	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.25 and 0.29 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190115-013

Composite 24h 01/15/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/15/2019	13:05	1/20/2019	7:46	3.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.25 and 0.29 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190116-012

Composite 24h 01/16/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/16/2019	10:00	1/21/2019	9:36	107	mg/L	2	mg/L
TKN	SM 4500 Norg D	1/31/2019	11:05	2/4/2019	11:19	18.7	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.23, 0.24, and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
TKN	Laboratory Fortified Matrix (LFM) recovery is 158%. Acceptance limits are 90-110%.

WW190116-013

Composite 24h 01/16/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/16/2019	10:00	1/21/2019	9:36	122	mg/L	2	mg/L

TKN	SM 4500 Norg D	1/31/2019	11:05	2/4/2019	11:20	21.5	mg/L as N	1.0	mg/L as N
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Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.23, 0.24, and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
TKN	Laboratory Fortified Matrix (LFM) recovery is 158%. Acceptance limits are 90-110%.								

WW190116-014

Composite 24h 01/16/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/16/2019	10:00	1/21/2019	9:36	117	mg/L	2	mg/L
TKN	SM 4500 Norg D	1/31/2019	11:05	2/4/2019	11:22	19.7	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.23, 0.24, and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
TKN	Laboratory Fortified Matrix (LFM) recovery is 158%. Acceptance limits are 90-110%.								

WW190116-015

Composite 24h 01/16/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/16/2019	10:00	1/21/2019	9:36	3.00	mg/L	2	mg/L
TKN	SM 4500 Norg D	1/31/2019	11:05	2/4/2019	11:23	6.50	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.23, 0.24, and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
TKN	Laboratory Fortified Matrix (LFM) recovery is 158%. Acceptance limits are 90-110%.								

WW190118-010

Composite 24h 01/18/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/18/2019	9:50	1/23/2019	7:15	128	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.42, 0.57, 0.43 and 0.41 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW190118-011

Composite 24h 01/18/2019 06:30



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/18/2019	9:50	1/23/2018	7:15	125	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.42, 0.57, 0.43 and 0.41 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW190118-012

Composite 24h 01/18/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/18/2019	9:50	1/23/2019	7:15	120	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.42, 0.57, 0.43 and 0.41 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW190118-013

Composite 24h 01/18/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/18/2019	9:50	1/23/2019	7:15	3.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.42, 0.57, 0.43 and 0.41 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW190119-010

Composite 24h 01/19/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/19/2019	13:15	1/24/2019	8:15	122	mg/L	2	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 243 mg/L, acceptance limits are 168 to 229 mg/L.								
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WW190119-011

Composite 24h 01/19/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/19/2019	13:15	1/25/2019	8:15	129	mg/L	2	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 243 mg/L, acceptance limits are 168 to 229 mg/L.								
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WW190119-012

Composite 24h 01/19/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/19/2019	13:15	1/24/2019	8:15	135	mg/L	2	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 243 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190119-013

Composite 24h 01/19/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/19/2019	13:15	1/24/2019	8:15	4.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 243 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190123-012

Composite 24h 01/23/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/3/2019	9:30	1/28/2019	8:25	107	mg/L	2	mg/L
TKN	SM 4500 Norg D	1/31/2019	11:05	2/4/2019	11:37	18.1	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.21 and 0.37 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
TKN	Laboratory Fortified Matrix (LFM) recovery is 158%. Acceptance limits are 90-110%.

WW190123-013

Composite 24h 01/23/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/23/2019	9:30	1/28/2019	8:25	131	mg/L	2	mg/L
TKN	SM 4500 Norg D	1/31/2019	11:05	2/4/2019	11:38	18.7	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.21 and 0.37 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
TKN	Laboratory Fortified Matrix (LFM) recovery is 158%. Acceptance limits are 90-110%.

WW190123-014

Composite 24h 01/23/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/3/2019	9:30	1/28/2019	8:25	119	mg/L	2	mg/L
TKN	SM 4500 Norg D	1/31/2019	11:05	2/4/2019	11:40	17.7	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.21 and 0.37 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
TKN	Laboratory Fortified Matrix (LFM) recovery is 158%. Acceptance limits are 90-110%.

WW190123-015

Composite 24h 01/23/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/23/2019	9:30	1/28/2019	8:25	4.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.21 and 0.37 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190129-010

Composite 24h 01/29/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/29/2019	12:20	2/3/2019	8:06	124	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190129-011

Composite 24h 01/29/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/29/2019	12:20	2/3/2019	8:06	124	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190129-012

Composite 24h 01/29/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/29/2019	12:20	2/3/2019	8:06	122	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190129-013

Composite 24h 01/29/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/29/2019	12:20	2/3/2019	8:06	7.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190131-010

Composite 24h 01/31/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/31/2019	11:38	2/5/2019	7:37	106	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190131-011

Composite 24h 01/31/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/1/2019	11:38	2/5/2019	7:37	111	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190131-012

Composite 24h 01/31/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	1/31/2019	11:38	2/5/2019	7:37	108	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190131-013

Composite 24h 01/31/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
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CBOD5	SM 5210 B	1/31/2019	11:38	2/5/2019	7:37	4.00	mg/L	2	mg/L
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Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name: Aaron Bitler  
 Title: Laboratory Manager  
 Date: 2/21/2019



Debra A. McCarty, Water Commissioner

March 27, 2019

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for February 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 02/01/2019-02/28/2019

**Report Due Date:** 03/28/2019

**Submitted By:** Mary Ellen Senss

**Submission Id:** 141634

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for February 2019

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **02/01/2019**  
 DMR Effective To: **02/28/2019**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2019	02	01	TO	2019	02	28

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	5.3	6.6	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.5	***	7.0	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	12053	15458	lbs/day	***	7	12	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	5.69	7.75	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.333	.417	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.366	3.170	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	8.03	9.17	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.357	1.036	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0030	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	<.050	***	mg/L	2/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	2/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0085	***	mg/L	2/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.2560	***	mg/L	2/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0425	***	mg/L	2/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0030	***	mg/L	2/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total (01092)	Sample Measurement	***	***	***	***	<.0680	***	mg/L	2/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	213	340	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.28	.39	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	2/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	2/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	6	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	10164	12020	lbs/day	***	6	7	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	31625	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 02/01/2019  
 DMR Effective To: 02/28/2019  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	02	01	TO	2019	02	28

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	95	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
E-NPDES NE201902.xlsx	Daily Effluent Monitoring Form	2019-03-26T13:00:24-04:00	
NE Daily Grab (03-21-2019).pdf	Laboratory Accreditation Form	2019-03-26T13:04:14-04:00	
NE Daily Composite (03-21-2019).pdf	Laboratory Accreditation Form	2019-03-26T13:03:45-04:00	
BLSNE201902.xlsx	Nutrient Monitoring Form	2019-03-26T13:01:44-04:00	
201902SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2019-03-26T13:02:51-04:00	
NECSO 201902.xlsx	CSO Detailed Outfall Report Form	2019-03-26T13:02:21-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. A flow in excess of 315 MGD qualified for permit relief on the 13th of the month and was used in compliance reporting. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2019	3	26
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

# PERMIT NEWPCP - FEBRUARY 2019 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)						
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM		LBS	LBS***				
F	02/01/2019	200	155	5	97		8,320		119	4	97		6,656		11		
S	02/02/2019	197	143	5	97		8,200		123	4	97		6,560				
Su	02/03/2019	200	147	6	96		10,006		113	5	96		8,338				
M	02/04/2019	201	139	7	95		11,727		126	7	94		11,727		18		
T	02/05/2019	197	189	6	97		9,857		133	5	96		8,214				
W	02/06/2019	192	137	5	96		8,020		128	4	97		6,416		13		
Th	02/07/2019	242	230	12	95		24,206		151	8	95		16,138				
F	02/08/2019	197	157	5	97		8,214		135	5	96		8,214				
S	02/09/2019	189	214	5	98		7,900		131	4	97		6,320				
Su	02/10/2019	154	193	4	98		5,142		141	5	96		6,427				
M	02/11/2019	183	180	5	97		7,642		138	5	96		7,642		13		
T	02/12/2019	202	220	7	97		11,817		125	5	96		8,441				
W	02/13/2019	340	134	51	85	62	52,540	(a)	144,479	93	22	86	76	36,430	(a)	62,324	33
Th	02/14/2019	235	103	9	91		17,662		95	6	94		11,774				
F	02/15/2019	203	228	3	99		5,075		140	4	97		6,766				
S	02/16/2019	200	146	5	97		8,326		125	4	97		6,661				
Su	02/17/2019	197	180	2	99		3,283		137	4	97		6,566				
M	02/18/2019	230	156	7	96		13,415		121	5	96		9,582		15		
T	02/19/2019	205	127	7	94		11,961		136	7	95		11,961				
W	02/20/2019	187	150	3	98		4,669		121	4	97		6,225		12		
Th	02/21/2019	269	167	11	93		24,683		105	8	92		17,951				
F	02/22/2019	257	123	9	93		19,290		107	10	91		21,433				
S	02/23/2019	203	136	4	97		6,758		90	3	97		5,069				
Su	02/24/2019	227	153	5	97		9,475		125	4	97		7,580				
M	02/25/2019	259	117	9	92		19,456		100	8	92		17,294		18		
T	02/26/2019	203	121	4	97		6,767		117	4	97		6,767				
W	02/27/2019	197	163	4	98		6,563		119	3	97		4,922		11		
Th	02/28/2019	195	160	4	98		6,514		126	4	97		6,514				
F	03/01/2019	191	165	4	98		6,362		136	4	97		6,362				
S	03/02/2019	263	143	16	89		35,069		115	12	90		26,302				

TOTAL	5,960	4,468							3,420								
AVERAGE	213	160	7	96	62	12,053			122	6	95		10,164				16

Wk1	203	173	7	96		11,419		131	5	96		9,338		
Wk2	217	172	12	95		15,458	(a)	122	7	95		12,020	(a)	
Wk3	221	148	6	96		12,008		117	6	95		11,255		
Wk4	219	146	7	95		12,887		120	6	95		10,820		

MAX	340
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CBOD 20 LBS--	31,625
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NPDES/D LIMITS	MO	<30	>85	<52,540	<25	>86	<36,430
	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS--	<71,760
---------------	---------

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - FEBRUARY 2019**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
F 02/01/2019	200	6.9	6.9	6.9	0.30	2		
S 02/02/2019	197	6.9	6.9	7.3	0.22	5		
Su 02/03/2019	200	6.9	6.9	7.1	0.29	7		
M 02/04/2019	201	6.9	6.9	6.8	0.28	7		
T 02/05/2019	197	6.5	6.5	7.0	0.18	5		
W 02/06/2019	192	6.8	6.8	7.0	0.13	11		
Th 02/07/2019	242	6.7	6.7	7.4	0.19	12		
F 02/08/2019	197	6.8	6.8	6.9	0.29	1		
S 02/09/2019	189	6.9	6.9	7.4	0.39	1		
Su 02/10/2019	154	6.9	6.9	7.3	0.33	3		
M 02/11/2019	183	6.7	6.8	6.8	0.32	2		
T 02/12/2019	202	7.0	6.9	5.7	0.33	2		
W 02/13/2019	340	6.9	6.8	6.8	0.38	38		
Th 02/14/2019	235	6.9	6.8	5.7	0.33	3		
F 02/15/2019	203	6.9	6.8	5.4	0.29	1		
S 02/16/2019	200	6.9	6.8	5.5	0.29	2		
Su 02/17/2019	197	6.9	6.8	5.7	0.27	5		
M 02/18/2019	230	6.8	6.8	6.9	0.31	8		
T 02/19/2019	205	6.8	7.0	7.0	0.27	1		
W 02/20/2019	187	6.8	6.8	7.2	0.29	3		
Th 02/21/2019	269	6.8	6.7	7.1	0.27	579		
F 02/22/2019	257	6.8	6.8	7.0	0.25	6		
S 02/23/2019	203	6.7	6.7	7.5	0.26	3		
Su 02/24/2019	227	6.8	6.8	5.4	0.30	90		
M 02/25/2019	259	6.9	6.9	6.4	0.28	15		
T 02/26/2019	203	7.0	6.9	6.6	0.32	5		
W 02/27/2019	197	6.8	6.8	5.3	0.28	11		
Th 02/28/2019	195	7.0	6.9	5.5	0.25	3		
TOTAL	5,960	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	213	6.5	7.0	5.3	6.6	0.28	0.39	MEAN
								6

Wk1 203  
Wk2 217  
Wk3 221  
Wk4 219

**MAX** 340

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - FEBRUARY 2019  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
02/01/2019	0.34	0.26	0.30	6.6	7.2	6.9	2	3	2
02/02/2019	0.17	0.26	0.22	7.1	7.4	7.3	5	4	5
02/03/2019	0.19	0.39	0.29	7.0	7.2	7.1	6	7	7
02/04/2019	0.25	0.30	0.28	6.6	6.9	6.8	12	4	7
02/05/2019	0.19	0.17	0.18	6.8	7.2	7.0	7	3	5
02/06/2019	0.14	0.12	0.13	6.8	7.2	7.0	9	14	11
02/07/2019	0.21	0.17	0.19	7.0	7.7	7.4	12	12	12
02/08/2019	0.26	0.31	0.29	6.7	7.0	6.9	2	1	1
02/09/2019	0.33	0.44	0.39	7.2	7.5	7.4	2	1	1
02/10/2019	0.33	0.33	0.33	7.1	7.5	7.3	3	3	3
02/11/2019	0.32	0.32	0.32	6.5	7.0	6.8	2	2	2
02/12/2019	0.30	0.35	0.33	5.5	5.9	5.7	2	2	2
02/13/2019	0.40	0.35	0.38	6.3	7.2	6.8	46	31	38
02/14/2019	0.30	0.35	0.33	5.5	5.8	5.7	3	3	3
02/15/2019	0.27	0.31	0.29	5.3	5.4	5.4	2	1	1
02/16/2019	0.28	0.29	0.29	5.2	5.7	5.5	4	1	2
02/17/2019	0.26	0.28	0.27	5.5	5.9	5.7	9	3	5
02/18/2019	0.28	0.33	0.31	6.6	7.1	6.9	10	6	8
02/19/2019	0.28	0.26	0.27	6.9	7.1	7.0	1	2	1
02/20/2019	0.30	0.27	0.29	6.9	7.4	7.2	4	2	3
02/21/2019	0.30	0.24	0.27	6.9	7.3	7.1	687	488	579
02/22/2019	0.21	0.28	0.25	6.8	7.2	7.0	7	5	6
02/23/2019	0.27	0.24	0.26	7.2	7.7	7.5	3	3	3
02/24/2019	0.32	0.28	0.30	5.0	5.7	5.4	210	39	90
02/25/2019	0.28	0.27	0.28	6.2	6.5	6.4	20	12	15
02/26/2019	0.32	0.31	0.32	6.2	6.9	6.6	3	9	5
02/27/2019	0.26	0.29	0.28	5.0	5.5	5.3	15	8	11
02/28/2019	0.24	0.26	0.25	5.4	5.5	5.5	8	1	3
Avg	0.27	0.29	0.28	6.4	6.8	6.6	7	5	6

# PERMIT

## NEWPCP - FEBRUARY 2019

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
02/01/2019			
02/02/2019			
02/03/2019			
02/04/2019	140	9	94%
02/05/2019			
02/06/2019	135	16	88%
02/07/2019			
02/08/2019			
02/09/2019			
02/10/2019			
02/11/2019	151	11	93%
02/12/2019			
02/13/2019	101	42	58%
02/14/2019			
02/15/2019			
02/16/2019			
02/17/2019			
02/18/2019	125	13	90%
02/19/2019			
02/20/2019	127	10	92%
02/21/2019			
02/22/2019			
02/23/2019			
02/24/2019			
02/25/2019	126	14	89%
02/26/2019			
02/27/2019	124	8	94%
02/28/2019			
AVG	129	15	87%

**DESIGN - 210 MGD**

<b>NEWPCP - FEBRUARY 2019</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
02/01/2019	58	107	35	200	251	0.06
02/02/2019	57	106	34	197	222	
02/03/2019	60	106	35	200	260	
02/04/2019	60	107	34	201	248	
02/05/2019	57	103	36	197	228	T
02/06/2019	57	99	36	192	222	0.30
02/07/2019	78	116	48	242	395	0.06
02/08/2019	57	104	36	197	225	0.04
02/09/2019	56	99	35	189	256	
02/10/2019	54	64	35	154	229	0.09
02/11/2019	56	96	31	183	221	0.26
02/12/2019	61	103	38	202	301	1.00
02/13/2019	101	174	64	340	462	0.03
02/14/2019	70	127	38	235	330	
02/15/2019	57	112	34	203	259	
02/16/2019	57	107	36	200	248	
02/17/2019	56	106	35	197	230	0.21
02/18/2019	70	118	42	230	376	0.15
02/19/2019	57	111	37	205	258	
02/20/2019	53	99	35	187	214	0.65
02/21/2019	84	136	49	269	411	0.01
02/22/2019	75	140	42	257	347	
02/23/2019	55	112	35	203	229	0.03
02/24/2019	67	118	42	227	426	0.38
02/25/2019	75	142	42	259	404	
02/26/2019	55	113	35	203	258	
02/27/2019	55	108	34	197	234	
02/28/2019	55	105	35	195	289	T
<b>TOTAL</b>	<b>1,890</b>	<b>3,371</b>	<b>1,069</b>	<b>5,960</b>		<b>3.27</b>
<b>AVG</b>	<b>63</b>	<b>112</b>	<b>38</b>	<b>213</b>		
			<b>MIN</b>	<b>154</b>	<b>214</b>	
			<b>MAX</b>	<b>340</b>	<b>462</b>	

\* ADJUSTED FOR RECYCLE.



PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF FEBRUARY 2019

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
02/01/2019	0.417	3.170	3.10	7.14	0.200
02/06/2019	0.392	2.850	7.75	7.70	0.166
02/13/2019	0.240	2.090	4.69	9.17	1.036
02/20/2019	0.268	1.580	6.57	8.08	0.163
02/27/2019	0.346	2.140	6.36	8.05	0.220
<b>AVG</b>	0.333	2.366	5.69	8.03	0.357
<b>MAX</b>	0.417	3.170	7.75	9.17	1.036

**Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
02/01/2019	< 0.050
02/06/2019	< 0.050
	< 0.050

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	02/01/2019	02/06/2019	AVG
Copper	< 0.0100	0.0070	0.0085
Iron	0.2420	0.2700	0.2560
Iron Dissolved	0.0440	0.0410	0.0425
Lead	< 0.0030	< 0.0030	< 0.0030
Zinc	< 0.1000	0.0360	0.0680

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	02/01/2019	02/05/2019	AVG
1,2-Dichloroethane	< 0.0005	< 0.0005	< 0.0005
Chloroform	0.0032	0.0029	0.0030
Chlorodibromomethane	< 0.0005	< 0.0005	< 0.0005000
Tetrachloroethylene	< 0.0005	< 0.0005	< 0.0005
Trichloroethylene	< 0.0005	< 0.0005	< 0.0005000

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20190321-001  
 Report Date: 03/21/2019

NE Daily Composite

WW190201-014

Composite 24h 02/01/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	2/1/2019	7:32	2/1/2019	9:35	5	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 118%. Acceptance limits are 90 to 110%.
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WW190202-013

Composite 24h 02/02/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/2/2019	12:30	2/7/2019	7:12	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 236 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190206-015

Composite 24h 02/06/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
PCBs Total <sup>B,D</sup>	EPA 608.3	2/11/2019	15:01	2/12/2019	23:09	<0.50 <sup>E</sup>	µg/L	0.50	µg/L
Solids Suspended Total	SM 2540 D	2/6/2019	8:23	2/6/2019	10:30	5.00 <sup>E</sup>	mg/L	2.5	mg/L

Data Qualifiers:

PCBs Total	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 45% in the sample, which is outside the acceptance limits of 60-140%. Data may be biased low.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 60%. Acceptance limits are 90 to 110%.

WW190207-013

Composite 24h 02/07/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/7/2019	9:30	2/12/2019	8:10	8	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 230 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190208-013

Composite 24h 02/08/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/8/2019	11:00	2/13/2019	7:26	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 254 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190209-013

Composite 24h 02/09/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/9/2019	11:28	2/14/2019	7:10	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 238 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190211-015

Composite 24h 02/11/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/11/2019	9:10	2/16/2019	7:15	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 230 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190212-013

Composite 24h 02/12/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/12/2019	12:10	2/17/2019	7:50	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190213-016

Composite 24h 02/13/2019 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/13/2019	10:30	2/18/2019	7:50	22	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is NR, acceptance limits are 168 to 229 mg/L. GGA was not added to sample bottle.
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WW190214-013

Composite 24h 02/14/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/14/2019	9:25	2/19/2019	7:00	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 231 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190216-013

Composite 24h 02/16/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/16/2019	9:25	2/21/2019	8:55	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190217-013

Composite 24h 02/17/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/17/2019	13:00	2/22/2018	7:11	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 231 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190218-014

Composite 24h 02/18/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	SM 5210 B	2/18/2019	11:15	3/10/2019	7:20	15	mg/L	2.0	mg/L
CBOD5	SM 5210 B	2/18/2019	12:15	2/23/2019	8:25	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	CBOD GGA recovery is 231 mg/L, acceptance limits are 168 to 229 mg/L.
CBOD5	CBOD GGA recovery is 231 mg/L, acceptance limits are 168 to 229 mg/L.

WW190220-015

Composite 24h 02/20/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/20/2019	10:15	2/25/2019	8:00	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 239 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190222-013

Composite 24h 02/22/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/22/2019	9:08	2/27/2019	8:30	10	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 239 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190224-013

Composite 24h 02/24/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	2/24/2019	12:00	3/1/2019	8:07	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 243 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190225-014

Composite 24h 02/25/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	2/25/2019	7:39	2/25/2019	9:47	9	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 77.5%. Acceptance limits are 90 to 110%.
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WW190226-013

Composite 24h 02/26/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	2/26/2019	7:15	2/26/2019	9:15	4	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 90 to 110%.
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Legend

A - Results reported on a basis other than as received, e.g. dry weight.

- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: Aaron Bitler  
Title: Laboratory Manager  
Date: 3/21/2019

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20190321-002  
 Report Date: 03/21/2019

NE Daily Grab

WW190203-001

Grab 02/03/2019 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			2/4/2019	8:36	6.3	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.708. The maximum acceptable PCV is 0.577. The measured results were 4.1 MPN/100mL and <1 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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WW190203-002

Grab 02/03/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			2/4/2019	8:36	7.4	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.708. The maximum acceptable PCV is 0.577. The measured results were 4.1 MPN/100mL and <1 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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WW190215-001

Grab 02/15/2019 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			2/16/2019	8:17	2	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.623. The maximum acceptable PCV is 0.577. The measured results were 2.0 MPN/100mL and 8.4 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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WW190225-001

Grab 02/25/2019 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			2/26/2019	8:25	19.9	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.628. The maximum acceptable PCV is 0.577. The measured results were 2.0 MPN/100mL and 8.5 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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WW190225-002

Grab 02/25/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			2/26/2019	8:25	11.9	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.628. The maximum acceptable PCV is 0.577. The measured results were 2.0 MPN/100mL and 8.5 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name: Aaron Bitler  
 Title: Laboratory Manager  
 Date: 3/21/2019





Debra A. McCarty, Water Commissioner

April 25, 2019

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for March 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 03/01/2019-03/31/2019

**Report Due Date:** 04/28/2019

**Submitted By:** Mary Ellen Senss

**Submission Id:** 146109

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for March 2019

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - MARCH 2019 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)			
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM		LBS	LBS***	
F	03/01/2019	187	166	4	98		6,235		136	4	97		6,235	
S	03/02/2019	259	143	16	89		34,496		115	12	90		25,872	
Su	03/03/2019	228	103	11	89		20,954		97	8	92		15,240	
M	03/04/2019	287	104	40	62		95,670		87	16	82		38,268	39
T	03/05/2019	291	103	26	75		63,111		81	15	81		36,410	
W	03/06/2019	209	111	8	93		13,924		114	8	93		13,924	16
Th	03/07/2019	196	165	6	96		9,810		131	4	97		6,540	
F	03/08/2019	195	146	5	97		8,151		157	5	97		8,151	
S	03/09/2019	191	144	5	97		7,964		109	3	97		4,778	
Su	03/10/2019	212	155	17	89		30,106		133	8	94		14,167	
M	03/11/2019	286	118	31	74		73,919		98	16	84		38,152	33
T	03/12/2019	211	172	6	97		10,559		126	5	96		8,799	
W	03/13/2019	203	143	5	97		8,476		133	5	96		8,476	12
Th	03/14/2019	195	236	6	97		9,761		182	5	97		8,134	
F	03/15/2019	206	336	6	98		10,326		195	4	98		6,884	
S	03/16/2019	224	307	12	96		22,387		168	8	95		14,925	
Su	03/17/2019	196	87	4	95		6,552		112	5	96		8,189	
M	03/18/2019	195	155	7	95		11,364		126	5	96		8,117	15
T	03/19/2019	194	161	3	98		4,858		143	5	97		8,097	
W	03/20/2019	188	179	5	97		7,836		138	5	96		7,836	13
Th	03/21/2019	190	144	3	98		4,746		118	5	96		7,910	
F	03/22/2019	346	129	20	85	84	52,540	57,795	96	15	86	84	36,430	43,346
S	03/23/2019	183	98	7	93		10,661		93	15	84		22,845	
Su	03/24/2019	327	78	4	95		10,909		106	5	95		13,637	
M	03/25/2019	202	150	5	97		8,406		124	5	96		8,406	14
T	03/26/2019	205	158	5	97		8,560		128	6	95		10,272	
W	03/27/2019	200	271	6	98		10,032		144	5	97		8,360	14
Th	03/28/2019	195	171	4	98		6,493		136	5	96		8,116	
F	03/29/2019	188	198	4	98		6,266		163	4	98		6,266	
S	03/30/2019	186	157	4	97		6,209		122	5	96		7,761	
Su	03/31/2019	189	123	5	96		7,879		129	6	95		9,455	

TOTAL AVERAGE	6,764 218	4,911 158	9	93	84	19,005	3,939 127	7	94	13,763	19
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Wk1	228	125	14	87	31,369	111	8	91	17,616
Wk2	220	210	12	93	23,648	148	7	94	14,220
Wk3	213	136	7	95	14,079	118	8	93	14,203
Wk4	215	169	5	97	8,125	132	5	96	8,974

MAX	346
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CBOD 20 LBS--	38,749
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NPDES/D LIMITS	MO WK	<30 <45	>85	<52,540 <78,810		<25 <40	>86	<36,430 <54,645
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CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - MARCH 2019**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
F 03/01/2019	187	6.9	6.9	5.3	0.26	8		
S 03/02/2019	259	6.9	6.8	7.4	0.23	418		
Su 03/03/2019	228	7.0	6.9	6.5	0.24	35		
M 03/04/2019	287	6.6	6.6	7.9	0.15	1,564		
T 03/05/2019	291	7.0	7.0	7.2	0.26	58		
W 03/06/2019	209	7.0	7.0	7.0	0.27	16		
Th 03/07/2019	196	7.2	7.1	7.1	0.32	16		
F 03/08/2019	195	7.0	7.0	7.1	0.31	2		
S 03/09/2019	191	7.0	7.0	7.4	0.27	2		
Su 03/10/2019	212	7.0	6.8	6.4	0.18	1,939		
M 03/11/2019	286	7.0	6.9	6.2	0.28	91		
T 03/12/2019	211	6.6	6.7	6.9	0.31	8		
W 03/13/2019	203	7.0	6.9	6.3	0.38	9		
Th 03/14/2019	195	7.0	7.0	5.4	0.36	261		
F 03/15/2019	206	7.0	7.0	5.2	0.46	3		
S 03/16/2019	224	7.0	7.0	6.0	0.47	2		
Su 03/17/2019	196	7.1	7.0	7.1	0.46	3		
M 03/18/2019	195	7.0	6.9	6.9	0.54	1		
T 03/19/2019	194	7.1	7.0	6.9	0.57	5		
W 03/20/2019	188	7.0	7.0	7.1	0.53	4		
Th 03/21/2019	190	6.9	6.9	6.0	0.51	12		
F 03/22/2019	346	7.1	6.9	6.1	0.47	50		
S 03/23/2019	183	7.1	7.0	7.2	0.52	1		
Su 03/24/2019	327	7.0	7.0	7.1	0.57	1		
M 03/25/2019	202	7.0	7.0	6.2	0.51	2		
T 03/26/2019	205	7.0	6.9	5.7	0.62	4		
W 03/27/2019	200	6.7	6.8	5.3	0.62	2		
Th 03/28/2019	195	7.3	7.1	5.4	0.55	4		
F 03/29/2019	188	7.0	7.0	4.7	0.55	4		
S 03/30/2019	186	7.0	7.0	5.2	0.55	4		
Su 03/31/2019	189	7.0	7.0	5.6	0.58	2		
TOTAL AVERAGE	6,764 218	MIN 6.6	MAX 7.3	MIN 4.7	AVG 6.4	AVG 0.41	MAX 0.62	GEOMETRIC MEAN 10

Wk1 228  
Wk2 220  
Wk3 213  
Wk4 215

**MAX** 346

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - MARCH 2019  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
03/01/2019	0.24	0.28	0.26	5.2	5.4	5.3	16	4	8
03/02/2019	0.28	0.17	0.23	7.1	7.6	7.4	178	980	418
03/03/2019	0.29	0.18	0.24	6.3	6.6	6.5	18	66	35
03/04/2019	0.14	0.16	0.15	7.5	8.2	7.9	1,011	> 2,420	1,564
03/05/2019	0.29	0.23	0.26	6.7	7.6	7.2	32	105	58
03/06/2019	0.30	0.23	0.27	6.9	7.0	7.0	10	26	16
03/07/2019	0.35	0.28	0.32	6.9	7.3	7.1	6	39	16
03/08/2019	0.31	0.30	0.31	6.8	7.3	7.1	3	2	2
03/09/2019	0.29	0.25	0.27	7.2	7.6	7.4	< 1	5	2
03/10/2019	0.20	0.16	0.18	6.6	6.1	6.4	1,553	> 2,420	1,939
03/11/2019	0.32	0.24	0.28	5.9	6.4	6.2	62	133	91
03/12/2019	0.33	0.29	0.31	6.5	7.2	6.9	4	16	8
03/13/2019	0.41	0.34	0.38	6.1	6.5	6.3	19	4	9
03/14/2019	0.39	0.33	0.36	5.3	5.5	5.4	131	517	261
03/15/2019	0.48	0.43	0.46	5.0	5.3	5.2	7	1	3
03/16/2019	0.50	0.44	0.47	5.6	6.3	6.0	2	3	2
03/17/2019	0.52	0.39	0.46	6.8	7.4	7.1	2	4	3
03/18/2019	0.55	0.53	0.54	6.6	7.1	6.9	1	1	1
03/19/2019	0.61	0.52	0.57	6.6	7.2	6.9	5	4	5
03/20/2019	0.57	0.49	0.53	6.9	7.2	7.1	4	4	4
03/21/2019	0.63	0.39	0.51	5.8	6.2	6.0	9	17	12
03/22/2019	0.56	0.37	0.47	6.0	6.2	6.1	21	117	50
03/23/2019	0.60	0.44	0.52	6.9	7.4	7.2	1	1	1
03/24/2019	0.61	0.53	0.57	6.9	7.3	7.1	1	1	1
03/25/2019	0.57	0.44	0.51	6.0	6.3	6.2	3	2	2
03/26/2019	0.65	0.59	0.62	5.6	5.8	5.7	8	2	4
03/27/2019	0.71	0.53	0.62	5.2	5.4	5.3	1	3	2
03/28/2019	0.61	0.48	0.55	5.6	5.1	5.4	3	6	4
03/29/2019	0.57	0.53	0.55	4.6	4.7	4.7	3	4	4
03/30/2019	0.62	0.48	0.55	5.0	5.4	5.2	3	5	4
03/31/2019	0.61	0.54	0.58	5.5	5.7	5.6	1	3	2
Avg	0.46	0.37	0.41	6.2	6.5	6.4	8	13	10

# PERMIT

## NEWPCP - MARCH 2019

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
03/01/2019			
03/02/2019			
03/03/2019			
03/04/2019	91	40	56%
03/05/2019			
03/06/2019	118	14	88%
03/07/2019			
03/08/2019			
03/09/2019			
03/10/2019			
03/11/2019	104	35	66%
03/12/2019			
03/13/2019	137	8	94%
03/14/2019			
03/15/2019			
03/16/2019			
03/17/2019			
03/18/2019	135	8	94%
03/19/2019			
03/20/2019	140	6	96%
03/21/2019			
03/22/2019			
03/23/2019			
03/24/2019			
03/25/2019	131	5	96%
03/26/2019			
03/27/2019	162	6	96%
03/28/2019			
03/29/2019			
03/30/2019			
03/31/2019			
AVG	127	15	86%

**DESIGN - 210 MGD**

<b>NEWPCP - MARCH 2019</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
03/01/2019	54	102	30	187	249	0.39
03/02/2019	82	131	45	259	410	0.31
03/03/2019	69	125	35	228	327	0.90
03/04/2019	84	151	52	287	465	0.09
03/05/2019	86	161	43	291	425	
03/06/2019	60	116	33	209	248	T
03/07/2019	57	105	33	196	235	T
03/08/2019	57	106	32	195	244	T
03/09/2019	56	102	33	191	244	
03/10/2019	65	109	38	212	442	0.89
03/11/2019	84	160	42	286	442	
03/12/2019	59	119	33	211	280	
03/13/2019	57	113	34	203	245	
03/14/2019	58	100	37	195	244	
03/15/2019	57	112	37	206	251	0.03
03/16/2019	68	121	35	224	397	
03/17/2019	55	112	29	196	260	
03/18/2019	56	108	31	195	253	
03/19/2019	55	104	35	194	239	
03/20/2019	53	101	34	188	227	T
03/21/2019	55	101	34	190	218	0.74
03/22/2019	114	173	60	346	470	0.27
03/23/2019	42	129	12	183	434	
03/24/2019	137	114	76	327	254	
03/25/2019	57	113	31	202	244	0.14
03/26/2019	62	105	38	205	295	
03/27/2019	54	110	37	200	255	
03/28/2019	55	105	35	195	246	
03/29/2019	55	103	30	188	239	T
03/30/2019	54	104	28	186	256	
03/31/2019	54	106	29	189	232	0.09
<b>TOTAL</b>	<b>2,012</b>	<b>3,622</b>	<b>1,043</b>	<b>6,201</b>		<b>3.85</b>
<b>AVG</b>	<b>65</b>	<b>117</b>	<b>37</b>	<b>221</b>		
			<b>MIN</b>	<b>183</b>	<b>218</b>	
			<b>MAX</b>	<b>346</b>	<b>470</b>	

\* ADJUSTED FOR RECYCLE.

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF MARCH 2019

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
03/06/2019	0.309	1.710	5.89	7.80	0.265
03/13/2019	0.322	1.730	8.16	8.61	0.141
03/20/2019	0.210	0.675	6.65	9.79	0.150
03/27/2019	0.193	0.635	7.95	9.69	0.138
<b>AVG</b>	0.259	1.188	7.16	8.97	0.174
<b>MAX</b>	0.322	1.730	8.16	9.79	0.265

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
03/06/2019	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	03/06/2019
Copper	0.0070
Iron	0.3230
Iron Dissolved	0.0320
Lead	< 0.0030 <
Zinc	0.0370

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	03/05/2019
1,2-Dichloroethane	< 0.0005
Chloroform	0.0025
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	0.0006
Trichloroethylene	< 0.0005



## BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>			
MARCH 2019	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT	
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro		
	MGD	MGD		MGD	MGD		
03/01/2019	0.845	1.235	120	1.399	1.294	100.9	
03/02/2019	0.878	1.243	118	1.417	1.578	135.2	
03/03/2019	0.828	0.828	84	1.245	1.797	137.3	
03/04/2019	0.863	0.771	65	1.448	0.804	82.6	
03/05/2019	-	0.092	8	1.479	1.515	110.5	
03/06/2019	0.843	0.843	61	1.531	1.680	121.9	
03/07/2019	0.911	0.083	7	1.508	1.508	109.9	
03/08/2019	0.418	0.740	72	1.387	1.387	144.9	
03/09/2019	1.354	1.709	158	1.329	0.944	60.7	
03/10/2019	0.863	0.715	71	2.963	3.154	325.7	
03/11/2019	-	0.299	24	1.591	2.001	162.9	
03/12/2019	0.890	0.071	7	1.035	0.672	69.5	
03/13/2019	0.867	1.407	128	0.288	0.127	6.8	
03/14/2019	0.870	0.966	67	1.439	1.544	103.7	
03/15/2019	0.458	0.279	25	1.177	1.109	75.3	
03/16/2019	0.459	0.498	46	1.294	1.567	117.9	
03/17/2019	0.868	1.098	102	1.217	0.941	80.6	
03/18/2019	0.867	0.079	8	1.578	1.932	131.1	
03/19/2019	0.865	1.430	118	1.485	1.053	75.1	
03/20/2019	0.889	0.610	63	1.590	1.595	120.4	
03/21/2019	0.902	0.623	58	1.294	1.459	101.5	
03/22/2019	0.893	0.893	77	1.378	1.470	110.0	
03/23/2019	-	0.870	167	1.099	1.243	102.7	
03/24/2019	0.866	0.281	23	3.090	3.118	312.3	
03/25/2019	0.899	0.958	96	1.065	0.741	70.9	
03/26/2019	0.838	1.001	94	0.969	0.662	61.8	
03/27/2019	-	0.276	27	0.550	1.378	142.3	
03/28/2019	-	(0.000)	-	1.555	0.812	59.8	
03/29/2019	0.877	0.792	66	1.169	1.497	116.4	
03/30/2019	0.863	0.719	69	1.118	1.074	85.2	
03/31/2019	0.879	0.419	42	1.376	1.560	161.0	
<b>TOTAL</b>	21.852	21.824	2,073	43.064	43.213	3,597	
<b>AVERAGE</b>	0.705	0.704	67	1.389	1.394	116	



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>
PERMIT NUMBER

<b>001</b>
OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **03/01/2019**  
 DMR Effective To: **03/31/2019**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2019	03	01	TO	2019	03	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	4.7	6.4	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	7.3	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	19005	31369	lbs/day	***	9	14	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	7.16	8.16	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.259	.322	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	1.188	1.730	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	8.97	9.79	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.174	.265	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0025	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	<.050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0070	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.3230	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0320	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0370	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	218	346	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.41	.62	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	<.0006	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	10	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	13763	17616	lbs/day	***	7	8	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg		***	***	25 Avg Mo		40 Wkly Avg	1/day
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	38749	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***		***	***	***		2/week	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2019  
 DMR Effective To: 03/31/2019  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	03	01	TO	2019	03	31

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	94	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	93	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)

## ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
E-NPDES NE201903.xlsx	Daily Effluent Monitoring Form	2019-04-26T09:44:28-04:00	
NE Daily Composite (04-22-2019).pdf	Laboratory Accreditation Form	2019-04-26T09:41:23-04:00	
BLSNE201903.xlsx	Nutrient Monitoring Form	2019-04-26T09:43:33-04:00	
201903SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2019-04-26T09:42:37-04:00	
NECSO 201903.xlsx	CSO Detailed Outfall Report Form	2019-04-26T09:45:18-04:00	

## PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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## UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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## OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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## COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. A flow in excess of 315 MGD qualified for permit relief on the 22nd of the month and was used in compliance reporting. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

## SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2019	4	26
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20190422-001  
 Report Date: 04/22/2019

NE Daily Composite

WW190303-014

Composite 24h 03/03/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/3/2019	10:15	3/8/2019	7:50	8	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 238 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190304-016

Composite 24h 03/04/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	SM 5210 B	3/4/2019	11:26	3/24/2019	8:15	39	mg/L	2.0	mg/L
CBOD5	SM 5210 B	3/4/2019	11:26	3/9/2019	7:00	16	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	CBOD GGA recovery is 230 mg/L, acceptance limits are 168 to 229 mg/L.
CBOD5	CBOD GGA recovery is 230 mg/L, acceptance limits are 168 to 229 mg/L.

WW190307-014

Composite 24h 03/07/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/7/2019	9:16	3/12/2019	8:08	4	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	3/7/2019	7:40	3/7/2019	9:40	6	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 120%. Acceptance limits are 90 to 110%.

WW190308-013

Composite 24h 03/08/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	3/8/2019	7:15	3/8/2019	9:27	5	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 82.5%. Acceptance limits are 90 to 110%.
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WW190309-013

Composite 24h 03/09/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	5M 5210 B	3/9/2019	10:25	3/14/2019	6:40	3	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 233 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190310-013

Composite 24h 03/10/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	3/10/2019	7:40	3/10/2019	9:56	17	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 80%. Acceptance limits are 90 to 110%.
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WW190311-014

Composite 24h 03/11/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/11/2019	9:10	3/16/2019	8:15	16	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	3/11/2019	7:45	3/11/2019	9:55	31	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 230 mg/L, acceptance limits are 168 to 229 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 70%. Acceptance limits are 90 to 110%.

WW190314-013

Composite 24h 03/14/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/14/2019	9:50	3/19/2019	7:15	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 237 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190316-013

Composite 24h 03/16/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/16/2019	11:25	3/21/2019	8:05	8	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 244 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190317-013

Composite 24h 03/17/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/17/2019	12:15	3/22/2019	7:05	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 235 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190319-013

Composite 24h 03/19/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/19/2019	9:20	3/24/2019	8:15	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190320-015

Composite 24h 03/20/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	3/25/2019	10:37	3/29/2019	16:22	9.79	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 113%. Acceptance limits are 90-110%.
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WW190322-013

Composite 24h 03/22/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/22/2019	9:20	3/27/2019	8:08	15	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 233 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190325-013

Composite 24h 03/25/2019 06:30



Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD20	SM 5210 B	3/25/2019	9:30	4/14/2019	6:26	14	mg/L	2.0	mg/L
CBOD5	SM 5210 B	3/25/2019	9:45	3/30/2019	8:15	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	CBOD GGA recovery is 236 mg/L, acceptance limits are 168 to 229 mg/L.
CBOD5	CBOD GGA recovery is 235 mg/L, acceptance limits are 168 to 229 mg/L.

WW190327-015

Composite 24h 03/27/2019 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500 Norg D	4/2/2019	11:10	4/8/2019	11:12	9.69	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 63%. Acceptance limits are 90 to 110%.
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WW190328-013

Composite 24h 03/28/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/29/2019	9:00	4/2/2019	7:45	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 238 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190331-013

Composite 24h 03/31/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	3/31/2019	10:04	4/5/2019	8:00	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 235 mg/L, acceptance limits are 168 to 229 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

Name: Aaron Bitler  
 Title: Laboratory Manager  
 Date: 4/22/2019



Debra A. McCarty, Water Commissioner

April 25, 2019

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for the period of January 2019 to March 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Quarterly

**Report Type:** DMR

**Reporting Period:** 01/01/2019-03/31/2019

**Report Due Date:** 04/28/2019

**Submitted By:** Mary Ellen Senss

**Submission Id:** 146122

**Submission Status:** Received

**Submission Type:** Original

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JANUARY 2019

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
01/02/2019	0.339	2.630	3.24	4.13	0.161
01/09/2019	0.382	2.910	4.95	5.38	0.176
01/16/2019	0.411	3.430	3.94	6.50	0.170
01/23/2019	0.418	3.230	6.46	6.38	0.150
01/28/2019	0.450	2.970	7.61	7.26	0.150
01/30/2019	0.389	2.110	7.87	7.09	0.270
AVG	0.398	2.880	5.68	6.12	0.180
MAX	0.450	3.430	7.87	7.26	0.270

Cyanide and Phenol Data (mg/L)

Northeast WPCP - Outfall

Date	Phenolics
01/28/2019	0.060
01/30/2019	< 0.050
AVG	< 0.055

Metals Data (mg/L)

Northeast WPCP - Outfall

Date	01/09/2019	01/28/2019	01/30/2019	AVG
Copper	0.0070 <	0.0100 <	0.0100	< 0.0090
Iron	0.2720	0.2820	0.5440	0.3660
Iron Dissolved	0.0350	0.0510	0.1360	0.0740
Lead	< 0.0030 <	0.0030 <	0.0030	< 0.0030
Zinc	0.0280 <	0.0100 <	0.0100	< 0.0160

Organics Data (mg/L)

Northeast WPCP - Outfall

Date	01/27/2019	01/28/2019	01/29/2019	01/30/2019	01/31/2019	AVG
1,2-Dichloroethane	< 0.0005 <	0.0005 <	0.0005	0.0006 <	0.0005 <	0.0005
3,3-Dichlorobenzidine	<	0.0100	<	0.0100	<	0.0100
alpha-BHC	<	0.0000200	<	0.0000200	<	0.0000200
Benidine	<	0.0050	<	0.0050	<	0.0050
Beta-BHC	<	0.0000200	<	0.0000200	<	0.0000200
Chlordane	<	0.0005000	<	0.0005000	<	0.0005000
Chloroform	0.0029	0.0024	0.0032	0.0034	0.0026	0.0029
Chlorodibromomethane	< 0.0005 <	0.0005 <	0.0005 <	0.0005 <	0.0005 <	0.0005
Dieldrin	<	0.0000200	<	0.0000200	<	0.0000200
Endrin	<	0.0000200	<	0.0000200	<	0.0000200
Heptachlor	<	0.0000200	<	0.0000200	<	0.0000200
p,p'-DDD	<	0.0000200	<	0.0000200	<	0.0000200
p,p'-DDE	<	0.0000200	<	0.0000200	<	0.0000200
p,p'-DDT	<	0.0000200	<	0.0000200	<	0.0000200
Lindane(Gamma-BHC)	<	0.0000200	<	0.0000200	<	0.0000200
Tetrachloroethylene	< 0.0005 <	0.0005 <	0.0005	0.0006 <	0.0005 <	0.0005
Trichloroethylene	< 0.0005 <	0.0005 <	0.0005	0.0006 <	0.0005 <	0.0005

**Toxicity (TUA)**

**Northeast WPCP - Outfall**

**02/01/2019**

Toxicity, Ceriodaphnia acute	1
Toxicity, Ceriodaphnia chronic	1
Toxicity, Pimphales acute	1
Toxicity, Pimphales chronic	1



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>
PERMIT NUMBER

<b>001</b>
OUTFALL NUMBER

Reporting Frequency: **Quarterly**  
 DMR Effective From: **01/01/2019**  
 DMR Effective To: **03/31/2019**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
FROM	2019	01	01	TO	2019	03 31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Toxicity, Acute - Ceriodaphnia Survival (61425)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite	
Toxicity, Chronic - Ceriodaphnia Survival (61426)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite	
Toxicity, Acute - Pimephales Survival (61427)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite	
Chlordane (51032)	Sample Measurement	***	***	***	***	<.0005000	***	mg/L	2/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite	
3,3-Dichlorobenzidine (34631)	Sample Measurement	***	***	***	***	<.0100	***	mg/L	2/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite	
Benzidine (39120)	Sample Measurement	***	***	***	***	<.0050	***	mg/L	2/quarter	Grab	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	Grab	
4,4-DDT (39300)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	2/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite	
4,4-DDD (39310)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	2/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite	
4,4-DDE (39320)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	2/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite	
alpha-BHC (39336)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	2/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite	
beta-BHC (39338)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	2/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite	
gamma-BHC (Lindane) (39344)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	2/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite	
Dieldrin (39380)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	2/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite	
Endrin (39390)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	2/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite	
Heptachlor (39410)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	2/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite	
Toxicity, Chronic - Pimephales Survival (61428)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite	
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite	
<b>Facility Parameter Comments</b>		See attached data qualifier report.									



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)

Facility Sampling Point Comments	
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COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)

## ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
NE WET Testing Composite (03-21-2019).pdf	Laboratory Accreditation Form	2019-04-26T10:01:50-04:00	
BLSNE201901.xlsx	WET Test Summary Report	2019-04-26T10:00:42-04:00	

## PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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## UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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## OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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## COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

## SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2019	4	26
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20190321-003  
 Report Date: 03/21/2019

NE WET Testing Composite

WW190201-006

Composite 24h 02/01/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
2-Chloronaphthalene <sup>B,D</sup>	EPA 625.1	2/4/2019	16:00	2/5/2019	1:07	<1.00 <sup>E</sup>	µg/L	1.00	µg/L
Acrolein <sup>B,D</sup>	EPA 624.1			2/12/2019	0:56	<1.0 <sup>E</sup>	µg/L	1.0	µg/L
Endosulfan II <sup>B,D</sup>	EPA 608.3	2/6/2019	16:12	2/7/2019	18:55	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan sulfate <sup>B,D</sup>	EPA 608.3	2/6/2019	16:12	2/7/2019	18:55	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endrin <sup>B,D</sup>	EPA 608.3	2/6/2019	16:12	2/7/2019	18:55	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608.3	2/6/2019	16:12	2/7/2019	18:55	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Heptachlor epoxide <sup>B,D</sup>	EPA 608.3	2/6/2019	16:12	2/7/2019	18:55	<0.02 <sup>E</sup>	µg/L	0.02	µg/L

Data Qualifiers:

2-Chloronaphthalene	The recovery of LCS is 51%, which is outside the acceptance limits of 60-118%. Results may have greater uncertainty.
Acrolein	Hold time was exceeded for this analysis. Preservation for this analysis did not meet regulatory or method requirements.
Endosulfan II	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Endosulfan sulfate	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Endrin	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Endrin aldehyde	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Heptachlor epoxide	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.

Legend

A - Results reported on a basis other than as received, e.g. dry weight.

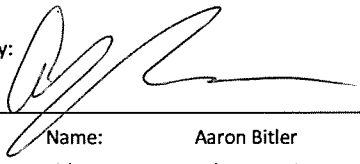
B - Tests performed are not covered by BLS's scope of accreditation.



C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:   
Signature: \_\_\_\_\_  
Name: Aaron Bitler  
Title: Laboratory Manager  
Date: 3/21/2019



Sarah E. Stevenson, Esq., Acting Water Commissioner

May 28, 2019

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for April 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 04/01/2019-04/30/2019

**Report Due Date:** 05/28/2019

**Submitted By:** Mary Ellen Senss

**Submission Id:** 150387

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for April 2019

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **04/01/2019**  
 DMR Effective To: **04/30/2019**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2019	04	01	TO	2019	04	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	3.9	6.2	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	7.3	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	6682	7939	lbs/day	***	4	5	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	9.27	12.60	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.417	.485	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	.898	1.140	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	10.30	12.80	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.336	.614	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0027	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month.								
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	<.050	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0063	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.1997	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0697	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0030	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0283	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	185	259	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.38	.65	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
	<b>Facility Parameter Comments</b>	6/month.								
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
	<b>Facility Parameter Comments</b>	6/month.								
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	5	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	8720	10195	lbs/day	***	6	7	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	20167	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***		***	***	***		2/week	24-Hr Composite
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 5TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2019  
 DMR Effective To: 04/30/2019  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	04	01	TO	2019	04	30

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	98	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**BUREAU OF CLEAN WATER**  
**DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
NE Daily Composite (05-21-2019).pdf	Laboratory Accreditation Form	2019-05-28T12:42:07-04:00	
NE Daily Grab (05-21-2019).pdf	Laboratory Accreditation Form	2019-05-28T12:42:35-04:00	
NECSO 201904.xlsx	CSO Detailed Outfall Report Form	2019-05-28T12:44:19-04:00	
BLSNE201904.xlsx	Nutrient Monitoring Form	2019-05-28T12:59:22-04:00	
E-NPDES NE201904.xlsx	Daily Effluent Monitoring Form	2019-05-28T13:04:13-04:00	
201904SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2019-05-28T12:43:42-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2019	5	28
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

# PERMIT NEWPCP - APRIL 2019 COMPOSITE SAMPLES

	DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS			CBOD <sub>5</sub>				CBOD 20 (mg/L)		
				EFF (mg/L)	SS% REM	SS%** REM	LBS	LBS***	INF* (mg/L)	EFF (mg/L)		CBOD5 %REM	CBOD5** %REM
Su	03/31/2019	189	123	5	96		7,879		129	6	95	9,455	
M	04/01/2019	205	186	7	96		11,958		148	9	94	15,375	
T	04/02/2019	188	116	4	97		6,260		129	7	95	10,954	
W	04/03/2019	176	177	4	98		5,883		143	6	96	8,825	14
Th	04/04/2019	161	207	3	99		4,022		159	5	97	6,703	
F	04/05/2019	158	216	3	99		3,952		153	9	94	11,857	18
S	04/06/2019	164	252	5	98		6,831		152	6	96	8,197	
Su	04/07/2019	168	250	4	98		5,617		152	6	96	8,426	
M	04/08/2019	182	213	8	96		12,176		160	9	94	13,698	16
T	04/09/2019	173	212	5	98		7,227		143	7	95	10,117	
W	04/10/2019	161	252	4	98		5,383		157	5	97	6,729	15
Th	04/11/2019	115	194	4	98		3,835		140	5	96	4,794	
F	04/12/2019	234	210	2	99		3,898		140	4	97	7,796	11
S	04/13/2019	186	282	6	98		9,324		139	6	96	9,324	
Su	04/14/2019	193	206	4	98		6,443		152	5	97	8,053	
M	04/15/2019	185	190	6	97		9,239		147	7	95	10,779	
T	04/16/2019	212	176	8	95		14,147		136	5	96	8,842	
W	04/17/2019	180	192	2	99		2,999		126	4	97	5,998	11
Th	04/18/2019	162	112	1	99		1,353		133	2	98	2,707	
F	04/19/2019	171	172	2	99		2,846		148	6	96	8,537	
S	04/20/2019	205	207	8	96		13,666		155	8	95	13,666	
Su	04/21/2019	249	153	8	95		16,622		120	6	95	12,467	
M	04/22/2019	225	179	4	98		7,491		125	6	95	11,237	
T	04/23/2019	177	156	2	99		2,951		141	4	97	5,902	
W	04/24/2019	168	156	1	99		1,400		154	4	97	5,601	12
Th	04/25/2019	165	356	2	99		2,759		159	5	97	6,896	
F	04/26/2019	165	408	2	100		2,758		184	4	98	5,515	
S	04/27/2019	259	220	10	95		21,592		104	8	92	17,274	
Su	04/28/2019	214	199	2	99		3,576		130	3	98	5,365	
M	04/29/2019	168	151	2	99		2,795		134	3	98	4,192	14
T	04/30/2019	173	191	1	99		1,442		135	4	97	5,768	

TOTAL	5,542	6,191						4,298					
AVERAGE	185	206	4	98		6,682		143	6	96		8,720	14

Wk1	177	183	4	97		6,684		145	7	95		10,195	
Wk2	174	230	5	98		6,780		147	6	96		8,698	
Wk3	187	179	4	98		7,242		142	5	96		8,369	
Wk4	201	233	4	98		7,939		141	5	96		9,270	

MAX 259

CBOD 20 LBS-- 20,167

NPDES/D LIMITS	MO	<30	>85	<52,540	<25	>86	<36,430
	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.



**PERMIT  
NEWPCP - APRIL 2019**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
M 04/01/2019	205	6.9	6.9	6.6	0.65	4		
T 04/02/2019	188	6.9	6.8	7.1	0.45	1		
W 04/03/2019	176	7.0	6.9	7.0	0.49	4		
Th 04/04/2019	161	6.6	6.6	7.1	0.42	4		
F 04/05/2019	158	7.0	7.0	7.2	0.47	5		
S 04/06/2019	164	7.0	7.0	7.4	0.35	3		
Su 04/07/2019	168	7.2	7.1	7.3	0.42	1		
M 04/08/2019	182	7.0	7.0	6.1	0.40	8		
T 04/09/2019	173	7.0	7.0	6.8	0.39	2		
W 04/10/2019	161	7.0	6.8	6.8	0.36	5		
Th 04/11/2019	115	7.0	6.9	6.8	0.34	4		
F 04/12/2019	234	6.6	6.7	5.4	0.38	4		
S 04/13/2019	186	7.0	6.9	4.8	0.39	8		
Su 04/14/2019	193	7.0	7.0	5.2	0.50	2		
M 04/15/2019	185	7.0	7.0	3.9	0.37	131		
T 04/16/2019	212	7.0	7.0	6.7	0.34	17		
W 04/17/2019	180	7.1	7.0	7.3	0.40	5		
Th 04/18/2019	162	7.0	6.9	7.1	0.34	5		
F 04/19/2019	171	7.1	7.0	6.8	0.41	3		
S 04/20/2019	205	7.0	7.0	4.6	0.36	64		
Su 04/21/2019	249	6.9	6.9	7.3	0.26	8		
M 04/22/2019	225	7.1	6.9	7.0	0.44	3		
T 04/23/2019	177	7.1	7.0	6.4	0.36	3		
W 04/24/2019	168	7.0	7.0	5.8	0.38	3		
Th 04/25/2019	165	7.0	7.0	5.5	0.23	9		
F 04/26/2019	165	7.0	6.9	4.2	0.30	20		
S 04/27/2019	259	6.7	6.8	5.5	0.30	5		
Su 04/28/2019	214	7.3	7.1	5.1	0.30	4		
M 04/29/2019	168	7.0	7.0	5.0	0.32	7		
T 04/30/2019	173	7.0	7.0	5.8	0.32	7		
						2		
TOTAL	5,542	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	185	6.6	7.3	3.9	6.2	0.38	0.65	MEAN
								5

Wk1 177  
Wk2 174  
Wk3 187  
Wk4 201

**MAX** 259

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - APRIL 2019  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
04/01/2019	0.68	0.62	0.65	6.5	6.7	6.6	6.3	3.1	4
04/02/2019	0.50	0.40	0.45	6.9	7.2	7.1	1.0	2.0	1
04/03/2019	0.52	0.45	0.49	6.9	7.0	7.0	3.1	5.2	4
04/04/2019	0.38	0.46	0.42	6.9	7.3	7.1	4.1 >	4.1	4
04/05/2019	0.46	0.47	0.47	6.8	7.5	7.2	5.2	4.1	5
04/06/2019	0.38	0.32	0.35	7.2	7.6	7.4	3.1	3.1	3
04/07/2019	0.41	0.42	0.42	7.1	7.4	7.3	2.0	1.0	1
04/08/2019	0.42	0.38	0.40	5.9	6.2	6.1	10.9	5.2	8
04/09/2019	0.40	0.38	0.39	6.6	6.9	6.8	< 2.0	3.1	2
04/10/2019	0.33	0.39	0.36	6.5	7.0	6.8	7.4 >	3.1	5
04/11/2019	0.31	0.36	0.34	6.5	7.0	6.8	6.2	2.0	4
04/12/2019	0.37	0.38	0.38	5.2	5.6	5.4	4.1	4.1	4
04/13/2019	0.39	0.39	0.39	4.6	5.0	4.8	7.5	8.6	8
04/14/2019	0.56	0.43	0.50	5.1	5.2	5.2	1.0	5.2	2
04/15/2019	0.33	0.40	0.37	3.8	3.9	3.9	410.6	42.0	131
04/16/2019	0.36	0.32	0.34	6.7	6.7	6.7	19.9	14.5	17
04/17/2019	0.41	0.39	0.40	7.2	7.3	7.3	6.3	4.1	5
04/18/2019	0.34	0.34	0.34	7.0	7.2	7.1	6.3	4.1	5
04/19/2019	0.35	0.47	0.41	6.6	6.9	6.8	5.2	2.0	3
04/20/2019	0.32	0.39	0.36	4.5	4.6	4.6	307.6	13.4	64
04/21/2019	0.22	0.29	0.26	7.2	7.3	7.3	8.4	7.5	8
04/22/2019	0.48	0.39	0.44	6.9	7.1	7.0	1.0	6.3	3
04/23/2019	0.32	0.39	0.36	6.3	6.4	6.4	2.0	5.2	3
04/24/2019	0.28	0.47	0.38	5.7	5.9	5.8	7.5	1.0	3
04/25/2019	0.20	0.26	0.23	5.5	5.5	5.5	9.7	7.5	9
04/26/2019	0.35	0.24	0.30	4.3	4.1	4.2	66.3	6.3	20
04/27/2019	0.31	0.29	0.30	5.3	5.6	5.5	4.1	6.3	5
04/28/2019	0.27	0.33	0.30	5.0	5.2	5.1	6.3	3.1	4
04/29/2019	0.26	0.37	0.32	4.9	5.1	5.0	16.8	3.0	7
04/30/2019	0.23	0.40	0.32	5.7	5.8	5.8	21.3	2.0	7
							1	3	2
Avg	0.37	0.39	0.38	6.0	6.3	6.2	7	4	5

# PERMIT

## NEWPCP - APRIL 2019

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
04/01/2019			
04/02/2019			
04/03/2019			
04/04/2019	91	40	56%
04/05/2019			
04/06/2019	118	14	88%
04/07/2019			
04/08/2019			
04/09/2019			
04/10/2019			
04/11/2019	104	35	66%
04/12/2019			
04/13/2019	137	8	94%
04/14/2019			
04/15/2019			
04/16/2019			
04/17/2019			
04/18/2019	135	8	94%
04/19/2019			
04/20/2019	140	6	96%
04/21/2019			
04/22/2019			
04/23/2019			
04/24/2019			
04/25/2019	131	5	96%
04/26/2019			
04/27/2019	162	6	96%
04/28/2019			
04/29/2019			
04/30/2019			
AVG	127	15	86%

**DESIGN - 210 MGD**

<b>NEWPCP - APRIL 2019</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
04/01/2019	54	121	29	205	326	
04/02/2019	58	101	28	188	226	
04/03/2019	52	102	22	176	243	
04/04/2019	52	83	26	161	277	
04/05/2019	51	84	23	158	196	0.10
04/06/2019	51	86	27	164	313	
04/07/2019	60	84	25	168	199	0.01
04/08/2019	50	101	31	182	373	0.14
04/09/2019	61	88	24	173	239	0.02
04/10/2019	52	85	25	161	196	
04/11/2019	48	42	25	115	234	
04/12/2019	98	112	24	234	234	0.23
04/13/2019	47	106	34	186	415	0.05
04/14/2019	63	104	26	193	268	0.01
04/15/2019	50	102	32	185	426	0.65
04/16/2019	58	127	27	212	380	
04/17/2019	61	96	24	180	206	
04/18/2019	47	93	22	162	198	
04/19/2019	46	99	25	171	238	0.42
04/20/2019	46	117	42	205	427	0.56
04/21/2019	71	141	37	249	238	T
04/22/2019	71	128	25	225	247	0.01
04/23/2019	48	105	24	177	227	T
04/24/2019	47	99	22	168	228	
04/25/2019	47	95	24	165	204	T
04/26/2019	46	91	28	165	402	0.78
04/27/2019	54	157	48	259	473	
04/28/2019	86	106	23	214	219	T
04/29/2019	47	98	22	168	249	0.04
04/30/2019	47	100	26	173	210	T
<b>TOTAL</b>	<b>1,669</b>	<b>3,052</b>	<b>774</b>	<b>5,202</b>		<b>3.02</b>
<b>AVG</b>	<b>56</b>	<b>102</b>	<b>28</b>	<b>186</b>		
			<b>MIN</b>	<b>115</b>	<b>196</b>	
			<b>MAX</b>	<b>259</b>	<b>473</b>	

\* ADJUSTED FOR RECYCLE.

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF APRIL 2019

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
04/03/2019	0.194	0.510	8.740	9.67	0.15
04/08/2019	0.420	0.935	12.600	12.80	0.22
04/10/2019	0.474	0.918	9.700	11.40	0.30
04/12/2019	0.485	1.140	9.710	11.10	0.51
04/17/2019	0.484	0.984	8.470	9.00	0.61
04/24/2019	0.446	0.901	6.400	7.84	0.23
AVG	0.417	0.898	9.270	10.30	0.34
MAX	0.485	1.140	12.600	12.80	0.61

**Cyanide and Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
04/08/2019	< 0.050
04/10/2019	< 0.050
04/12/2019	< 0.050
AVG	< 0.050

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	04/08/2019	04/10/2019	04/12/2019	AVG
Copper	0.0060	0.0070	0.0060	0.0063
Iron	0.1980	0.2520	0.1490	0.1997
Iron Dissolved	0.0750	0.0640	0.0700	0.0697
Lead	0.0030	0.0030	0.0030	0.0030
Zinc	0.0280 <	0.0100 <	0.0100	0.0160

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	04/07/2019	04/08/2019	04/09/2019	04/09/2019	04/10/2019	04/11/2019	AVG
1,2-Dichloroethane	<	0.0005 <	0.0005 <	0.0005	0.0006 <	0.0005 <	0.0005
3,3-Dichlorobenzidine	<	0.0010	<	0.0010	<	0.0010 <	0.0010
alpha-BHC	<	0.0000200	<	0.0000200	<	0.0000200 <	0.0000200
Benzidine	<	0.0050	<	0.0050	<	0.0050	0.0050
Beta-BHC	<	0.0000200	<	0.0000200	<	0.0000200 <	0.0000200
Chlordane	<	0.0005000	<	0.0005000	<	0.0005000 <	0.0005000
Chloroform	0.0027	0.0027	0.0038	0.0024	0.0024	0.0023	0.0027
Chlorodibromomethane	<	0.0005 <	0.0005 <	0.0005 <	0.0005 <	0.0005 <	0.0005
Dieldrin	<	0.0000200	<	0.00002	<	0.0000200 <	0.0000200
Endrin	<	0.0000200	<	0.00002	<	0.0000200 <	0.0000200
Heptachlor	<	0.0000200	<	0.00002	<	0.0000200 <	0.0000200
p,p'-DDD	<	0.0000200	<	0.00002	<	0.0000200 <	0.0000200
p,p'-DDE	<	0.0000200	<	0.00002	<	0.0000200 <	0.0000200
p,p'-DDT	<	0.0000200	<	0.00002	<	0.0000200 <	0.0000200
Lindane(Gamma-BHC)	<	0.0000200	<	0.00002	<	0.0000200 <	0.0000200
Tetrachloroethylene	<	0.0005 <	0.0005 <	0.0005	0.0006 <	0.0005 <	0.0005
Trichloroethylene	<	0.0005 <	0.0005 <	0.0005	0.0006 <	0.0005 <	0.0005

Toxicity (TUA)

Northeast WPCP - Outfall

04/12/2019

Toxicity, Ceriodaphnia acute		1.7
Toxicity, Ceriodaphnia chronic		2
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic		2

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

Report: NPW20190521-001  
 Report Date: 05/21/2019

NE Daily Composite

WW190401-013

Composite 24h 04/01/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/1/2019	12:35	4/6/2019	8:15	9	mg/L	2	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 248 mg/L, acceptance limits are 168 to 229 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.24 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190404-013

Composite 24h 04/04/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/4/2019	10:50	4/9/2019	7:55	5	mg/L	2	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 237 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190405-014

Composite 24h 04/05/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/5/2019	8:07	4/5/2019	10:20	3	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 43%. Acceptance limits are 90 to 110%.
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WW190406-013

Composite 24h 04/06/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/6/2019	13:18	4/11/2019	8:23	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 232 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190408-012

Composite 24h 04/08/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/8/2019	8:18	4/8/2019	10:37	190	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 90 to 110%.
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WW190413-013

Composite 24h 04/13/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/13/2019	12:45	4/18/2019	8:51	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190414-013

Composite 24h 04/14/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/14/2019	9:50	4/19/2019	7:55	5	mg/L	2	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 237 mg/L, acceptance limits are 168 to 229 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190415-014

Composite 24h 04/15/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/15/2019	11:10	4/20/2019	6:20	7	mg/L	2	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 238 mg/L, acceptance limits are 168 to 229 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.35 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190417-015

Composite 24h 04/17/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/17/2019	10:00	4/22/2019	10:00	4	mg/L	2	mg/L

Data Qualifiers:



CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.51, 0.41, 0.49 and 0.45 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190418-013

Composite 24h 04/18/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/18/2019	13:06	4/23/2019	0:00	2	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190419-013

Composite 24h 04/19/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/19/2019	8:03	4/19/2019	10:08	2	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 90 to 110%.
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WW190420-013

Composite 24h 04/20/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/20/2019	9:30	4/25/2019	8:15	8	mg/L	2	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 231 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190421-013

Composite 24h 04/21/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/21/2019	12:35	4/26/2019	8:50	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 234 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190422-014

Composite 24h 04/22/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/22/2019	13:18	4/27/2019	8:35	6	mg/L	2	mg/L

Solids Suspended Total	SM 2540 D	4/22/2019	7:42	4/22/2019	9:52	4	mg/L	2.5	mg/L
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Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.24, 0.22, and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 75%. Acceptance limits are 90 to 110%.

WW190423-013

Composite 24h 04/23/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/23/2019	11:30	4/28/2019	6:35	4	mg/L	2	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 248 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190424-015

Composite 24h 04/24/2019 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Solids Suspended Total	SM 2540 D	4/24/2019	7:45	4/24/2019	9:45	<2.50	mg/L	2.5	mg/L
TKN	SM 4500 Norg D	4/30/2019	12:02	5/1/2019	13:21	7.84	mg/L as N	1.0	mg/L as N

Data Qualifiers:

Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 83%. Acceptance limits are 90 to 110%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 87.5%. Acceptance limits are 90 to 110%.

WW190426-013

Composite 24h 04/26/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	SM 5210 B	4/26/2019	13:15	5/1/2019	6:50	4	mg/L	2	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 232 mg/L, acceptance limits are 168 to 229 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

Name: Aaron Bitler

Title: Laboratory Manager

Date: 5/21/2019

Philadelphia Water Department  
 Bureau of Laboratory Services  
 1500 E. Hunting Park Avenue  
 Philadelphia, PA 19124

Report prepared for:  
 PADEP  
 2 East Main Street  
 Norristown, PA 19401

NE Daily Grab

Report: NPW20190521-003  
 Report Date: 05/21/2019

WW190402-001

Grab 04/02/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			4/3/2019	8:26	1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.7160. The maximum acceptable PCV is 0.577. The measured results were 1.0 MPN/100mL and 5.2 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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WW190402-002

Grab 04/02/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			4/3/2019	8:26	2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.7160. The maximum acceptable PCV is 0.577. The measured results were 1.0 MPN/100mL and 5.2 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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WW190403-001

Grab 04/03/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			4/4/2019	8:44	3.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.7160. The maximum acceptable PCV is 0.577. The measured results were 1.0 MPN/100mL and 5.2 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW190403-002

Grab 04/03/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			4/4/2019	8:44	5.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.7160. The maximum acceptable PCV is 0.577. The measured results were 1.0 MPN/100mL and 5.2 MPN/100mL. PCV 0.556 was exceeded due to low values in samples.
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WW190412-001

Grab 04/12/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18 /Quantitray			4/13/2019	7:40	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.869. The maximum acceptable PCV is 0.577. The measured results were 7.4 MPN/100mL and <1 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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WW190412-002

Grab 04/12/2019 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18 /Quantitray			4/13/2019	7:40	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.869. The maximum acceptable PCV is 0.577. The measured results were 7.4 MPN/100mL and <1 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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WW190423-001

Grab 04/23/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			4/24/2019	8:17	2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.869. The maximum acceptable PCV is 0.577. The measured results were 1.0 MPN/100mL and 7.4 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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WW190423-002

Grab 04/23/2019 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			4/24/2019	8:17	5.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.869. The maximum acceptable PCV is 0.577. The measured results were 1.0 MPN/100mL and 7.4 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
---	---

Legend

A - Results reported on a basis other than as received, e.g. dry weight.

- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature:



Name: Aaron Bitler  
Title: Laboratory Manager  
Date: 5/21/2019



Randy E. Hayman, Water Commissioner

June 28, 2019

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for May 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 05/01/2019-05/31/2019

**Report Due Date:** 06/28/2019

**Submitted By:** Mary Ellen Senss

**Submission Id:** 153806

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for May 2019

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

**PA0026689**  
 PERMIT NUMBER

**001**  
 OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **05/01/2019**  
 DMR Effective To: **05/31/2019**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2019	05	01	TO	2019	05	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	2.5	5.5	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	7.0	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	10129	15538	lbs/day	***	5	7	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	4.46	5.26	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite as N (00615)	Sample Measurement	***	***	***	***	.460	.498	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.164	2.590	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	6.22	7.80	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.579	.780	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0029	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	<.050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0009	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.3330	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0790	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0360	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	207	334	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.27	.43	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	6	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	8901	12181	lbs/day	***	5	6	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	33463	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 05/01/2019  
 DMR Effective To: 05/31/2019  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	05	01	TO	2019	05	31

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
NE Daily Composite (06-21-2019).pdf	Laboratory Accreditation Form	2019-06-26T10:35:05-04:00	
NE Daily Grab (06-21-2019).pdf	Laboratory Accreditation Form	2019-06-26T10:35:31-04:00	
BLSNE201905.xlsx	Nutrient Monitoring Form	2019-06-26T10:58:11-04:00	
E-NPDES NE201905.xlsx	Daily Effluent Monitoring Form	2019-06-26T10:36:06-04:00	
201905SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2019-06-26T10:36:57-04:00	
NECSO 201905.xlsx	CSO Detailed Outfall Report Form	2019-06-26T10:38:08-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Flows in excess of 315MGD qualified for permit relief on the 6th and 14th of the month and were used in compliance reporting. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2019	6	26
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

# PERMIT NEWPCP - MAY 2019 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD <sub>5</sub>		LBS	CBOD 20 LBS*** (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	%REM					CBOD5 %REM	CBOD5** %REM		
W	05/01/2019	168	196	2	99	2,800		138	4	97		5,601	13	
Th	05/02/2019	162	257	2	99	2,709		170	3	98		4,063		
F	05/03/2019	165	245	2	99	2,752		147	5	97		6,881		
S	05/04/2019	160	200	2	99	2,670		150	3	98		4,005		
Su	05/05/2019	171	186	3	98	4,267		150	4	97		5,689		
M	05/06/2019	328	158	23	85	52,540	62,886	89	9	90		24,608	33	
T	05/07/2019	190	134	3	98	4,750		127	4	97		6,334		
W	05/08/2019	235	206	11	95	21,545		119	6	95		11,752	16	
Th	05/09/2019	187	149	4	97	6,245		129	5	96		7,806		
F	05/10/2019	176	116	2	98	2,929		108	4	96		5,859		
S	05/11/2019	175	144	3	98	4,384		127	3	98		4,384		
Su	05/12/2019	206	200	9	96	15,458		151	7	95		12,023		
M	05/13/2019	311	84	10	88	25,928		75	7	91		18,149	16	
T	05/14/2019	334	67	14	85	38,979	79	70	9	87		25,058		
M	05/15/2019	221	109	4	96	7,386		86	3	97		5,539	12	
Th	05/16/2019	212	99	4	96	7,056		99	4	96		7,056		
F	05/17/2019	206	113	3	97	5,164		117	4	97		6,885		
S	05/18/2019	211	159	5	97	8,797		121	6	95		10,556		
Su	05/19/2019	197	140	4	97	6,567		118	3	97		4,925		
M	05/20/2019	199	147	4	97	6,629		117	5	96		8,286	15	
T	05/21/2019	189	212	3	99	4,719		142	4	97		6,292		
W	05/22/2019	183	197	4	98	6,121		144	4	97		6,121	12	
Th	05/23/2019	181	165	3	98	4,531		145	3	98		4,531		
F	05/24/2019	213	222	5	98	8,902		149	6	96		10,682		
S	05/25/2019	174	149	3	98	4,361		123	4	97		5,815		
Su	05/26/2019	171	144	3	98	4,284		131	4	97		5,712		
M	05/27/2019	173	141	3	98	4,323		129	5	96		7,205	12	
T	05/28/2019	176	176	2	99	2,931		137	4	97		5,863		
W	05/29/2019	235	205	8	96	15,680		150	9	94		17,641	19	
Th	05/30/2019	230	230	8	97	15,365		108	5	95		9,603		
F	05/31/2019	264	137	6	96	13,228		92	5	95		11,023		
S	06/01/2019	206	147	3	98	5,153		100	2	98		3,435		

TOTAL	6,403	5,089						3,860					
AVERAGE	207	164	5	96	79	10,129		125	5	96		8,901	16

Wk1	209	156	7	96		13,809		121	5	96		9,490
Wk2	243	119	7	94		15,538		103	6	94		12,181
Wk3	191	176	4	98		5,976		134	4	97		6,664
Wk4	208	169	5	97		8,709		121	5	96		8,640

MAX 334

CBOD 20 LBS-- 33,463

NPDES/D	MO	<30	>85	<52,540	<25	>86	<36,430
LIMITS	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - MAY 2019**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
W 05/01/2019	168	6.9	6.9	6.6	0.25	4		
Th 05/02/2019	162	7.0	6.9	6.7	0.32	8		
F 05/03/2019	165	6.9	6.9	7.1	0.27	6		
S 05/04/2019	160	7.0	6.9	6.7	0.39	5		
Su 05/05/2019	171	7.0	7.0	4.5	0.43	13		
M 05/06/2019	328	6.8	6.7	6.4	0.23	8		
T 05/07/2019	190	6.7	6.7	6.6	0.31	6		
W 05/08/2019	235	6.6	6.6	5.7	0.25	4		
Th 05/09/2019	187	6.9	6.9	6.3	0.31	2		
F 05/10/2019	176	6.8	6.8	5.3	0.33	1		
S 05/11/2019	175	6.9	6.9	5.6	0.23	4		
Su 05/12/2019	206	6.7	6.7	3.3	0.31	64		
M 05/13/2019	311	6.7	6.7	2.5	0.28	29		
T 05/14/2019	334	6.9	6.8	4.6	0.20	16		
M 05/15/2019	221	7.0	6.9	5.5	0.23	9		
Th 05/16/2019	212	6.9	6.9	6.0	0.26	8		
F 05/17/2019	206	6.8	6.8	6.3	0.24	5		
S 05/18/2019	211	6.9	6.8	6.4	0.19	3		
Su 05/19/2019	197	6.8	6.8	6.3	0.26	3		
M 05/20/2019	199	6.8	6.8	6.0	0.24	8		
T 05/21/2019	189	6.9	6.9	6.1	0.22	7		
W 05/22/2019	183	6.8	6.9	6.3	0.27	4		
Th 05/23/2019	181	6.9	6.8	6.0	0.28	4		
F 05/24/2019	213	6.8	6.8	5.2	0.22	7		
S 05/25/2019	174	6.9	6.8	5.2	0.25	5		
Su 05/26/2019	171	6.9	6.9	4.6	0.30	2		
M 05/27/2019	173	6.8	6.8	4.7	0.34	1		
T 05/28/2019	176	6.9	6.9	4.4	0.27	4		
W 05/29/2019	235	6.7	6.7	4.9	0.23	4		
Th 05/30/2019	230	6.7	6.7	4.6	0.19	8		
F 05/31/2019	264	6.8	6.7	5.1	0.26	7		
TOTAL AVERAGE	6,403 207	MIN 6.6	MAX 7.0	MIN 2.5	AVG 5.5	AVG 0.27	MAX 0.43	GEOMETRIC MEAN 6

Wk1 209  
Wk2 243  
Wk3 191  
Wk4 208

**MAX** 334

EFFLUENT  
NPDES/D  
LIMITS

MIN MAX  
6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - MAY 2019  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)	
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)		
05/01/2019	0.24	0.26	0.25	6.5	6.7	6.6	13	<	1	4
05/02/2019	0.27	0.36	0.32	6.6	6.7	6.7	11		6	8
05/03/2019	0.24	0.30	0.27	6.7	7.4	7.1	8		4	6
05/04/2019	0.56	0.22	0.39	6.5	6.9	6.7	6		4	5
05/05/2019	0.44	0.42	0.43	4.4	4.5	4.5	20		9	13
05/06/2019	0.23	0.22	0.23	6.2	6.6	6.4	16		4	8
05/07/2019	0.29	0.33	0.31	6.4	6.8	6.6	6		5	6
05/08/2019	0.24	0.25	0.25	5.5	5.9	5.7	8		2	4
05/09/2019	0.31	0.31	0.31	6.1	6.5	6.3	2		2	2
05/10/2019	0.32	0.33	0.33	5.2	5.4	5.3	2	<	1	1
05/11/2019	0.27	0.19	0.23	5.6	5.5	5.6	6		2	4
05/12/2019	0.35	0.27	0.31	3.2	3.4	3.3	93		44	64
05/13/2019	0.31	0.24	0.28	2.2	2.7	2.5	30		27	29
05/14/2019	0.20	0.19	0.20	4.6	4.5	4.6	31		8	16
05/15/2019	0.24	0.22	0.23	5.1	5.8	5.5	14		5	9
05/16/2019	0.25	0.26	0.26	5.9	6.1	6.0	12		5	8
05/17/2019	0.23	0.25	0.24	6.0	6.5	6.3	8		3	5
05/18/2019	0.18	0.19	0.19	6.3	6.4	6.4	4		2	3
05/19/2019	0.25	0.26	0.26	6.2	6.4	6.3	2		4	3
05/20/2019	0.25	0.23	0.24	5.9	6.1	6.0	8		8	8
05/21/2019	0.23	0.21	0.22	6.0	6.2	6.1	12		4	7
05/22/2019	0.28	0.25	0.27	6.2	6.3	6.3	4		4	4
05/23/2019	0.28	0.27	0.28	6.0	6.0	6.0	9		2	4
05/24/2019	0.23	0.20	0.22	5.2	5.2	5.2	10		5	7
05/25/2019	0.32	0.17	0.25	5.0	5.3	5.2	4		5	5
05/26/2019	0.25	0.35	0.30	4.5	4.6	4.6	3		2	2
05/27/2019	0.30	0.37	0.34	4.7	4.6	4.7	2		1	1
05/28/2019	0.28	0.26	0.27	4.4	4.4	4.4	6		3	4
05/29/2019	0.21	0.25	0.23	4.9	4.8	4.9	9		2	4
05/30/2019	0.18	0.19	0.19	4.6	4.6	4.6	14		4	8
05/31/2019	0.24	0.27	0.26	5.1	5.0	5.1	16		3	7
Avg	0.27	0.26	0.27	5.4	5.6	5.5	8		4	6

# PERMIT

## NEWPCP - MAY 2019

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
05/01/2019	154	6	96%
05/02/2019			
05/03/2019			
05/04/2019			
05/05/2019			
05/06/2019	94	25	73%
05/07/2019			
05/08/2019	120	15	88%
05/09/2019			
05/10/2019			
05/11/2019			
05/12/2019			
05/13/2019	79	17	78%
05/14/2019			
05/15/2019	117	11	91%
05/16/2019			
05/17/2019			
05/18/2019			
05/19/2019			
05/20/2019	132	NR	ND
05/21/2019			
05/22/2019	152	7	95%
05/23/2019			
05/24/2019			
05/25/2019			
05/26/2019			
05/27/2019	139	5	96%
05/28/2019			
05/29/2019	143	15	90%
05/30/2019			
05/31/2019			
06/01/2019			
AVG	126	13	88%

**DESIGN - 210 MGD**

<b>NEWPCP - MAY 2019</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
05/01/2019	46	99	24	168	219	
05/02/2019	45	94	23	162	200	
05/03/2019	46	97	23	165	225	T
05/04/2019	45	94	22	160	215	T
05/05/2019	49	97	25	171	304	1.06
05/06/2019	100	171	57	328	460	
05/07/2019	49	114	27	190	227	0.14
05/08/2019	70	128	38	235	419	0.46
05/09/2019	45	115	27	187	294	0.02
05/10/2019	49	104	23	176	220	0.01
05/11/2019	48	105	22	175	211	0.15
05/12/2019	67	104	35	206	401	1.02
05/13/2019	91	170	51	311	454	0.93
05/14/2019	98	179	56	334	457	0.01
05/15/2019	58	132	31	221	296	T
05/16/2019	56	124	32	212	266	T
05/17/2019	54	123	29	206	254	0.07
05/18/2019	58	123	30	211	329	
05/19/2019	53	116	28	197	256	
05/20/2019	53	114	31	199	278	
05/21/2019	52	109	27	189	272	
05/22/2019	51	109	24	183	229	
05/23/2019	50	106	25	181	227	0.50
05/24/2019	70	111	33	213	372	0.06
05/25/2019	49	100	26	174	227	0.03
05/26/2019	49	98	24	171	253	0.12
05/27/2019	49	99	25	173	217	
05/28/2019	49	100	27	176	224	0.35
05/29/2019	72	125	37	235	439	0.20
05/30/2019	71	119	41	230	485	0.09
05/31/2019	73	151	40	264	444	
<b>TOTAL</b>	<b>1,811</b>	<b>3,630</b>	<b>844</b>	<b>5,674</b>		<b>5.22</b>
<b>AVG</b>	<b>58</b>	<b>117</b>	<b>30</b>	<b>203</b>		
			<b>MIN</b>	<b>160</b>	<b>200</b>	
			<b>MAX</b>	<b>334</b>	<b>460</b>	

\* ADJUSTED FOR RECYCLE.



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
**Northeast Water Pollution Control Plant**  
**NPDES SUMMARY FOR THE MONTH OF MAY 2018**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
05/01/2019	0.498	1.980	5.26	7.80	0.476
05/08/2019	0.485	2.150	4.29	6.50	0.499
05/15/2019	0.490	2.510	3.48	4.49	0.446
05/22/2019	0.437	2.590	4.46	5.78	0.780
05/29/2019	0.391	1.590	4.79	6.51	0.693
<b>AVG</b>	0.460	2.164	4.46	6.22	0.579
<b>MAX</b>	0.498	2.590	5.26	7.80	0.780

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
05/08/2019	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	05/08/2019
Copper	0.0009
Iron	0.3330
Iron Dissolved	0.0790
Lead	< 0.0030
Zinc	0.0360

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	05/07/2019
1,2-Dichloroethane	< 0.0005
Chloroform	0.0029
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
MAY 2019	Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP	Sludge Processed by Biosolids Recycle Center / Synagro	DT	Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP	Sludge Processed by Biosolids Recycle Center / Synagro	DT
	MGD	MGD		MGD	MGD	
05/01/2019	0.881	0.795	86	1.278	1.575	193.5
05/02/2019	0.855	0.858	83	1.726	1.697	177.6
05/03/2019	1.714	1.784	163	1.303	1.113	108.5
05/04/2019	0.838	0.719	74	1.030	1.208	111.3
05/05/2019	0.839	0.967	89	1.949	1.861	167.1
05/06/2019	0.859	0.850	78	1.369	1.633	146.6
05/07/2019	0.854	0.835	75	1.476	1.367	99.2
05/08/2019	0.809	0.858	78	1.464	1.140	87.8
05/09/2019	0.823	0.553	51	0.810	1.069	86.8
05/10/2019	-	0.233	22	1.178	1.023	92.9
05/11/2019	0.889	0.636	58	1.958	2.526	186.8
05/12/2019	0.853	0.745	59	1.402	1.369	124.6
05/13/2019	0.895	1.210	80	0.618	0.020	1.1
05/14/2019	-			0.478	0.388	33.1
05/15/2019	-	0.068	7	1.528	1.881	204.3
05/16/2019	0.861	0.608	61	1.386	1.639	131.3
05/17/2019	0.904	1.130	111	2.360	2.098	177.4
05/18/2019	0.843	0.564	46	1.580	1.694	137.3
05/19/2019	-	0.316	29	1.848	1.807	159.3
05/20/2019	0.864	0.713	61	1.818	1.612	156.0
05/21/2019	0.853	0.977	91	1.686	1.655	140.9
05/22/2019	0.883	0.869	82	1.371	1.165	95.4
05/23/2019	0.847	0.809	80	0.598	0.385	34.1
05/24/2019	0.866	0.934	87	1.595	2.186	152.6
05/25/2019	0.850	0.813	74	1.724	1.802	140.1
05/26/2019	0.856	0.901	79	0.959	0.435	32.5
05/27/2019	-	(0.000)	-	1.715	1.968	164.8
05/28/2019	0.755	1.130	115	1.356	1.682	120.9
05/29/2019	0.791	0.791	83	1.833	1.690	164.4
05/30/2019	0.753	0.515	51	1.525	1.324	131.6
05/31/2019	0.761	1.009	94	1.325	1.170	125.9
<b>TOTAL</b>	<b>22.794</b>	<b>23.193</b>	<b>2,148</b>	<b>44.246</b>	<b>44.184</b>	<b>3,886</b>
<b>AVERAGE</b>	<b>0.735</b>	<b>0.773</b>	<b>72</b>	<b>1.427</b>	<b>1.425</b>	<b>125</b>

NE Daily Composite

Report Date: 06/21/2019

WW190501-015

NEOUT

Composite 24h 05/01/2019 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	5/1/2019	10:55	5/21/2019	7:00	13.0	mg/L	2.0	mg/L
CBOD5	SM 5210 B	5/1/2019	11:15	5/6/2019	7:50	4.0	mg/L	2.0	mg/L
Nitrite	EPA 300.0 rev 2.1			5/1/2019	21:01	0.498	mg/L as N	0.05	mg/L as N
Solids Suspended Total	SM 2540 D	5/1/2019	8:53	5/1/2019	10:52	2.0	mg/L	2.5	mg/L

Data Qualifiers:

CBOD20	CBOD GGA recovery is 252 mg/L, acceptance limits are 168 to 229 mg/L.
CBOD5	CBOD GGA recovery is 252 mg/L, acceptance limits are 168 to 229 mg/L.
Nitrite	Laboratory Fortified Matrix (LFM) recovery is 114.3%. Acceptance limits are 90 to 110%.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 137.5%. Acceptance limits are 90 to 110%.

WW190502-013

NEOUT

Composite 24h 05/02/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/2/2019	10:42	5/7/2019	10:09	3.0	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 243 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190503-013

NEOUT

Composite 24h 05/03/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/3/2019	11:00	5/8/2019	8:00	5.0	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	5/3/2019	7:25	5/3/2019	9:26	2.0	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 251 mg/L, acceptance limits are 168 to 229 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 125%. Acceptance limits are 90 to 110%.

WW190504-013

NEOUT

Composite 24h 05/04/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/4/2019	9:40	5/9/2019	6:30	3.0	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 253 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190505-013

NEOUT

Composite 24h 05/05/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/5/2019	12:40	5/10/2019	7:50	4.0	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 242 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190506-015

NEOUT

Composite 24h 05/06/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	5/6/2019	11:45	5/26/2019	8:47	33.0	mg/L	2.0	mg/L
CBOD5	SM 5210 B	5/6/2019	12:05	5/11/2019	8:20	9.0	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.30 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW190507-016

NEOUT

Composite 24h 05/07/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/7/2019	12:35	5/12/2019	6:55	4.0	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	CBOD GGA recovery is 235 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190510-014

NEOUT

Composite 24h 05/10/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/10/2019	12:05	5/15/2019	7:40	4.0	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190511-013

NEOUT

Composite 24h 05/11/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/11/2019	11:25	5/16/2019	7:15	3.0	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	CBOD GGA recovery is 231 mg/L, acceptance limits are 168 to 229 mg/L.
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WW190512-013

NEOUT

Composite 24h 05/12/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/12/2019	9:20	5/17/2019	6:45	7.0	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	CBOD GGA recovery is 231 mg/L, acceptance limits are 168 to 229 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190513-014

NEOUT

Composite 24h 05/13/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	5/13/2019	11:25	6/2/2019	8:15	16.0	mg/L	2.0	mg/L
CBOD5	SM 5210 B	5/13/2019	11:40	5/18/2019	9:12	7.0	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.24, 0.21 and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.24, 0.21, and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW190514-013

NEOUT

Composite 24h 05/14/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/14/2019	12:00	5/19/2019	7:50	9.0	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	5/14/2019	8:04	5/14/2019	10:05	14.0	mg/L	2.5	mg/L

## Data Qualifiers:

CBOD5	CBOD GGA recovery is 232 mg/L, acceptance limits are 168 to 229 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 60%. Acceptance limits are 90 to 110%.

WW190515-010

NEOUT

Composite 24h 05/15/2019 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	5/15/2019	11:15	6/4/2019	6:50	12.0	mg/L	2.0	mg/L
CBOD5	SM 5210 B	5/15/2019	11:30	5/20/2019	7:30	3.0	mg/L	2.0	mg/L
TKN	SM 4500 Norg D	5/23/2019	10:48	5/28/2019	11:59	4.5	mg/L as N	1.0	mg/L as N

## Data Qualifiers:

CBOD20	Laboratory Fortified Blank (LFB) recovery is 119%. Acceptance limits are 85 to 115%. CBOD GGA recovery is 235 mg/L, acceptance limits are 168 to 229 mg/L.
CBOD5	CBOD GGA recovery is 235 mg/L, acceptance limits are 168 to 229 mg/L.
TKN	Laboratory Fortified Matrix (LFM) recovery is 113.8%. Acceptance limits are 90 to 110%.

WW190516-013

NEOUT

Composite 24h 05/16/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/16/2019	11:25	5/21/2019	7:00	4.0	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of three blanks was 0.40, 0.36, and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190518-013

NEOUT

Composite 24h 05/18/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/18/2019	13:10	5/23/2019	6:25	6.0	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	CBOD GGA recovery is 244 mg/L, acceptance limits are 168 to 229 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank 0.41 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190521-013

NEOUT

Composite 24h 05/21/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/21/2019	9:55	5/26/2019	8:47	4.0	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.32, 0.27, 0.25 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190522-015

NEOUT

Composite 24h 05/22/2019 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Nitrate	EPA 300.0 rev 2.1			5/22/2019	15:50	2.59	mg/L as N	0.05	mg/L as N
TKN	SM 4500 Norg D	5/30/2019	10:47	6/3/2019	10:02	5.8	mg/L as N	1.0	mg/L as N

Data Qualifiers:

Nitrate	Laboratory Fortified Matrix (LFM) recovery is 89%. Acceptance limits are 90 to 110%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 85.0%. Acceptance limits are 90 to 110%.

WW190523-013

NEOUT

Composite 24h 05/23/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/23/2019	10:50	5/28/2019	7:15	3.0	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	5/23/2019	7:55	5/23/2019	9:57	3.0	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 122%. Acceptance limits are 85 to 115%. CBOD GGA recovery is 242 mg/L, acceptance limits are 168 to 229 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Standard (LCS) recovery is 128%. Acceptance limits are 90 to 110%.

WW190524-013

NEOUT

Composite 24h 05/24/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/24/2019	9:45	5/29/2019	6:40	6.0	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%. CBOD GGA recovery is 232 mg/L, acceptance limits are 168 to 229 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.29, 0.25, 0.25, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190525-013

NEOUT

Composite 24h 05/25/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/25/2019	11:05	5/30/2019	7:45	4.0	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 121%. Acceptance limits are 85 to 115%. CBOD GGA recovery is 239 mg/L, acceptance limits are 168 to 229 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of one blank was 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190526-013

NEOUT

Composite 24h 05/26/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/26/2019	11:26	5/31/2019	7:00	4.0	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 117%. Acceptance limits are 85 to 115%. CBOD GGA recovery is 232 mg/L, acceptance limits are 168 to 229 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.35, 0.40, 0.34, and 0.31 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190527-014

NEOUT

Composite 24h 05/27/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/27/2019	11:20	6/1/2019	8:05	5.0	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of four blanks was 0.35, 0.40, 0.34, and 0.31 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190529-015

NEOUT

Composite 24h 05/29/2019 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/29/2019	8:45	6/3/2019	6:20	9.0	mg/L	2.0	mg/L
TKN	SM 4500 Norg D	5/30/2019	10:47	6/3/2019	10:16	6.5	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD5	Laboratory Fortified Blank (LFB) recovery is 118%. Acceptance limits are 85 to 115%. CBOD GGA recovery is 233 mg/L, acceptance limits are 168 to 229 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration of two blanks was 0.21, and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
TKN	Laboratory Fortified Matrix (LFM) recovery is 85.0%. Acceptance limits are 90 to 110%.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name: Aaron Bilter  
 Title: Laboratory Manager  
 Date: 6/21/2019

NE Daily Grab

Report Date: 06/21/2019

WW190520-001

NEOUTN

Grab 05/20/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			5/20/2019	9:34	0.25	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.16 and 0.18 mg/L. Low Continuous Calibration Verification Standard (CCV) recovery is 121%. Acceptance limits are 90 to 110%.
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WW190520-002

NEOUTS

Grab 05/20/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			5/20/2019	9:34	0.23	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.16 and 0.18 mg/L. Low Continuous Calibration Verification Standard (CCV) recovery is 121%. Acceptance limits are 90 to 110%.
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WW190521-001

NEOUTN

Grab 05/21/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			5/21/2019	9:32	0.23	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Low Continuous Calibration Verification Standard (CCV) recovery is 112%. Acceptance limits are 90 to 110%.
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WW190521-002

NEOUTS

Grab 05/21/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			5/21/2019	9:32	0.21	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Low Continuous Calibration Verification Standard (CCV) recovery is 112%. Acceptance limits are 90 to 110%.
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WW190531-001

NEOUTN

Grab 05/31/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			5/31/2019	9:32	0.24	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 27%. The maximum acceptable RPD is 15%. The measured results were 0.22 and 0.17 mg/L.
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WW190531-002

NEOUTS

Grab 05/31/2019 09:15

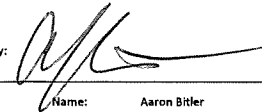
Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			5/31/2019	9:32	0.27	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 27%. The maximum acceptable RPD is 15%. The measured results were 0.22 and 0.17 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
 Signature: \_\_\_\_\_  
 Name: Aaron Bitler  
 Title: Laboratory Manager  
 Date: 6/21/2019



Randy E. Hayman, Water Commissioner

July 27, 2020

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for June 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 06/01/2020-06/30/2020

**Report Due Date:** 07/28/2020

**Submitted By:** Mary Ellen Senss

**Submission Id:** 218631

**Submission Status:** Received

**Submission Type:** Original



# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for June 2020

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - JUNE 2020 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	
Su	05/31/2020	153	188	3	98	3,825	137	3	98	3,825	10
M	06/01/2020	148	170	4	98	4,932	144	3	98	3,699	
T	06/02/2020	146	179	3	98	3,663	133	3	98	3,663	11
W	06/03/2020	151	203	4	98	5,045	167	3	98	3,784	
Th	06/04/2020	189	303	10	97	15,780	181	9	95	14,202	19
F	06/05/2020	206	196	9	95	15,454	139	7	95	12,020	
S	06/06/2020	224	182	7	96	13,065	115	6	95	11,198	
Su	06/07/2020	157	211	3	99	3,927	133	3	98	3,927	15
M	06/08/2020	147	190	4	98	4,909	136	3	98	3,682	
T	06/09/2020	147	140	3	98	3,679	152	3	98	3,679	11
W	06/10/2020	149	186	4	98	4,959	147	3	98	3,719	
Th	06/11/2020	151	297	5	98	6,290	188	5	97	6,290	
F	06/12/2020	126	367	9	98	9,485	181	7	96	7,377	
S	06/13/2020	144	221	5	98	6,011	151	4	97	4,809	
Su	06/14/2020	143	198	6	97	7,147	138	3	98	3,573	14
M	06/15/2020	139	193	4	98	4,621	165	5	97	5,777	
T	06/16/2020	144	202	5	98	5,985	170	8	95	9,576	18
W	06/17/2020	144	253	5	98	6,014	164	5	97	6,014	
Th	06/18/2020	145	154	5	97	6,038	179	6	97	7,246	
F	06/19/2020	179	194	7	96	10,467	196	8	96	11,962	
S	06/20/2020	144	80	6	92	7,199	169	4	98	4,799	
Su	06/21/2020	169	229	9	96	12,648	157	10	94	14,054	18
M	06/22/2020	149	290	7	98	8,682	144	5	97	6,201	
T	06/23/2020	146	253	4	98	4,855	165	4	98	4,855	19
W	06/24/2020	150	311	6	98	7,500	168	5	97	6,250	
Th	06/25/2020	140	203	4	98	4,655	187	5	97	5,819	
F	06/26/2020	137	321	5	98	5,722	207	5	98	5,722	
S	06/27/2020	133	225	4	98	4,453	175	6	97	6,680	
Su	06/28/2020	142	256	3	99	3,547	180	6	97	7,094	
M	06/29/2020	139	290	2	99	2,318	163	8	95	9,271	
T	06/30/2020	145	297	4	99	4,833	191	5	97	6,041	

TOTAL AVERAGE	4,571	6,793				4,884					
	152	226	5	98	6,796	163	5	97	6,766	16	

Wk1	174	203	6	97	8,823	145	5	97	7,484
Wk2	146	230	5	98	5,609	155	4	97	4,783
Wk3	148	182	5	97	6,782	169	6	97	6,993
Wk4	146	262	6	98	6,931	172	6	97	7,083

MAX	224
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CBOD 20 LBS--	20,390
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NPDES/D  
LIMITS

MO	<30	>85	<52,540	<25	>86	<36,430
WK	<45		<78,810	<40		<54,645

CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - JUNE 2020**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN		CHLORINE RESIDUALS		FECAL COLIFORM (MPN / 100mL)
		N	S	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
Su 05/31/2020	153	6.8	6.7	4.9		0.24		5
M 06/01/2020	148	6.7	6.7	5.1		0.26		2
T 06/02/2020	146	6.8	6.8	6.1		0.23		2
W 06/03/2020	151	6.9	6.9	5.9		0.22		3
Th 06/04/2020	189	6.5	6.6	6.1		0.12		23
F 06/05/2020	206	6.6	6.6	5.5		0.14		69
S 06/06/2020	224	6.7	6.6	6.0		0.16		7
Su 06/07/2020	157	6.8	6.8	6.2		0.31		4
M 06/08/2020	147	6.9	6.8	6.1		0.42		3
T 06/09/2020	147	6.8	6.8	6.0		0.29		3
W 06/10/2020	149	6.9	6.8	5.7		0.30		2
Th 06/11/2020	151	6.8	6.8	5.1		0.33		5
F 06/12/2020	126	6.8	6.8	5.0		0.28		5
S 06/13/2020	144	6.8	6.8	5.0		0.28		6
Su 06/14/2020	143	6.9	6.9	4.7		0.26		4
M 06/15/2020	139	6.8	6.8	4.7		0.26		4
T 06/16/2020	144	6.8	6.8	5.5		0.19		5
W 06/17/2020	144	6.9	6.8	5.9		0.23		8
Th 06/18/2020	145	6.8	6.8	5.9		0.18		19
F 06/19/2020	179	6.8	6.8	6.0		0.18		7
S 06/20/2020	144	6.9	6.9	5.7		0.23		8
Su 06/21/2020	169	6.7	6.7	5.9		0.20		7
M 06/22/2020	149	6.9	6.8	6.0		0.31		5
T 06/23/2020	146	6.9	6.8	5.7		0.32		4
W 06/24/2020	150	6.8	6.8	5.7		0.23		7
Th 06/25/2020	140	6.9	6.9	5.8		0.22		5
F 06/26/2020	137	6.9	6.9	5.6		0.25		3
S 06/27/2020	133	6.8	6.8	5.3		0.29		2
Su 06/28/2020	142	6.9	6.9	4.6		0.20		4
M 06/29/2020	139	6.9	6.9	4.2		0.27		4
T 06/30/2020	145	6.8	6.8	4.6		0.20		11
<b>TOTAL</b>	<b>4,571</b>	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>AVG</b>	<b>AVG</b>	<b>MAX</b>	<b>GEOMETRIC</b>
<b>AVERAGE</b>	<b>152</b>	<b>6.5</b>	<b>6.9</b>	<b>4.2</b>	<b>5.5</b>	<b>0.24</b>	<b>0.42</b>	<b>MEAN</b>
								<b>5</b>

Wk1 174  
Wk2 146  
Wk3 148  
Wk4 146

**MAX** 224

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - JUNE 2020  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)	
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)		
06/01/2020	0.30	0.22	0.26	5.1	5.1	5.1	<	1	4	2
06/02/2020	0.26	0.20	0.23	6.0	6.2	6.1		2	2	2
06/03/2020	0.26	0.17	0.22	5.8	5.9	5.9		2	5	3
06/04/2020	0.15	0.09	0.12	6.1	6.1	6.1		22	24	23
06/05/2020	0.15	0.13	0.14	5.5	5.4	5.5		59	80	69
06/06/2020	0.20	0.11	0.16	5.9	6.0	6.0		5	9	7
06/07/2020	0.37	0.24	0.31	6.1	6.2	6.2		4	3	4
06/08/2020	0.49	0.34	0.42	6.0	6.1	6.1		4	2	3
06/09/2020	0.32	0.26	0.29	5.9	6.0	6.0		5	2	3
06/10/2020	0.33	0.26	0.30	5.6	5.8	5.7	<	1	3	2
06/11/2020	0.39	0.26	0.33	5.0	5.2	5.1		3	7	5
06/12/2020	0.33	0.23	0.28	4.7	5.3	5.0		4	6	5
06/13/2020	0.32	0.24	0.28	4.8	5.1	5.0		5	6	6
06/14/2020	0.33	0.19	0.26	4.7	4.7	4.7		3	4	4
06/15/2020	0.31	0.20	0.26	4.6	4.7	4.7		3	4	4
06/16/2020	0.20	0.18	0.19	5.4	5.5	5.5		4	6	5
06/17/2020	0.28	0.18	0.23	5.8	5.9	5.9		6	11	8
06/18/2020	0.23	0.13	0.18	5.9	5.8	5.9		15	26	19
06/19/2020	0.22	0.14	0.18	5.9	6.1	6.0		8	7	7
06/20/2020	0.27	0.18	0.23	5.6	5.8	5.7		6	9	8
06/21/2020	0.22	0.17	0.20	5.8	6.0	5.9		6	9	7
06/22/2020	0.35	0.27	0.31	5.8	6.2	6.0		5	4	5
06/23/2020	0.36	0.28	0.32	5.7	5.6	5.7		4	3	4
06/24/2020	0.29	0.16	0.23	5.7	5.7	5.7		6	7	7
06/25/2020	0.25	0.19	0.22	5.8	5.8	5.8		5	4	5
06/26/2020	0.32	0.18	0.25	5.5	5.7	5.6		2	4	3
06/27/2020	0.36	0.21	0.29	5.0	5.6	5.3		2	2	2
06/28/2020	0.24	0.15	0.20	4.5	4.6	4.6		3	4	4
06/29/2020	0.33	0.20	0.27	4.1	4.3	4.2		4	4	4
06/30/2020	0.26	0.14	0.20	4.6	4.6	4.6		6	21	11
Avg	0.29	0.20	0.24	5.4	5.6	5.5		4	6	5

# PERMIT

## NEWPCP - JUNE 2020

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
06/01/2020			
06/02/2020			
06/03/2020	201	8	96%
06/04/2020			
06/05/2020	140	16	89%
06/06/2020			
06/07/2020			
06/08/2020	151	7	95%
06/09/2020			
06/10/2020	179	11	94%
06/11/2020			
06/12/2020			
06/13/2020			
06/14/2020			
06/15/2020	139	13	91%
06/16/2020			
06/17/2020	188	14	93%
06/18/2020			
06/19/2020			
06/20/2020			
06/21/2020			
06/22/2020	124	9	93%
06/23/2020			
06/24/2020	157	10	94%
06/25/2020			
06/26/2020			
06/27/2020			
06/28/2020			
06/29/2020			
06/30/2020			
AVG	160	11	93%

**DESIGN - 210 MGD**

<b>NEWPCP - JUNE 2020</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
06/01/2020	44	76	29	148	189	
06/02/2020	42	75	29	146	184	
06/03/2020	42	82	28	151	244	0.89
06/04/2020	65	84	41	189	418	0.65
06/05/2020	63	99	43	206	423	0.35
06/06/2020	66	115	43	224	422	T
06/07/2020	45	82	30	157	200	
06/08/2020	43	76	28	147	189	
06/09/2020	42	77	28	147	211	
06/10/2020	42	78	29	149	190	
06/11/2020	43	76	32	151	199	0.62
06/12/2020	55	37	34	126	382	
06/13/2020	42	73	29	144	180	
06/14/2020	41	74	27	143	181	
06/15/2020	42	71	26	139	190	
06/16/2020	41	73	30	144	181	
06/17/2020	41	75	28	144	184	
06/18/2020	42	75	28	145	185	0.11
06/19/2020	70	74	36	179	379	
06/20/2020	42	74	28	144	194	0.55
06/21/2020	60	76	32	169	338	
06/22/2020	45	76	27	149	242	
06/23/2020	42	72	31	146	207	T
06/24/2020	42	75	33	150	192	
06/25/2020	42	68	29	140	179	T
06/26/2020	41	69	28	137	179	
06/27/2020	40	65	28	133	173	0.03
06/28/2020	42	71	29	142	240	0.01
06/29/2020	42	68	29	139	184	
06/30/2020	42	74	29	145	252	T
<b>TOTAL</b>	<b>1,392</b>	<b>2,259</b>	<b>862</b>	<b>4,287</b>		<b>3.21</b>
<b>AVG</b>	<b>46</b>	<b>75</b>	<b>31</b>	<b>152</b>		
			<b>MIN</b>	<b>126</b>	<b>173</b>	
			<b>MAX</b>	<b>224</b>	<b>423</b>	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

**PA0026689**  
 PERMIT NUMBER

**001**  
 OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **06/01/2020**  
 DMR Effective To: **06/30/2020**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2020	06	01	TO	2020	06	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	4.2	5.5	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.5	***	6.9	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	6796	8823	lbs/day	***	5	6	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	5.43	6.45	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.803	.892	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	3.023	3.740	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	6.07	6.87	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.854	1.024	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0023	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	< .050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0090	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.1410	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0540	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Lead, Total (01051)	Sample Measurement	***	***	***	***	< .0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0290	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	152	224	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.24	.42	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	5	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	6766	7484	lbs/day	***	5	6	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	20390	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***		***	***	***		2/week	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
<b>Facility Sampling Point Comments</b>										





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 06/01/2020  
 DMR Effective To: 06/30/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	06	01	FROM	2020	06	30
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	97	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	98	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
BLSNE202006.xlsx	Nutrient Monitoring Form	2020-07-27T13:47:38-04:00	
NECSO 202006.xlsx	CSO Detailed Outfall Report Form	2020-07-27T13:48:01-04:00	
JUNE 2020 SLUDGE DSR.pdf.pdf	Sewage Sludge / Biosolids Production and Disposal Form	2020-07-27T13:51:11-04:00	
E-NPDES NE-202006.xlsx	Daily Effluent Monitoring Form	2020-07-27T13:47:13-04:00	
NE Daily Composite (07-21-2020).pdf	Laboratory Accreditation Form	2020-07-27T13:48:47-04:00	
NE Daily Grab (07-21-2020).pdf	Laboratory Accreditation Form	2020-07-27T13:49:19-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2020	07	27
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JUNE 2020

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
06/03/2020	0.749	3.740	4.79	5.23	0.697
06/10/2020	0.789	3.290	5.29	5.89	1.024
06/17/2020	0.892	2.910	5.18	6.30	0.847
06/24/2020	0.782	2.150	6.45	6.87	0.846
<b>AVG</b>	0.803	3.023	5.43	6.07	0.854
<b>MAX</b>	0.892	3.740	6.45	6.87	1.024

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
06/03/2020	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	06/03/2020
Copper	0.0090
Iron	0.1410
Iron Dissolved	0.0540
Lead	< 0.0030 <
Zinc	0.0290

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	06/02/2020
1,2-Dichloroethane	< 0.0005
Chloroform	0.0023
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
JUNE 2020	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD	
06/01/2020	1.610	1.190	157.57	1.420	1.720	139.0
06/02/2020	-	0.380		1.410	1.210	124.3
06/03/2020	0.800	0.600	78.17	1.410	1.230	134.2
06/04/2020	0.820	0.990	79.25	1.660	1.760	162.0
06/05/2020	0.860	0.910	78.22	1.940	2.030	173.1
06/06/2020	0.790	0.640	79.86	0.940	0.750	87.6
06/07/2020	0.830	0.920	79.39	2.380	2.520	209.2
06/08/2020	0.820	0.850	88.99	1.770	1.720	157.3
06/09/2020	0.860	0.670	99.52	0.570	0.470	57.1
06/10/2020	-	0.210		1.440	1.540	151.0
06/11/2020	-	-		3.120	3.290	309.2
06/12/2020	0.820	0.350	86.50	1.860	1.570	177.6
06/13/2020	1.730	2.180	140.46	1.610	1.910	174.3
06/14/2020	-	0.020		1.620	1.840	161.4
06/15/2020	0.870	0.060	85.57	1.610	1.790	159.6
06/16/2020	0.830	1.270	79.34	1.700	1.310	186.1
06/17/2020	0.180	0.270	15.40	0.220	0.120	19.3
06/18/2020	0.650	0.320	81.31	0.550	0.900	70.9
06/19/2020	0.830	1.330	85.36	2.050	1.270	208.0
06/20/2020	0.850	0.870	83.81	2.280	2.780	195.5
06/21/2020	0.760	0.630	66.95	1.200	1.320	120.7
06/22/2020	0.800	0.840	81.84	1.120	0.800	114.7
06/23/2020	0.790	0.990	88.63	1.530	2.120	135.6
06/24/2020	0.790	0.790	87.05	0.520	-	38.9
06/25/2020	0.770	0.760	79.40	1.310	1.360	108.2
06/26/2020	-	-		2.080	2.170	175.7
06/27/2020	0.810	0.050		1.190	0.840	113.1
06/28/2020	-	0.770		1.630	2.070	147.1
06/29/2020	0.840	0.840	91.15	1.890	2.110	154.9
06/30/2020	-	-		1.770	1.180	152.8
<b>TOTAL</b>	19.710	19.700	1,894	45.800	45.700	4,318
<b>AVERAGE</b>	0.657	0.657	86	1.527	1.523	144

NE Daily Composite

Report: BLS2000721-001  
 Report Date: 07/21/2020

WW200603-015

NEOUT

Composite 24h 06/03/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
TKN	SM 4500 Norg D	6/4/2020	13:20	6/5/2020	12:19	5.23	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 87.3%. Acceptance limits are 90 to 110%.
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WW200615-014

NEOUT

Composite 24h 06/15/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	6/15/2020	9:10	7/5/2020	8:05	14	mg/L	2	mg/L
CBOD5	SM 5210 B	6/15/2020	9:30	6/20/2020	8:58	5	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	6/15/2020	8:20	6/15/2020	10:26	4.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 232.8 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 232.8 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 118%. Acceptance limits are 85 to 115%.

WW200618-013

NEOUT

Composite 24h 06/18/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	6/18/2020	12:25	6/23/2020	8:36	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 234.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW200619-013

NEOUT

Composite 24h 06/19/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	6/19/2020	9:30	6/24/2020	7:30	8	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	6/19/2020	8:17	6/19/2020	10:22	7.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.

WW200620-013

NEOUT

Composite 24h 06/20/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	6/20/2020	7:57	6/20/2020	10:07	6.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 50%. Acceptance limits are 85 to 115%.
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WW200622-014

NEOUT

Composite 24h 06/22/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	6/22/2020	11:35	7/12/2020	7:30	18	mg/L	2	mg/L
CBOD5	SM 5210 B	6/22/2020	11:35	6/27/2020	8:05	5	mg/L	2	mg/L

Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW200628-013

NEOUT

Composite 24h 06/28/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	6/28/2020	9:50	7/3/2020	6:45	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.75 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200629-013

NEOUT

Composite 24h 06/29/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	6/29/2020	9:20	7/4/2020	6:44	8	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401.
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Gary Burlingame

Title:

Laboratory Director

Date:

7/21/2020

NE Daily Grab

Report: BLS20200721-002  
 Report Date: 07/21/2020

WW200601-001

NEOUTN

Grab 06/01/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantitray			6/2/2020	7:53	<1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.708. The maximum acceptable PCV is 0.403. The measured results were 4.1 MPN/100mL and <1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200601-002

NEOUTS

Grab 06/01/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantit			6/2/2020	7:53	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.708. The maximum acceptable PCV is 0.403. The measured results were 4.1 MPN/100mL and <1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200608-002

NEOUTN

Grab 06/08/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantitray			6/9/2020	8:36	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.443. The maximum acceptable PCV is 0.403. The measured results were 8.6 MPN/100mL and 3.1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200608-003

NEOUTS

Grab 06/08/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantit			6/9/2020	8:36	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.443. The maximum acceptable PCV is 0.403. The measured results were 8.6 MPN/100mL and 3.1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200618-001

NEOUTN

Grab 06/18/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantit			6/19/2020	8:11	14.6	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.875. The maximum acceptable PCV is 0.403. The measured results were 7.5 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200618-002

NEOUTS

Grab 06/18/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantit			6/19/2020	8:11	25.9	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.875. The maximum acceptable PCV is 0.403. The measured results were 7.5 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200620-001

NEOUTN

Grab 06/20/2020 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			6/20/2020	9:45	0.27	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.06 and 0.05 mg/L.
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WW200620-002

NEOUTS

Grab 06/20/2020 09:22

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			6/20/2020	9:45	0.18	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.06 and 0.05 mg/L.
-------------------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

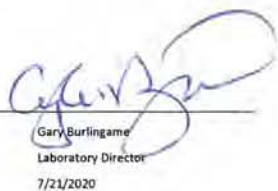
Authorized by:

Signature:

Name:

Title:

Date:



Gary Burlingame  
Laboratory Director  
7/21/2020





Randy E. Hayman, Water Commissioner

July 27, 2020

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for the period of April 2010 to June 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Quarterly

**Report Type:** DMR

**Reporting Period:** 04/01/2020-06/30/2020

**Report Due Date:** 07/28/2020

**Submitted By:** Mary Ellen Senss

**Submission Id:** 218468

**Submission Status:** Received

**Submission Type:** Original



Toxicity (TUA)

Northeast WPCP - Outfall

04/17/2020

Toxicity, Ceriodaphnia acute		1.4
Toxicity, Ceriodaphnia chronic		4
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic	<	1



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Quarterly**  
 DMR Effective From: **04/01/2020**  
 DMR Effective To: **06/30/2020**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM	2020	04	01	TO	2020	06 30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival (61425)	Sample Measurement	***	***	***	***	***	1.4	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Toxicity, Chronic - Ceriodaphnia Survival (61426)	Sample Measurement	***	***	***	***	***	4	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Toxicity, Acute - Pimephales Survival (61427)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	Value is actually "< 1".								
Chlordane (51032)	Sample Measurement	***	***	***	***	< .0004800	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
3,3-Dichlorobenzidine (34631)	Sample Measurement	***	***	***	***	< .0095	***	mg/L	2/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Benzidine (39120)	Sample Measurement	***	***	***	***	< .0048	***	mg/L	3/quarter	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	Grab
4,4-DDT (39300)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
4,4-DDD (39310)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
4,4-DDE (39320)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
alpha-BHC (39336)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
beta-BHC (39338)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
gamma-BHC (Lindane) (39344)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Dieldrin (39380)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Endrin (39390)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Heptachlor (39410)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Toxicity, Chronic - Pimephales Survival (61428)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	Value is actually "< 1".								
<b>Facility Sampling Point Comments</b>										



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)

## ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
NE WET Testing Composite (05-21-2020).pdf	Laboratory Analytical Report	2020-07-27T11:41:53-04:00	
BLSNE202004.xlsx	WET Test Summary Report	2020-07-27T11:42:48-04:00	

## PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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## UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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## OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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## COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

## SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2020	07	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

NE WET Testing Composite

Report: BLS20200521-002  
 Report Date: 05/21/2020

WW200403-013

NEOUT

Composite 24h 04/03/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/3/2020	10:15	4/8/2020	6:25	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200408-015

NEOUT

Composite 24h 04/08/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/8/2020	9:35	4/13/2020	9:00	7	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 230.6 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW200413-006

NEOUT

Composite 24h 04/13/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
1,2,4-Trichlorobenzene <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
2,6-Dinitrotoluene <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
2-Chloronaphthalene <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608.3	4/17/2020	14:41	4/21/2020	1:06	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Acenaphthene <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
bis(2-Chloroisopropyl) ether <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
Di-n-butyl phthalate <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<2.86 <sup>E</sup>	µg/L	2.86	µg/L
Fluorene <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
Hexachloroethane <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<9.52 <sup>E</sup>	µg/L	9.52	µg/L
Pyrene <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<0.952 <sup>E</sup>	µg/L	0.952	µg/L

Data Qualifiers:

1,2,4-Trichlorobenzene	The recovery of LCS is 53%, which is outside the acceptance limits of 57-130%. Results may have greater uncertainty.
2,6-Dinitrotoluene	The recovery of LCS is 65%, which is outside the acceptance limits of 68-137%. Results may have greater uncertainty.
2-Chloronaphthalene	The recovery of LCS is 58%, which is outside the acceptance limits of 65-120%. Results may have greater uncertainty.
4,4'-DDT	The recovery of LCS is 44%, which is outside the acceptance limits of 60-140%. Results may have greater uncertainty.
Acenaphthene	The recovery of LCS is 59%, which is outside the acceptance limits of 60-132%. Results may have greater uncertainty.
bis(2-Chloroisopropyl) ether	The recovery of LCS is 47%, which is outside the acceptance limits of 63-139%. Results may have greater uncertainty.
Di-n-butyl phthalate	The target analyte was detected in the Method, Dilution Water, Instrument or Extraction Blank or Sterility Check at or above the MRL or applicable method, client, or regulatory requirement. Possibility of high bias in the sample result, however it is ND.
Fluorene	The recovery of LCS is 67%, which is outside the acceptance limits of 70-120%. Results may have greater uncertainty.
Hexachloroethane	The recovery of LCS is 49%, which is outside the acceptance limits of 55-120%. Results may have greater uncertainty.
Pyrene	The recovery of LCS is 64%, which is outside the acceptance limits of 70-120%. Results may have greater uncertainty.

WW200415-011

NEOUT

Composite 24h 04/15/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
4,4'-DDD <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
4,4'-DDE <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Aldrin <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
alpha-BHC <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
beta-BHC <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
bis(2-Chloroisopropyl) ether <sup>B,D</sup>	EPA 625.1	4/17/2020	13:42	4/24/2020	10:53	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
CBOD5	SM 5210 B	4/15/2020	12:00	4/20/2020	6:50	3.30	mg/L	2	mg/L
Chlordane <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
delta-BHC <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Dieldrin <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan I <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan II <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan sulfate <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endrin <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L

gamma-BHC <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Heptachlor <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Heptachlor epoxide <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Pyrene <sup>RD</sup>	EPA 625.1	4/17/2020	13:42	4/24/2020	10:53	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
Toxaphene <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.48 <sup>E</sup>	µg/L	0.48	µg/L

Data Qualifiers:

4,4'-DDD	The surrogate recovery of the CCV was below the acceptance criteria.
4,4'-DDE	The surrogate recovery of the CCV was below the acceptance criteria.
4,4'-DDT	The recovery of LCS is 44%, which is outside the acceptance limits of 60-140%. Results may have greater uncertainty. Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The surrogate recovery of the CCV was below the acceptance criteria.
Aldrin	The surrogate recovery of the CCV was below the acceptance criteria.
alpha-BHC	The surrogate recovery of the CCV was below the acceptance criteria.
beta-BHC	The surrogate recovery of the CCV was below the acceptance criteria.
bis(2-Chloroisopropyl) ether	The recovery of LCS is 60%, which is outside the acceptance limits of 63-139%. Results may have greater uncertainty.
CBOD5	Test replicates show >30% difference between highest and lowest values. The Relative Percent Difference between the values is 48%.
Chlordane	The surrogate recovery of the CCV was below the acceptance criteria.
delta-BHC	The surrogate recovery of the CCV was below the acceptance criteria.
Dieldrin	The surrogate recovery of the CCV was below the acceptance criteria.
Endosulfan I	The surrogate recovery of the CCV was below the acceptance criteria.
Endosulfan II	The surrogate recovery of the CCV was below the acceptance criteria.
Endosulfan sulfate	The surrogate recovery of the CCV was below the acceptance criteria.
Endrin	The surrogate recovery of the CCV was below the acceptance criteria.
Endrin aldehyde	The surrogate recovery of the CCV was below the acceptance criteria.
gamma-BHC	The surrogate recovery of the CCV was below the acceptance criteria.
Heptachlor	The surrogate recovery of the CCV was below the acceptance criteria.
Heptachlor epoxide	The surrogate recovery of the CCV was below the acceptance criteria.
Pyrene	The recovery of LCS is 67%, which is outside the acceptance limits of 70-120%. Results may have greater uncertainty.
Toxaphene	The surrogate recovery of the CCV was below the acceptance criteria.

WW200417-006

NEOUT

Composite 24h 04/17/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
4,4'-DDO <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
4,4'-DD <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
4,4'-DDI <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Aldrin <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
alpha-BHC <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Aroclor 1016 <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
Aroclor 1221 <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
Aroclor 1232 <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
Aroclor 1242 <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
Aroclor 1248 <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
Aroclor 1254 <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
Aroclor 1260 <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
beta-BHC <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
bis(2-Chloroisopropyl) ether <sup>RD</sup>	EPA 625.1	4/17/2020	13:42	5/13/2020	21:45	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
bis(2-Ethylhexyl)phthalate <sup>RD</sup>	EPA 625.1	4/17/2020	13:42	5/13/2020	21:45	<2.86 <sup>E</sup>	µg/L	2.86	µg/L
Butyl benzyl phthalate <sup>RD</sup>	EPA 625.1	4/17/2020	13:42	5/13/2020	21:45	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
CBOD5	SM 5210 B	4/17/2020	12:00	4/22/2020	9:10	5.91	mg/L	2	mg/L
Chlordane <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
delta-BHC <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Di-n-octyl phthalate <sup>RD</sup>	EPA 625.1	4/17/2020	13:42	5/13/2020	21:45	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
Dieldrin <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan I <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan II <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan sulfate <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endrin <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endrin aldehyde <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
gamma-BHC <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Heptachlor <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Heptachlor epoxide <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
PCBs Total <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
Pyrene <sup>RD</sup>	EPA 625.1	4/17/2020	13:42	5/13/2020	21:45	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
Toxaphene <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.48 <sup>E</sup>	µg/L	0.48	µg/L

Data Qualifiers:

4,4'-DDD	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
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4,4'-DDE	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
4,4'-DDT	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low. Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The recovery of LCS is 44%, which is outside the acceptance limits of 60-140%. Results may have greater uncertainty.
Aldrin	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
alpha-BHC	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1016	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1221	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1232	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1242	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1248	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1254	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1260	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
beta-BHC	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
bis(2-Chloroisopropyl) ether	The recovery of LCS is 60%, which is outside the acceptance limits of 63-139%. Results may have greater uncertainty.
bis(2-Ethylhexyl) phthalate	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Butyl benzyl phthalate	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
CBOD5	Test replicates show >30% difference between highest and lowest values. The Relative Percent Difference between the values is 31%.
Chlordane	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
delta-BHC	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Di-n-octyl phthalate	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Dieldrin	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endosulfan I	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endosulfan II	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endosulfan sulfate	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endrin	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endrin aldehyde	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
gamma-BHC	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Heptachlor	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Heptachlor epoxide	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
PCBs Total	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Pyrene	The recovery of LCS is 67%, which is outside the acceptance limits of 70-120%. Results may have greater uncertainty.
Toxaphene	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.

WW200422-015

NEOUT

Composite 24h 04/22/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/22/2020	9:30	4/27/2020	8:15	8	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.37 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200423-013

NEOUT

Composite 24h 04/23/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/23/2020	11:20	4/28/2020	8:35	5	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in three blanks was 0.25, 0.26, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200426-013

NEOUT

Composite 24h 04/26/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/26/2020	9:50	5/11/2020	8:32	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200428-013

NEOUT

Composite 24h 04/28/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/28/2020	11:59	5/3/2020	7:40	3	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200430-013

NEOUT

Composite 24h 04/30/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/30/2020	10:15	5/5/2020	7:00	4	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 240.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature:

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

5/21/2020



Randy E. Hayman, Water Commissioner

August 28, 2019

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for July 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 07/01/2019-07/31/2019

**Report Due Date:** 08/28/2019

**Submitted By:** Mary Ellen Senss

**Submission Id:** 164098

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for July 2019

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - JULY 2019 COMPOSITE SAMPLES

	DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS			CBOD <sub>5</sub>				CBOD 20 (mg/L)		
				EFF (mg/L)	SS% REM	SS%** REM	LBS	LBS***	INF* (mg/L)	EFF (mg/L)		CBOD5 %REM	CBOD5** %REM
Su	06/30/2019	180	230	4	98		6,006		127	4	97	6,006	
M	07/01/2019	181	103	3	97		4,536		108	4	96	6,048	
T	07/02/2019	173	198	3	98		4,321		125	3	98	4,321	
W	07/03/2019	194	220	5	98		8,071		139	5	96	8,071	14
Th	07/04/2019	183	157	3	98		4,568		111	4	96	6,091	
F	07/05/2019	176	155	3	98		4,397		119	3	97	4,397	15
S	07/06/2019	183	195	4	98		6,094		103	3	97	4,570	
Su	07/07/2019	224	219	6	97		11,214		104	5	95	9,345	
M	07/08/2019	181	175	3	98		4,527		158	4	97	6,036	12
T	07/09/2019	184	225	3	99		4,601		114	3	97	4,601	
W	07/10/2019	163	196	4	98		5,436		106	3	97	4,077	12
Th	07/11/2019	167	172	3	98		4,183		125	3	98	4,183	
F	07/12/2019	245	198	10	95		20,444		93	7	92	14,311	
S	07/13/2019	211	153	4	97		7,027		85	2	98	3,513	
Su	07/14/2019	182	118	3	97		4,560		83	2	98	3,040	
M	07/15/2019	178	147	3	98		4,451		129	3	98	4,451	7
T	07/16/2019	179	170	2	99		2,988		157	3	98	4,482	
W	07/17/2019	181	216	3	99		4,522		137	2	99	3,015	7
Th	07/18/2019	186	179	4	98		6,190		133	4	97	6,190	
F	07/19/2019	210	155	5	97		8,738		108	4	96	6,991	10
S	07/20/2019	184	135	2	99		3,075		123	2	98	3,075	
Su	07/21/2019	172	166	3	98		4,308		134	3	98	4,308	
M	07/22/2019	179	211	3	99		4,476		121	3	98	4,476	10
T	07/23/2019	236	187	5	97		9,840		103	4	96	7,872	
W	07/24/2019	217	153	4	97		7,233		96	3	97	5,425	8
Th	07/25/2019	217	174	3	98		5,426		105	2	98	3,617	
F	07/26/2019	189	196	2	99		3,154		117	2	98	3,154	
S	07/27/2019	170	180	1	99		1,419		118	2	98	2,838	
Su	07/28/2019	172	143	1	99		1,430		100	3	97	4,291	
M	07/29/2019	172	193	2	99		2,877		121	2	98	2,877	19
T	07/30/2019	167	169	2	99		2,786		100	2	98	2,786	
W	07/31/2019	168	199	1	99		1,398		149	2	99	2,797	10

TOTAL	5,821	5,456							3,624				
AVERAGE	188	176	3	98		5,429			117	3	97	5,008	11

Wk1	181	180	4	98	5,427	119	4	97	5,643
Wk2	196	191	5	98	8,204	112	4	96	6,581
Wk3	186	160	3	98	4,932	124	3	98	4,463
Wk4	197	181	3	98	5,122	114	3	98	4,527

**MAX**      245

CBOD 20 LBS--      17,184

NPDES/D LIMITS	MO	<30	>85	<52,540		<25	>86	<36,430
	WK	<45		<78,810		<40		<54,645

CBOD 20 LBS--      <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - JULY 2019**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
M 07/01/2019	181	6.9	6.9	5.7	0.44	4		
T 07/02/2019	173	6.9	6.9	5.7	0.21	44		
W 07/03/2019	194	6.6	6.6	5.7	0.30	4		
Th 07/04/2019	183	6.8	6.8	5.9	0.25	12		
F 07/05/2019	176	6.7	6.7	5.9	0.31	6		
S 07/06/2019	183	6.9	6.9	5.8	0.28	11		
Su 07/07/2019	224	6.7	6.7	5.8	0.26	17		
M 07/08/2019	181	6.8	6.8	4.3	0.28	51		
T 07/09/2019	184	6.9	6.9	4.5	0.24	21		
W 07/10/2019	163	6.9	6.9	4.6	0.34	7		
Th 07/11/2019	167	7.0	7.0	4.8	0.23	15		
F 07/12/2019	245	6.8	6.8	4.9	0.25	21		
S 07/13/2019	211	6.9	6.9	6.1	0.27	7		
Su 07/14/2019	182	6.9	6.9	6.0	0.39	5		
M 07/15/2019	178	7.0	7.0	5.8	0.34	10		
T 07/16/2019	179	6.9	6.9	6.1	0.23	3		
W 07/17/2019	181	6.9	6.8	6.1	0.26	15		
Th 07/18/2019	186	6.8	6.8	6.4	0.23	12		
F 07/19/2019	210	6.9	6.8	6.0	0.22	5		
S 07/20/2019	184	6.9	6.9	5.7	0.36	6		
Su 07/21/2019	172	6.8	6.8	5.4	0.34	6		
M 07/22/2019	179	6.9	6.8	5.1	0.25	14		
T 07/23/2019	236	6.6	6.6	4.1	0.25	25		
W 07/24/2019	217	6.9	6.9	4.6	0.23	10		
Th 07/25/2019	217	6.9	6.9	4.5	0.25	4		
F 07/26/2019	189	6.8	6.9	4.4	0.22	12		
S 07/27/2019	170	6.9	6.9	4.7	0.21	5		
Su 07/28/2019	172	7.0	6.9	5.5	0.23	4		
M 07/29/2019	172	6.9	6.9	5.6	0.37	4		
T 07/30/2019	167	6.9	6.9	5.5	0.36	5		
W 07/31/2019	168	7.0	6.9	5.6	0.29	2		
TOTAL	5,821	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	188	6.6	7.0	4.1	5.4	0.28	0.44	MEAN
								8

Wk1 181  
Wk2 196  
Wk3 186  
Wk4 197

**MAX** 245

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - JULY 2019  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
07/01/2019	0.45	0.43	0.44	5.6	5.7	5.7	5	3	4
07/02/2019	0.22	0.20	0.21	5.6	5.8	5.7	61	32	44
07/03/2019	0.33	0.27	0.30	5.6	5.8	5.7	6	2	4
07/04/2019	0.26	0.23	0.25	5.8	5.9	5.9	16	8	12
07/05/2019	0.34	0.28	0.31	5.9	5.8	5.9	8	5	6
07/06/2019	0.29	0.26	0.28	5.8	5.8	5.8	12	10	11
07/07/2019	0.23	0.28	0.26	5.6	6.0	5.8	22	13	17
07/08/2019	0.31	0.24	0.28	4.4	4.2	4.3	30	88	51
07/09/2019	0.34	0.14	0.24	4.4	4.5	4.5	17	28	21
07/10/2019	0.35	0.32	0.34	4.6	4.6	4.6	6	8	7
07/11/2019	0.24	0.21	0.23	4.6	4.9	4.8	23	10	15
07/12/2019	0.27	0.22	0.25	4.9	4.8	4.9	26	17	21
07/13/2019	0.35	0.19	0.27	6.1	6.1	6.1	6	9	7
07/14/2019	0.46	0.32	0.39	5.9	6.0	6.0	8	3	5
07/15/2019	0.35	0.33	0.34	5.7	5.9	5.8	9	12	10
07/16/2019	0.25	0.21	0.23	6.1	6.1	6.1	9	1	3
07/17/2019	0.28	0.24	0.26	6.0	6.2	6.1	19	12	15
07/18/2019	0.27	0.19	0.23	6.3	6.4	6.4	13	11	12
07/19/2019	0.29	0.15	0.22	5.9	6.1	6.0	4	5	5
07/20/2019	0.44	0.28	0.36	5.7	5.7	5.7	5	6	6
07/21/2019	0.48	0.20	0.34	5.4	5.4	5.4	4	10	6
07/22/2019	0.25	0.24	0.25	5.1	5.1	5.1	16	13	14
07/23/2019	0.26	0.24	0.25	4.1	4.1	4.1	26	25	25
07/24/2019	0.25	0.20	0.23	4.4	4.8	4.6	15	7	10
07/25/2019	0.28	0.21	0.25	4.5	4.5	4.5	4	3	4
07/26/2019	0.23	0.20	0.22	4.3	4.5	4.4	10	15	12
07/27/2019	0.24	0.18	0.21	4.6	4.8	4.7	4	5	5
07/28/2019	0.28	0.17	0.23	5.3	5.7	5.5	4	4	4
07/29/2019	0.46	0.28	0.37	5.5	5.7	5.6	3	4	4
07/30/2019	0.43	0.28	0.36	5.4	5.5	5.5	5	5	5
07/31/2019	0.35	0.22	0.29	5.6	5.6	5.6	1	3	2
Avg	0.32	0.24	0.28	5.3	5.4	5.4	9	8	8

# PERMIT

## NEWPCP - JULY 2019

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
07/01/2019			
07/02/2019			
07/03/2019	124	7	94%
07/04/2019			
07/05/2019	69	6	91%
07/06/2019			
07/07/2019			
07/08/2019	117	6	95%
07/09/2019			
07/10/2019	115	8	93%
07/11/2019			
07/12/2019			
07/13/2019			
07/14/2019			
07/15/2019	118	8	93%
07/16/2019			
07/17/2019	128	7	95%
07/18/2019			
07/19/2019			
07/20/2019			
07/21/2019			
07/22/2019	124	7	94%
07/23/2019			
07/24/2019	94	7	93%
07/25/2019			
07/26/2019			
07/27/2019			
07/28/2019			
07/29/2019	121	4	97%
07/30/2019			
07/31/2019	149	4	97%
AVG	116	6	94%



**DESIGN - 210 MGD**

<b>NEWPCP - JULY 2019</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
07/01/2019	46	104	31	181	224	
07/02/2019	45	97	30	173	256	0.39
07/03/2019	60	106	28	194	378	0.14
07/04/2019	47	101	34	183	305	T
07/05/2019	46	98	31	176	238	0.33
07/06/2019	45	101	37	183	256	2.27
07/07/2019	68	121	35	224	402	
07/08/2019	45	94	42	181	218	0.1
07/09/2019	50	106	28	184	310	
07/10/2019	44	92	27	163	210	
07/11/2019	44	94	30	167	205	1.36
07/12/2019	75	148	22	245	482	
07/13/2019	45	115	50	211	233	
07/14/2019	44	105	33	182	234	
07/15/2019	45	102	32	178	234	
07/16/2019	44	101	34	179	214	0.05
07/17/2019	49	100	32	181	318	0.48
07/18/2019	64	93	28	186	364	0.02
07/19/2019	63	113	33	210	401	
07/20/2019	46	95	43	184	258	
07/21/2019	43	94	35	172	253	T
07/22/2019	55	89	35	179	340	0.37
07/23/2019	77	122	37	236	423	0.5
07/24/2019	89	77	50	217	407	T
07/25/2019	44	109	63	217	218	
07/26/2019	44	111	34	189	213	
07/27/2019	43	94	33	170	205	
07/28/2019	43	96	32	172	205	
07/29/2019	44	97	32	172	218	0.01
07/30/2019	44	92	32	167	215	
07/31/2019	43	94	31	168	219	0.01
<b>TOTAL</b>	<b>1,587</b>	<b>3,161</b>	<b>979</b>	<b>5,314</b>		<b>6.03</b>
<b>AVG</b>	<b>51</b>	<b>102</b>	<b>35</b>	<b>188</b>		
			<b>MIN</b>	<b>163</b>	<b>205</b>	
			<b>MAX</b>	<b>245</b>	<b>482</b>	

\* ADJUSTED FOR RECYCLE.

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JULY 2019

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
07/03/2019	0.645	2.600	3.68	6.18	0.498
07/10/2019	0.641	2.490	4.08	6.09	0.273
07/15/2019	0.634	2.530	3.55	5.44	0.401
07/17/2019	0.573	1.860	3.46	5.04	0.369
07/19/2019	0.318	1.280	3.15	4.37	0.390
07/24/2019	0.519	1.900	2.64	4.21	0.211
07/31/2019	0.909	2.520	3.63	4.87	0.250
AVG	0.606	2.169	3.46	5.17	0.342
MAX	0.909	2.600	4.08	6.18	0.498

**Cyanide and Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
07/15/2019	< 0.050
07/17/2019	< 0.050
07/19/2019	< 0.050
AVG	< 0.050

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	07/15/2019	07/17/2019	07/19/2019	AVG
Copper	0.0060	0.0060	0.0060	0.0060
Iron	< 0.1000	< 0.1000	< 0.1000	< 0.1000
Iron Dissolved	0.0650	0.0630	0.0630	0.0637
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	0.0270	0.0280	0.0260	0.0270

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	07/14/2019	07/15/2019	07/16/2019	07/17/2019	07/18/2019	07/19/2019	AVG
1,2-Dichloroethane	< 0.0005		< 0.0005		< 0.0005		< 0.0005
3,3-Dichlorobenzidine		< 0.0010		< 0.0010		< 0.0010	< 0.0010
alpha-BHC		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
Benzidine		< 0.0050		< 0.0050		< 0.0050	< 0.0050
Beta-BHC		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
Chlordane		< 0.0005000		< 0.0005000		< 0.0005000	< 0.0005000
Chloroform	0.0037		0.0039		0.0031		0.0035
Chlorodibromomethane	< 0.0005		< 0.0005		< 0.0005		< 0.0005
Dieldrin		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
Endrin		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
Heptachlor		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
p,p'-DDD		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
p,p'-DDE		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
p,p'-DDT		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
Lindane(Gamma-BHC)		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
Tetrachloroethylene	< 0.0005		< 0.0005		< 0.0005		< 0.0005
Trichloroethylene	< 0.0005		< 0.0005		< 0.0005		< 0.0005

Toxicity (TUA)

Northeast WPCP - Outfall

07/19/2019

Toxicity, Ceriodaphnia acute		1.7
Toxicity, Ceriodaphnia chronic		4
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic	<	1

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
JULY 2019	Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP	Sludge Processed by MGD	DT	Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP	Sludge Processed by MGD	DT
	MGD	MGD		MGD	MGD	
07/01/2019	0.851	0.851	100	1.269	1.028	105.1
07/02/2019	0.850	0.620	69	1.113	1.113	120.3
07/03/2019	0.865	0.957	110	1.338	0.970	96.5
07/04/2019	-	0.092	9	1.130	1.538	141.3
07/05/2019	0.868	0.854	101	1.040	0.929	87.3
07/06/2019	0.842	0.870	99	0.781	0.987	101.9
07/07/2019	0.856	0.842	77	0.985	0.941	83.5
07/08/2019	0.800	0.846	100	1.045	0.953	95.2
07/09/2019	-	-	-	1.289	1.387	137.8
07/10/2019	0.851	0.814	87	1.031	0.818	82.4
07/11/2019	0.741	0.819	98	1.149	0.989	109.1
07/12/2019	-	-	-	1.188	1.372	147.3
07/13/2019	0.850	0.814	84	1.287	1.267	142.9
07/14/2019	-	0.037	3	1.210	1.460	107.9
07/15/2019	0.859	0.237	22	1.088	0.747	67.6
07/16/2019	0.858	0.607	77	1.018	1.129	121.6
07/17/2019	0.847	1.491	159	1.223	0.671	73.5
07/18/2019	0.845	0.828	84	0.824	1.374	120.6
07/19/2019	0.866	0.939	130	1.317	1.439	140.7
07/20/2019	0.885	1.059	134	1.048	1.526	166.6
07/21/2019	-	-	-	0.882	0.744	79.9
07/22/2019	0.915	0.307	36	1.269	0.715	76.6
07/23/2019	0.856	0.974	98	1.211	0.816	87.9
07/24/2019	0.860	0.604	66	0.615	0.966	126.1
07/25/2019	0.810	0.774	84	0.382	0.796	94.3
07/26/2019	0.841	1.255	110	0.643	0.505	46.9
07/27/2019	-	0.263	28	1.087	1.389	120.9
07/28/2019	0.857	0.249	26	1.496	1.230	99.1
07/29/2019	0.861	0.851	124	1.161	1.019	130.8
07/30/2019	0.834	1.051	130	1.250	1.492	159.7
07/31/2019	-	0.460	53	1.506	1.414	141.1
<b>TOTAL</b>	20.369	20.364	2,296	33.872	33.723	3,412
<b>AVERAGE</b>	0.657	0.657	74	1.093	1.088	110



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **07/01/2019**  
 DMR Effective To: **07/31/2019**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2019	07	01	TO	2019	07	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	4.1	5.4	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	7.0	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	5429	8204	lbs/day	***	3	5	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	3.46	4.08	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.606	.909	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.169	2.600	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	5.17	6.18	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.342	.498	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	3/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0035	***	mg/L	3/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	<.050	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	3/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0060	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	<.1000	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0637	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0270	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	188	245	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.28	.44	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	3/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	3/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	8	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	5008	6581	lbs/day	***	3	4	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	17184	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***		***	***	***		2/week	24-Hr Composite
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 07/01/2019  
 DMR Effective To: 07/31/2019  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2019	07	01	TO	2019	07	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	97	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	98	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
E-NPDES NE201907.xlsx	Daily Effluent Monitoring Form	2019-08-27T14:41:28-04:00	
NE WET Testing Composite (08-21-2019).pdf	Laboratory Accreditation Form	2019-08-27T14:44:24-04:00	
NE Daily Grab (08-21-2019).pdf	Laboratory Accreditation Form	2019-08-27T14:43:56-04:00	
NE Daily Composite (08-21-2019).pdf	Laboratory Accreditation Form	2019-08-27T14:43:27-04:00	
BLSNE201907.xlsx	Nutrient Monitoring Form	2019-08-27T14:41:59-04:00	
201907SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2019-08-27T14:42:25-04:00	
NECSO 201904.xlsx	CSO Detailed Outfall Report Form	2019-08-27T14:42:53-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2019	8	27
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



NE Daily Composite

WW190705-014

NEOUT

Composite 24h 07/05/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	7/5/2019	8:20	7/10/2019	6:55	6.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in four blanks was 0.26, 0.24, 0.24, and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW190707-013

NEOUT

Composite 24h 07/07/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	7/7/2019	10:25	7/12/2019	7:00	5.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW190708-014

NEOUT

Composite 24h 07/08/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	7/8/2019	9:10	7/13/2019	8:35	4.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in two blank was 0.25 and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW190710-015

NEOUT

Composite 24h 07/10/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	7/10/2019	10:15	7/15/2019	8:05	3.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 135.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.								
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WW190712-013

NEOUT

Composite 24h 07/12/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	7/12/2019	8:40	7/17/2019	6:50	7.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in four blanks was 0.34, 0.24, 0.29, and 0.29 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW190714-013

NEOUT

Composite 24h 07/14/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	7/14/2019	12:00	7/19/2019	6:10	2.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Glucose-Glutamic Acid (GGA) recovery is 165.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.								
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WW190715-006

NEOUT

Composite 24h 07/15/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	7/15/2019	13:50	7/20/2019	8:55	1.64	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	The RPD between the sample and sample duplicate is 44.8 %.The maximum acceptable RPD is <20>%.The measured results were 1.64 mg/L and 1.04 mg /L.GGA recovery is 142.00 mg/L.The acceptance limits are between 167.5 mg/L and 228.5 mg/L.
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WW190716-013

NEOUT

Composite 24h 07/16/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	7/16/2019	10:50	7/21/2019	8:17	3.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in three blanks was 0.23, 0.22, and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Glucose-Glutamic Acid (GGA) recovery is 240.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW190717-011

NEOUT

Composite 24h 07/17/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	7/17/2019	14:05	7/22/2019	9:40	1.39	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	GGA recovery is 157.50 mg/L.The acceptance limits are between 167.5 and 228.5 mg/L.
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WW190720-013

NEOUT

Composite 24h 07/20/2019 06:30

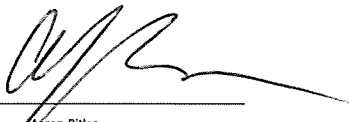
Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	7/20/2019	8:16	7/20/2019	10:17	2.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
 Signature: \_\_\_\_\_  
 Name: Aaron Bitler  
 Title: Laboratory Manager  
 Date: 8/21/2019

NE Daily Grab

Report: NPW20190821-002  
 Report Date: 08/21/2019

WW190703-002

NEOUTS

Grab 07/03/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			7/3/2019	9:30	0.27	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Low Continuous Calibration Verification Standard (CCV) recovery is 112%. Acceptance limits are 90 to 110%.
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WW190711-002

NEOUTS

Grab 07/11/2019 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			7/11/2019	9:34	0.21	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Low Continuous Calibration Verification Standard (CCV) recovery is 112%. Acceptance limits are 90 to 110%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

8/21/2019



Randy E. Hayman, Water Commissioner

September 27, 2019

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for August 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 08/01/2019-08/31/2019

**Report Due Date:** 09/28/2019

**Submitted By:** Mary Ellen Senss

**Submission Id:** 168472

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for August 2019

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks
08/11/2019	4:00 PM	6:00 PM	0%	Y	No pumping of the low level due to PECO Power Outage for 2 hours. Approximately 11.83 MG overflow and entered Outfalls #5 and #7 as reported by phone call on 8/11/2019 and in writing on 8/14/2019.

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **08/01/2019**  
 DMR Effective To: **08/31/2019**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2019	08	01	TO	2019	08	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	4.3	5.3	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.7	***	7.1	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	3929	4247	lbs/day	***	3	3	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	3.41	3.92	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	1.008	1.170	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
	<b>Facility Parameter Comments</b>	Daily max was revised from original submission.								
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.243	2.660	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	4.87	5.31	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.306	.403	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0043	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	<.050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0060	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.1220	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0600	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0220	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	176	275	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.26	.54	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	7	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	4874	5688	lbs/day	***	3	4	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	17713	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 08/01/2019  
 DMR Effective To: 08/31/2019  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	08	01	TO	2019	08	31

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	97	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	98	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
NE Daily Composite (09-26-2019).pdf	Laboratory Accreditation Form	2019-09-27T15:37:12-04:00	
NE Daily Grab (09-23-2019).pdf	Laboratory Accreditation Form	2019-09-27T15:38:14-04:00	
201908SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2019-09-27T15:32:26-04:00	
NE Daily Composite (09-23-2019).pdf	Laboratory Accreditation Form	2019-09-27T15:36:02-04:00	
BLSNE201908.xlsx	Daily Effluent Monitoring Form	2019-09-27T15:33:22-04:00	
NECSO 201908.xlsx	CSO Detailed Outfall Report Form	2019-09-27T15:34:49-04:00	
E-NPDES NE201908.xlsx	Daily Effluent Monitoring Form	2019-09-27T15:34:10-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There was an influent overflow occurrence on the 11th of the month due to a PECO power outage for 2 hours starting at 4:00PM of approximately 11.63 MG. This submission includes a revision to the Nitrite value due to data entry error.	MARY ELLEN SENSS	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2019	10	2
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

# PERMIT NEWPCP - AUGUST 2019 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	
Th	08/01/2019	245	209	5	98	10,215	112	5	96	10,215	
F	08/02/2019	186	135	2	99	3,108	86	2	98	3,108	
S	08/03/2019	169	135	2	99	2,822	100	5	95	7,054	
Su	08/04/2019	170	180	1	99	1,415	117	2	98	2,830	
M	08/05/2019	168	146	2	99	2,800	114	4	96	5,600	16
T	08/06/2019	164	197	2	99	2,728	144	2	99	2,728	
W	08/07/2019	176	233	2	99	2,935	143	2	99	2,935	16
Th	08/08/2019	275	143	6	96	13,760	79	4	95	9,174	
F	08/09/2019	199	111	2	98	3,313	102	3	97	4,969	
S	08/10/2019	167	164	2	99	2,780	125	2	98	2,780	
Su	08/11/2019	167	120	2	98	2,791	109	2	98	2,791	
M	08/12/2019	157	224	3	99	3,929	135	8	94	10,476	22
T	08/13/2019	163	207	4	98	5,423	122	5	96	6,778	
W	08/14/2019	163	193	2	99	2,716	118	2	98	2,716	9
Th	08/15/2019	224	208	4	98	7,470	128	3	98	5,603	
F	08/16/2019	171	131	2	98	2,850	120	5	96	7,125	
S	08/17/2019	173	174	2	99	2,886	130	3	98	4,329	
Su	08/18/2019	170	107	3	97	4,253	131	5	96	7,089	
M	08/19/2019	174	196	2	99	2,896	131	2	98	2,896	9
T	08/20/2019	184	193	3	98	4,610	151	4	97	6,146	
W	08/21/2019	160	174	2	99	2,664	127	3	98	3,996	10
Th	08/22/2019	218	206	4	98	7,275	110	3	97	5,456	
F	08/23/2019	180	246	2	99	3,006	134	4	97	6,012	
S	08/24/2019	159	133	2	98	2,647	142	3	98	3,970	
Su	08/25/2019	153	169	2	99	2,548	120	2	98	2,548	
M	08/26/2019	155	127	2	98	2,588	111	3	97	3,882	11
T	08/27/2019	153	191	2	99	2,546	165	3	98	3,819	
W	08/28/2019	155	185	3	98	3,873	147	4	97	5,163	11
Th	08/29/2019	160	202	3	99	4,000	164	2	99	2,666	
F	08/30/2019	151	210	1	100	1,255	155	3	98	3,766	
S	08/31/2019	148	203	3	99	3,696	158	2	99	2,464	

TOTAL	5,453	5,452				3,931					
AVERAGE	176	176	3	98	3,929	127	3	97	4,874	13	

Wk1	188	168	2	98	4,247	118	3	97	4,431
Wk2	174	180	3	98	4,009	123	4	97	5,688
Wk3	178	179	3	98	3,907	132	3	97	5,081
Wk4	153	184	2	99	2,929	146	3	98	3,473

MAX	275
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CBOD 20 LBS--	17,713
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NPDES/D LIMITS	MO	<30	>85	<52,540	<25	>86	<36,430
	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - AUGUST 2019**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
Th 08/01/2019	245	6.9	6.9	5.7	0.21	17		
F 08/02/2019	186	6.7	6.7	5.6	0.37	6		
S 08/03/2019	169	6.9	6.9	5.7	0.27	2		
Su 08/04/2019	170	6.9	6.9	5.6	0.27	4		
M 08/05/2019	168	7.0	7.0	5.3	0.30	6		
T 08/06/2019	164	7.0	6.9	5.2	0.21	16		
W 08/07/2019	176	6.9	6.9	4.4	0.18	56		
Th 08/08/2019	275	6.8	6.8	4.4	0.11	43		
F 08/09/2019	199	7.0	6.9	4.4	0.26	10		
S 08/10/2019	167	7.0	7.0	4.6	0.17	3		
Su 08/11/2019	167	6.9	6.9	5.7	0.32	6		
M 08/12/2019	157	7.1	7.1	5.1	0.54	3		
T 08/13/2019	163	7.0	6.9	5.4	0.20	7		
W 08/14/2019	163	7.0	6.9	5.6	0.29	4		
Th 08/15/2019	224	6.9	6.9	5.7	0.25	5		
F 08/16/2019	171	6.9	6.9	5.7	0.29	6		
S 08/17/2019	173	7.0	7.0	5.9	0.30	3		
Su 08/18/2019	170	7.0	6.9	5.6	0.27	8		
M 08/19/2019	174	7.0	7.0	5.5	0.28	7		
T 08/20/2019	184	6.9	6.8	5.6	0.24	3		
W 08/21/2019	160	6.9	6.9	5.3	0.28	24		
Th 08/22/2019	218	6.8	6.8	5.5	0.18	17		
F 08/23/2019	180	6.9	6.9	5.2	0.25	4		
S 08/24/2019	159	7.0	7.0	5.1	0.24	5		
Su 08/25/2019	153	6.8	6.8	5.0	0.28	5		
M 08/26/2019	155	7.0	7.0	4.3	0.29	6		
T 08/27/2019	153	7.0	6.9	5.4	0.22	6		
W 08/28/2019	155	7.0	6.9	5.7	0.30	13		
Th 08/29/2019	160	7.0	7.0	5.8	0.21	11		
F 08/30/2019	151	7.0	6.9	5.9	0.23	5		
S 08/31/2019	148	7.0	7.0	6.0	0.18			
TOTAL	5,453	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	176	6.7	7.1	4.3	5.3	0.26	0.54	MEAN
								7

Wk1 188  
Wk2 174  
Wk3 178  
Wk4 153

**MAX** 275

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - AUGUST 2019  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
08/01/2019	0.24	0.18	0.21	5.6	5.7	5.7	9	34	17
08/02/2019	0.45	0.29	0.37	5.6	5.6	5.6	8	4	6
08/03/2019	0.33	0.20	0.27	5.7	5.7	5.7	5	1	2
08/04/2019	0.34	0.19	0.27	5.5	5.7	5.6	4	3	4
08/05/2019	0.38	0.22	0.30	5.3	5.3	5.3	5	6	6
08/06/2019	0.25	0.16	0.21	5.1	5.2	5.2	27	10	16
08/07/2019	0.18	0.18	0.18	4.4	4.3	4.4	613	5	56
08/08/2019	0.12	0.10	0.11	4.2	4.6	4.4	8	249	43
08/09/2019	0.27	0.24	0.26	4.3	4.5	4.4	19	5	10
08/10/2019	0.21	0.13	0.17	4.5	4.7	4.6	1	12	3
08/11/2019	0.42	0.22	0.32	5.6	5.7	5.7	8	5	6
08/12/2019	0.56	0.52	0.54	4.9	5.3	5.1	10	1	3
08/13/2019	0.22	0.17	0.20	5.3	5.5	5.4	5	10	7
08/14/2019	0.39	0.19	0.29	5.6	5.6	5.6	4	4	4
08/15/2019	0.32	0.18	0.25	5.6	5.7	5.7	2	11	5
08/16/2019	0.41	0.17	0.29	5.7	5.7	5.7	3	11	6
08/17/2019	0.29	0.31	0.30	5.8	5.9	5.9	9	1	3
08/18/2019	0.36	0.17	0.27	5.5	5.7	5.6	8	7	8
08/19/2019	0.38	0.17	0.28	5.5	5.5	5.5	6	8	7
08/20/2019	0.27	0.20	0.24	5.4	5.7	5.6	1	7	3
08/21/2019	0.35	0.21	0.28	5.2	5.3	5.3	79	7	24
08/22/2019	0.18	0.17	0.18	5.4	5.5	5.5	5	57	17
08/23/2019	0.26	0.23	0.25	5.2	5.2	5.2	5	3	4
08/24/2019	0.30	0.17	0.24	5.0	5.2	5.1	4	7	5
08/25/2019	0.32	0.23	0.28	4.8	5.2	5.0	3	7	5
08/26/2019	0.32	0.26	0.29	4.2	4.3	4.3	12	3	6
08/27/2019	0.26	0.17	0.22	5.2	5.5	5.4	4	10	6
08/28/2019	0.35	0.24	0.30	5.6	5.8	5.7	15	11	13
08/29/2019	0.27	0.14	0.21	5.8	5.8	5.8	9	13	11
08/30/2019	0.28	0.17	0.23	5.8	5.9	5.9	5	5	5
08/31/2019	0.22	0.13	0.18	5.9	6.0	6.0			
Avg	0.31	0.20	0.26	5.3	5.4	5.3	7	7	7

# PERMIT

## NEWPCP - AUGUST 2019

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
08/01/2019			
08/02/2019			
08/03/2019			
08/04/2019			
08/05/2019	117	4	97%
08/06/2019			
08/07/2019	151	6	96%
08/08/2019			
08/09/2019			
08/10/2019			
08/11/2019			
08/12/2019	138	12	91%
08/13/2019			
08/14/2019	123	4	97%
08/15/2019			
08/16/2019			
08/17/2019			
08/18/2019			
08/19/2019	138	5	96%
08/20/2019			
08/21/2019	132	NR	ND
08/22/2019			
08/23/2019			
08/24/2019			
08/25/2019			
08/26/2019	133	6	95%
08/27/2019			
08/28/2019	141	6	96%
08/29/2019			
08/30/2019			
08/31/2019			
AVG	134	6	95%

**DESIGN - 210 MGD**

<b>NEWPCP - AUGUST 2019</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
08/01/2019	68	134	43	245	474	
08/02/2019	45	107	34	186	320	T
08/03/2019	43	97	29	169	218	T
08/04/2019	43	97	30	170	237	
08/05/2019	44	96	28	168	220	
08/06/2019	42	93	28	164	220	0.01
08/07/2019	56	92	28	176	278	1.63
08/08/2019	79	141	54	275	482	T
08/09/2019	54	101	43	199	303	
08/10/2019	45	88	34	167	222	
08/11/2019	47	85	36	167	230	
08/12/2019	41	85	31	157	205	
08/13/2019	45	84	34	163	226	0.14
08/14/2019	45	84	34	163	230	0.42
08/15/2019	71	109	44	224	421	
08/16/2019	44	93	33	171	208	
08/17/2019	44	92	37	173	230	
08/18/2019	44	93	33	170	238	T
08/19/2019	44	93	36	174	249	0.03
08/20/2019	50	89	45	184	356	
08/21/2019	43	89	27	160	210	0.24
08/22/2019	70	108	40	218	402	0.2
08/23/2019	50	98	32	180	328	0.08
08/24/2019	44	89	25	159	207	
08/25/2019	42	87	24	153	186	
08/26/2019	42	91	22	155	209	
08/27/2019	41	86	25	153	197	
08/28/2019	41	86	27	155	206	0.03
08/29/2019	41	89	29	160	208	
08/30/2019	41	85	25	151	181	
08/31/2019	40	83	25	148	180	
<b>TOTAL</b>	<b>1,490</b>	<b>2,945</b>	<b>939</b>	<b>4,995</b>		<b>2.78</b>
<b>AVG</b>	<b>48</b>	<b>95</b>	<b>33</b>	<b>176</b>		
			<b>MIN</b>	<b>153</b>	<b>186</b>	
			<b>MAX</b>	<b>275</b>	<b>482</b>	

\* ADJUSTED FOR RECYCLE.

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
 Northeast Water Pollution Control Plant  
**NPDES SUMMARY FOR THE MONTH OF AUGUST 2019**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
08/07/2019	1.020	2.000	3.42	5.03	0.403
08/14/2019	0.918	2.250	3.17	4.58	0.140
08/21/2019	0.925	2.660	3.13	4.54	0.320
08/28/2019	1.170	2.060	3.92	5.31	0.360
<b>AVG</b>	1.008	2.243	3.41	4.87	0.306
<b>MAX</b>	1.170	2.660	3.92	5.31	0.403

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
08/07/2019	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	08/07/2019
Copper	0.0060
Iron	0.1220
Iron Dissolved	0.0600
Lead	< 0.0030
Zinc	0.0220

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	08/06/2019
1,2-Dichloroethane	< 0.0005
Chloroform	0.0043
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
AUGUST 2019	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
08/01/2019	0.909	0.913	107.8	1.307	1.307	168.1
08/02/2019	0.862	0.826	99.7	1.311	1.133	112.5
08/03/2019	-	0.031	2.6	1.493	1.154	100.4
08/04/2019	0.878	0.878	94.8	1.153	1.593	119.4
08/05/2019	0.854	0.808	93.2	1.181	0.977	97.1
08/06/2019	-	0.083	6.8	1.086	0.902	92.7
08/07/2019	0.914	0.118	12.3	1.713	2.069	160.5
08/08/2019	0.825	1.400	159.7	0.984	0.925	84.5
08/09/2019	0.854	0.913	99.4	1.014	0.855	80.1
08/10/2019	-	0.138	13.9	1.977	1.922	174.5
08/11/2019	0.858	0.813	83.3	1.617	1.796	190.3
08/12/2019	-			1.258	1.107	113.8
08/13/2019	-			1.429	1.721	174.4
08/14/2019	0.862	0.875	94.3	1.431	1.135	129.9
08/15/2019	0.822	0.813	99.1	1.404	1.443	155.2
08/16/2019	0.816	0.560	68.9	1.088	1.181	147.1
08/17/2019	-	0.247	29.9	1.039	1.203	129.2
08/18/2019	0.893	0.798	83.0	1.067	0.967	90.3
08/19/2019	0.859	1.000	106.2	1.069	0.946	82.5
08/20/2019	-			1.309	1.195	94.1
08/21/2019	-	0.005	0.1	0.935	0.721	65.4
08/22/2019	0.866	0.468	43.1	1.255	1.593	133.6
08/23/2019	0.873	1.249	113.5	0.743	0.137	9.0
08/24/2019	0.838	0.829	93.5	1.294	1.627	147.3
08/25/2019	0.875	0.897	98.8	1.302	1.470	120.6
08/26/2019	0.845	0.763	78.7	2.425	2.294	182.0
08/27/2019	-	0.086	6.8	1.717	1.657	116.8
08/28/2019	0.862	0.172	16.1	0.532	0.445	34.0
08/29/2019	0.842	1.454	167.8	0.842	1.046	114.6
08/30/2019	0.870	0.930	118.6	1.456	1.056	98.9
08/31/2019	0.823	0.827	107.8	1.684	2.039	178.8
<b>TOTAL</b>	18.900	18.894	2,099.7	40.115	39.616	3,697.6
<b>AVERAGE</b>	0.610	0.675	75	1.294	1.278	119



NE Daily Composite

Report: NPW20190923-001  
 Report Date: 09/23/2019

WW190802-013

NEOUT

Composite 24h 08/02/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/2/2019	10:27	8/7/2019	7:03	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
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WW190806-016

NEOUT

Composite 24h 08/06/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/6/2019	9:25	8/11/2019	8:10	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 250.6 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
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WW190807-016

NEOUT

Composite 24h 08/07/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	8/7/2019	10:06	8/27/2019	6:20	16.0	mg/L	2	mg/L
CBOD5	SM 5210 B	8/7/2019	10:06	8/12/2019	7:20	2.00	mg/L	2	mg/L
Nitrate	EPA 300.0 rev 2.1			8/7/2019	20:47	2.00	mg/L as N	0.25	mg/L as N

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 80.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 80.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
Nitrate	Laboratory Fortified Matrix (LFM) recovery is 89%. Acceptance limits are 90 to 110%.

WW190808-013

NEOUT

Composite 24h 08/08/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/8/2019	11:10	8/13/2019	7:55	4.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
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WW190809-014

NEOUT

Composite 24h 08/09/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/9/2019	8:55	8/14/2019	6:50	3.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190810-013

NEOUT

Composite 24h 08/10/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/10/2019	10:05	8/15/2019	7:00	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
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WW190814-015

NEOUT

Composite 24h 08/14/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Phosphorus <sup>5D</sup>	SW 846 6010D	9/9/2019	16:18	9/10/2019	13:57	0.140 <sup>2</sup>	mg/L	0.1	mg/L

Data Qualifiers:

Phosphorus	This parameter is not included in STLs NELAC Scope of Accreditation and should not be used for regulatory compliance ; however, the analysis has been completed in accordance with STLs NELAC Quality System requirements.
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WW190815-013

NEOUT

Composite 24h 08/15/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/15/2019	8:55	8/20/2019	9:13	3.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 256.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
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WW190819-014

NEOUT

Composite 24h 08/19/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/19/2019	9:25	8/24/2019	6:50	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 245.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
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WW190820-013

NEOUT

Composite 24h 08/20/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/20/2019	11:26	8/25/2019	8:10	4.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 245.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.76 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L
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WW190821-015

NEOUT

Composite 24h 08/21/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Phosphorus <sup>RP</sup>	SW 846 6010D	9/9/2019	16:18	9/10/2019	14:10	0.320 <sup>g</sup>	mg/L	0.1	mg/L

Data Qualifiers:

Phosphorus	This parameter is not included in STLs NELAC Scope of Accreditation and should not be used for regulatory compliance ; however, the analysis has been completed in accordance with STLs NELAC Quality System requirements.
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WW190822-013

NEOUT

Composite 24h 08/22/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/22/2019	9:15	8/27/2019	6:20	3.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in two blanks was 0.23 and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190824-013

NEOUT

Composite 24h 08/24/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/24/2019	6:30	8/29/2019	6:00	3.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 231.8 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.29 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L
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WW190827-013

NEOUT

Composite 24h 08/27/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/27/2019	8:50	9/1/2019	7:59	3.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 236.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in two blanks was 0.37 and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L
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WW190828-015

NEOUT

Composite 24h 08/28/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/28/2019	10:25	9/2/2019	9:05	4.00	mg/L	2	mg/L
Phosphorus <sup>R,D</sup>	SW 846 60100	9/9/2019	16:18	9/10/2019	14:33	0.360 <sup>E</sup>	mg/L	0.1	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 165.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
Phosphorus	This parameter is not included in STLs NELAC Scope of Accreditation and should not be used for regulatory compliance ; however, the analysis has been completed in accordance with STLs NELAC Quality System requirements.

WW190829-013

NEOUT

Composite 24h 08/29/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/29/2019	8:34	9/3/2019	8:24	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190831-013

NEOUT

Composite 24h 08/31/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/31/2019	12:10	9/5/2019	7:15	<2	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in four blanks was 0.31, 0.33, 0.34, and 0.32 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

9/23/2019

NE Daily Composite

Report: NPW20190926-001  
 Report Date: 09/26/2019

WW190802-013

NEOUT

Composite 24h 08/02/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/2/2019	10:27	8/7/2019	7:03	2.00	mg/L		mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW190806-016

NEOUT

Composite 24h 08/06/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/6/2019	9:25	8/11/2019	8:10	2.00	mg/L		mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 250.6 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW190807-016

NEOUT

Composite 24h 08/07/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
BOD5	SM 5210 B	8/7/2019	10:06	8/12/2019	7:20	6.00	mg/L		mg/L
CBOD20	SM 5210 B	8/7/2019	10:06	8/27/2019	6:20	16.0	mg/L		mg/L
CBOD5	SM 5210 B	8/7/2019	10:06	8/12/2019	7:20	2.00	mg/L		mg/L
Nitrate	EPA 300.0 rev 2.1			8/7/2019	20:47	2.00	mg/L as N		mg/L as N

Data Qualifiers:

BOD5	Glucose-Glutamic Acid (GGA) recovery is 241.8 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD20	Glucose-Glutamic Acid (GGA) recovery is 80.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 80.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
Nitrate	Laboratory Fortified Matrix (LFM) recovery is 89%. Acceptance limits are 90 to 110%.

WW190808-013

NEOUT

Composite 24h 08/08/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/8/2019	11:10	8/13/2019	7:55	4.00	mg/L		mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW190809-014

NEOUT

Composite 24h 08/09/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/9/2019	8:55	8/14/2019	6:50	3.00	mg/L		mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190810-013

NEOUT

Composite 24h 08/10/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/10/2019	10:05	8/15/2019	7:00	2.00	mg/L		mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW190812-014

NEOUT

Composite 24h 08/12/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
BOD5	SM 5210 B	8/12/2019	10:34	8/17/2019	8:45	12.0	mg/L		mg/L

## Data Qualifiers:

BOD5	Glucose-Glutamic Acid (GGA) recovery is 245.6 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
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WW190814-015

NEOUT

Composite 24h 08/14/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Phosphorus <sup>8D</sup>	SW 846 6010D	9/9/2019	16:18	9/10/2019	13:57	0.140 <sup>f</sup>	mg/L		mg/L

## Data Qualifiers:

Phosphorus	The laboratory that analyzed the sample was not accredited for phosphorus by SW 846 6010D at the time of analysis. The analysis was completed in accordance with the lab's NELAC Quality System requirements and all QA/QC passed. Re-analysis of this sample by an accredited laboratory is scheduled and results will be transmitted when they are available.
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WW190815-013

NEOUT

Composite 24h 08/15/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/15/2019	8:55	8/20/2019	9:13	3.00	mg/L		mg/L

## Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 256.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
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WW190819-014

NEOUT

Composite 24h 08/19/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
BOD5	SM 5210 B	8/19/2019	9:25	8/24/2019	6:50	5.00	mg/L		mg/L
CBOD5	SM 5210 B	8/19/2019	9:25	8/24/2019	6:50	2.00	mg/L		mg/L

## Data Qualifiers:

BOD5	Glucose-Glutamic Acid (GGA) recovery is 238.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 245.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L

WW190820-013

NEOUT

Composite 24h 08/20/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/20/2019	11:26	8/25/2019	8:10	4.00	mg/L		mg/L

## Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 245.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.76 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190821-015

NEOUT

Composite 24h 08/21/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
BOD5	SM 5210 B	8/21/2019	9:24	8/26/2019	7:45	NR	mg/L		mg/L
Phosphorus <sup>8D</sup>	SW 846 6010D	9/9/2019	16:18	9/10/2019	14:10	0.320 <sup>f</sup>	mg/L		mg/L

## Data Qualifiers:

BOD5	Sample non reportable due to lab error.
Phosphorus	The laboratory that analyzed the sample was not accredited for phosphorus by SW 846 6010D at the time of analysis. The analysis was completed in accordance with the lab's NELAC Quality System requirements and all QA/QC passed. Re-analysis of this sample by an accredited laboratory is scheduled and results will be transmitted when they are available.

WW190822-013

NEOUT

Composite 24h 08/22/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/22/2019	9:15	8/27/2019	6:20	3.00	mg/L		mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in two blanks was 0.23 and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190824-013

NEOUT

Composite 24h 08/24/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/24/2019	6:30	8/29/2019	6:00	3.00	mg/L		mg/L

## Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 231.8 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.29 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190827-013

NEOUT

Composite 24h 08/27/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/27/2019	8:50	9/1/2019	7:59	3.00	mg/L		mg/L

## Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 236.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in two blanks was 0.37 and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190828-015

NEOUT

Composite 24h 08/28/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/28/2019	10:25	9/2/2019	9:05	4.00	mg/L		mg/L
Phosphorus <sup>B,D</sup>	SW 846 6010D	9/9/2019	16:18	9/10/2019	14:33	0.360 <sup>E</sup>	mg/L		mg/L

## Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 165.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
Phosphorus	The laboratory that analyzed the sample was not accredited for phosphorus by SW 846 6010D at the time of analysis. The analysis was completed in accordance with the lab's NELAC Quality System requirements and all QA/QC passed. Re-analysis of this sample by an accredited laboratory is scheduled and results will be transmitted when they are available.

WW190829-013

NEOUT

Composite 24h 08/29/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/29/2019	8:34	9/3/2019	8:24	2.00	mg/L		mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190831-013

NEOUT

Composite 24h 08/31/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/31/2019	12:10	9/5/2019	7:15	<2	mg/L		mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in four blanks was 0.31, 0.33, 0.34, and 0.32 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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## Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

9/26/2019

NE Daily Grab

Report: NPW20190923-002  
 Report Date: 09/23/2019

WW190812-001

NEOUTN

Grab 08/12/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			8/12/2019	9:40	0.56	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Low Continuous Calibration Verification Standard (CCV) recovery is 112%. Acceptance limits are 90 to 110%.
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WW190812-002

NEOUTS

Grab 08/12/2019 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			8/12/2019	9:40	0.52	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Low Continuous Calibration Verification Standard (CCV) recovery is 112%. Acceptance limits are 90 to 110%.
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WW190823-001

NEOUTN

Grab 08/23/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Coli-18/Quant-Tray)	Coli-18 / Quantitray			8/24/2019	7:55	5.2	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Coli-18/Quant-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.976. The maximum acceptable PCV is 0.577. The measured results were 2.0 MPN/100mL and 37.9 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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WW190823-002

NEOUTS

Grab 08/23/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Coli-18/Quant-Tray)	Coli-18 / Quantitray			8/24/2019	7:55	3.1	MPN/100 mL	1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Coli-18/Quant-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.976. The maximum acceptable PCV is 0.577. The measured results were 2.0 MPN/100mL and 37.9 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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WW190829-001

NEOUTN

Grab 08/29/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			8/29/2019	9:32	0.27	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Test replicates show >15% difference between highest and lowest values. The Relative Percent Difference between the values is 18%.
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WW190829-002

NEOUTS

Grab 08/29/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			8/29/2019	9:32	0.14	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Test replicates show >15% difference between highest and lowest values. The Relative Percent Difference between the values is 18%.
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WW190830-001

NEOUTN

Grab 08/30/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			8/30/2019	9:34	0.28	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Low Continuous Calibration Verification Standard (CCV) recovery is 112%. Acceptance limits are 90 to 110%.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			8/30/2019	9:34	0.17	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Low Continuous Calibration Verification Standard (CCV) recovery is 112%. Acceptance limits are 90 to 110%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BL5's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
 Signature: \_\_\_\_\_  
 Name: Aaron Bitler  
 Title: Laboratory Manager  
 Date: 9/23/2019





Randy E. Hayman, Water Commissioner

October 25, 2019

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for September 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 09/01/2019-09/30/2019

**Report Due Date:** 10/28/2019

**Submitted By:** Mary Ellen Senss

**Submission Id:** 172784

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for September 2019

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - SEPTEMBER 2019 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	
Su	09/01/2019	141	263	2	99	2,350	147	2	99	2,350	
M	09/02/2019	144	285	3	99	3,613	138	3	98	3,613	12
T	09/03/2019	166	174	2	99	2,769	145	2	99	2,769	
W	09/04/2019	140	212	3	99	3,501	142	3	98	3,501	10
Th	09/05/2019	149	176	3	98	3,718	161	3	98	3,718	
F	09/06/2019	142	320	2	99	2,366	179	2	99	2,366	
S	09/07/2019	149	270	3	99	3,730	188	3	98	3,730	
Su	09/08/2019	143	209	2	99	2,386	167	3	98	3,579	
M	09/09/2019	144	196	3	98	3,603	147	2	99	2,402	12
T	09/10/2019	140	212	4	98	4,664	177	2	99	2,332	
W	09/11/2019	141	297	3	99	3,529	202	2	99	2,352	11
Th	09/12/2019	142	324	5	98	5,929	197	5	97	5,929	
F	09/13/2019	160	245	3	99	3,999	143	3	98	3,999	
S	09/14/2019	138	240	4	98	4,593	159	3	98	3,445	
Su	09/15/2019	153	167	3	98	3,838	141	3	98	3,838	
M	09/16/2019	141	174	3	98	3,533	144	2	99	2,355	15
T	09/17/2019	144	176	2	99	2,398	151	2	99	2,398	
W	09/18/2019	142	214	2	99	2,368	143	2	99	2,368	10
Th	09/19/2019	139	221	1	100	1,160	157	2	99	2,320	
F	09/20/2019	142	183	2	99	2,364	148	3	98	3,546	
S	09/21/2019	138	205	2	99	2,302	161	2	99	2,302	
Su	09/22/2019	141	165	2	99	2,346	154	2	99	2,346	
M	09/23/2019	145	231	2	99	2,423	161	2	99	2,423	9
T	09/24/2019	142	249	1	100	1,187	138	2	99	2,375	
W	09/25/2019	133	191	1	99	1,111	168	2	99	2,223	12
Th	09/26/2019	144	244	2	99	2,395	207	2	99	2,395	
F	09/27/2019	143	196	2	99	2,387	200	3	98	3,581	
S	09/28/2019	139	266	3	99	3,487	164	4	98	4,649	
Su	09/29/2019	164	233	2	99	2,738	185	2	99	2,738	
M	09/30/2019	141	153	2	99	2,347	196	3	98	3,521	

TOTAL AVERAGE	4,330	6,691	2	99	2,971	4,908	164	3	98	3,049	11
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Wk1	147	243	3	99	3,150	157	3	98	3,150
Wk2	144	246	3	99	4,100	170	3	98	3,434
Wk3	143	192	2	99	2,566	149	2	98	2,732
Wk4	141	220	2	99	2,191	170	2	99	2,856

MAX	166
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CBOD 20 LBS--	13,402
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NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS--	<71,760
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- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - SEPTEMBER 2019**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
Su 09/01/2019	141	7.0	6.9	6.1	0.17	5		
M 09/02/2019	144	7.0	7.0	5.7	0.36	2		
T 09/03/2019	166	6.9	6.8	5.7	0.21	6		
W 09/04/2019	140	7.0	7.0	5.4	0.26	7		
Th 09/05/2019	149	6.9	6.9	5.5	0.25	9		
F 09/06/2019	142	6.9	6.9	4.7	0.35	11		
S 09/07/2019	149	6.9	6.9	4.2	0.18	9		
Su 09/08/2019	143	7.0	6.9	5.0	0.30	3		
M 09/09/2019	144	7.0	7.0	5.3	0.36	6		
T 09/10/2019	140	7.0	7.0	5.6	0.31	4		
W 09/11/2019	141	7.0	7.0	5.7	0.25	6		
Th 09/12/2019	142	6.9	6.9	5.6	0.30	7		
F 09/13/2019	160	6.9	6.8	5.9	0.21	8		
S 09/14/2019	138	7.0	7.0	6.0	0.24	3		
Su 09/15/2019	153	7.0	6.9	5.7	0.30	5		
M 09/16/2019	141	6.9	6.9	5.8	0.29	3		
T 09/17/2019	144	6.8	6.8	6.2	0.20	7		
W 09/18/2019	142	7.0	6.9	6.2	0.31	1		
Th 09/19/2019	139	7.1	7.0	5.9	0.24	6		
F 09/20/2019	142	7.0	6.9	5.7	0.30	4		
S 09/21/2019	138	6.9	6.9	5.9	0.21	2		
Su 09/22/2019	141	7.0	6.9	5.2	0.27	1		
M 09/23/2019	145	7.0	6.9	4.4	0.35	2		
T 09/24/2019	142	6.6	6.7	5.7	0.21	2		
W 09/25/2019	133	7.0	6.9	5.8	0.24	2		
Th 09/26/2019	144	7.0	6.9	5.9	0.22	3		
F 09/27/2019	143	7.0	6.9	6.0	0.26	2		
S 09/28/2019	139	7.0	7.0	6.0	0.17	2		
Su 09/29/2019	164	6.8	6.8	6.1	0.30	7		
M 09/30/2019	141	7.0	6.9	6.1	0.40	2		
TOTAL AVERAGE	4,330 144	MIN 6.6	MAX 7.1	MIN 4.2	AVG 5.6	AVG 0.26	MAX 0.40	GEOMETRIC MEAN 4

Wk1 147  
Wk2 144  
Wk3 143  
Wk4 141

**MAX** 166

EFFLUENT  
NPDES/D  
LIMITS  
MIN MAX  
6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - SEPTEMBER 2019  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
09/01/2019	0.22	0.12	0.17	6.0	6.2	6.1	3	10	5
09/02/2019	0.44	0.27	0.36	5.6	5.8	5.7	1	3	2
09/03/2019	0.27	0.15	0.21	5.6	5.7	5.7	5	6	6
09/04/2019	0.34	0.18	0.26	5.4	5.4	5.4	3	18	7
09/05/2019	0.32	0.17	0.25	5.4	5.6	5.5	5	17	9
09/06/2019	0.46	0.24	0.35	4.7	4.7	4.7	12	10	11
09/07/2019	0.24	0.11	0.18	4.1	4.3	4.2	6	14	9
09/08/2019	0.39	0.21	0.30	4.8	5.1	5.0	2	5	3
09/09/2019	0.40	0.31	0.36	5.3	5.3	5.3	6	5	6
09/10/2019	0.35	0.26	0.31	5.5	5.7	5.6	3	6	4
09/11/2019	0.27	0.23	0.25	5.7	5.7	5.7	5	7	6
09/12/2019	0.34	0.25	0.30	5.5	5.7	5.6	8	5	7
09/13/2019	0.20	0.21	0.21	5.8	6.0	5.9	12	5	8
09/14/2019	0.30	0.18	0.24	5.9	6.0	6.0	2	4	3
09/15/2019	0.35	0.24	0.30	5.6	5.7	5.7	3	10	5
09/16/2019	0.34	0.24	0.29	5.7	5.8	5.8	3	3	3
09/17/2019	0.18	0.22	0.20	5.9	6.4	6.2	23	2	7
09/18/2019	0.28	0.34	0.31	6.1	6.3	6.2	1	1	1
09/19/2019	0.26	0.21	0.24	5.8	5.9	5.9	17	2	6
09/20/2019	0.36	0.23	0.30	5.6	5.8	5.7	3	6	4
09/21/2019	0.23	0.18	0.21	5.8	6.0	5.9	2	3	2
09/22/2019	0.34	0.20	0.27	5.1	5.3	5.2	<	1	1
09/23/2019	0.42	0.27	0.35	4.2	4.6	4.4	2	3	2
09/24/2019	0.24	0.18	0.21	5.5	5.8	5.7	<	1	4
09/25/2019	0.30	0.17	0.24	5.6	5.9	5.8	1	5	2
09/26/2019	0.28	0.16	0.22	5.8	6.0	5.9	1	6	3
09/27/2019	0.26	0.25	0.26	5.9	6.0	6.0	4	<	1
09/28/2019	0.21	0.12	0.17	5.9	6.1	6.0	1	3	2
09/29/2019	0.36	0.24	0.30	6.0	6.2	6.1	5	8	7
09/30/2019	0.46	0.33	0.40	5.9	6.3	6.1	2	2	2
Avg	0.31	0.22	0.26	5.5	5.7	5.6	3	5	4

# PERMIT

## NEWPCP - SEPTEMBER 2019

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
09/01/2019			
09/02/2019	130	3	98%
09/03/2019			
09/04/2019	166	5	97%
09/05/2019			
09/06/2019			
09/07/2019			
09/08/2019			
09/09/2019	143	6	96%
09/10/2019			
09/11/2019	153	8	95%
09/12/2019			
09/13/2019			
09/14/2019			
09/15/2019			
09/16/2019	149	7	95%
09/17/2019			
09/18/2019	136	6	96%
09/19/2019			
09/20/2019			
09/21/2019			
09/22/2019			
09/23/2019	140	7	95%
09/24/2019			
09/25/2019	156	7	96%
09/26/2019			
09/27/2019			
09/28/2019			
09/29/2019			
09/30/2019			
AVG	147	6	96%

**DESIGN - 210 MGD**

<b>NEWPCP - SEPTEMBER 2019</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
09/01/2019	41	79	22	141	217	
09/02/2019	40	83	22	144	411	0.24
09/03/2019	52	79	35	166	189	
09/04/2019	40	79	20	140	336	0.19
09/05/2019	43	83	23	149	178	
09/06/2019	40	81	22	142	267	0.07
09/07/2019	44	82	22	149	191	
09/08/2019	40	79	24	143	197	
09/09/2019	40	82	22	144	183	
09/10/2019	39	79	22	140	192	
09/11/2019	39	80	22	141	184	0.06
09/12/2019	39	78	25	142	412	0.05
09/13/2019	58	72	30	160	182	
09/14/2019	38	75	25	138	337	0.08
09/15/2019	44	80	29	153	183	0.06
09/16/2019	40	77	24	141	181	
09/17/2019	38	82	24	144	181	
09/18/2019	38	80	24	142	174	
09/19/2019	37	80	22	139	178	
09/20/2019	38	81	23	142	170	
09/21/2019	38	79	21	138	179	
09/22/2019	39	79	22	141	201	
09/23/2019	40	81	24	145	248	0.24
09/24/2019	39	80	23	142	202	
09/25/2019	39	75	20	133	202	
09/26/2019	38	85	20	144	196	0.01
09/27/2019	39	84	21	143	175	
09/28/2019	38	80	21	139	408	0.16
09/29/2019	50	86	28	164	182	
09/30/2019	38	80	22	141	175	
<b>TOTAL</b>	<b>1,228</b>	<b>2,400</b>	<b>652</b>	<b>4,025</b>		<b>1.16</b>
<b>AVG</b>	<b>41</b>	<b>80</b>	<b>23</b>	<b>144</b>		
			<b>MIN</b>	<b>133</b>	<b>170</b>	
			<b>MAX</b>	<b>166</b>	<b>412</b>	

\* ADJUSTED FOR RECYCLE.

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF SEPTEMBER 2019

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
09/04/2019	1.310	2.680	3.41	4.89	0.317
09/11/2019	1.220	2.420	4.89	6.68	0.518
09/18/2019	1.320	2.770	4.50	5.65	0.421
09/25/2019	1.280	3.470	3.57	4.81	0.318
<b>AVG</b>	1.283	2.835	4.09	5.51	0.394
<b>MAX</b>	1.320	3.470	4.89	6.68	0.518

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
09/04/2019	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	09/04/2019
Copper	0.0070
Iron	0.1720
Iron Dissolved	0.0550
Lead	< 0.0030
Zinc	0.0260

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	09/03/2019
1,2-Dichloroethane	< 0.0005
Chloroform	0.0024
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005



**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
SEPT 2019	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	MGD	MGD		MGD	MGD	
	Biosolids Recycle Center / Synagro From NEWPCP			Biosolids Recycle Center / Synagro From SWWPCP		
09/01/2019	0.000	0.000	0.00	1.222	1.446	107.1
09/02/2019	0.000	0.000	0.00	1.273	1.268	104.2
09/03/2019	0.890	0.631	45.5	1.389	1.321	89.6
09/04/2019	0.849	1.045	110.0	1.002	0.870	67.1
09/05/2019	0.860	0.084	12.0	1.378	1.219	103.1
09/06/2019	0.820	1.622	243.9	0.192	0.000	0.0
09/07/2019	0.840	0.576	71.9	0.938	1.047	105.5
09/08/2019	0.000	0.256	29.6	2.192	2.469	233.6
09/09/2019	0.818	0.767	83.2	1.737	1.573	152.7
09/10/2019	0.000	0.078	7.5	1.481	1.402	96.0
09/11/2019	0.845	0.658	69.6	1.553	1.667	135.4
09/12/2019	0.839	0.479	52.5	1.323	1.287	101.2
09/13/2019	0.873	1.447	151.1	1.167	1.253	110.3
09/14/2019	0.841	0.829	92.2	1.171	1.175	91.6
09/15/2019	0.000	0.000	0.0	1.169	1.399	110.8
09/16/2019	0.853	0.871	90.1	1.229	1.401	99.4
09/17/2019	0.800	0.728	74.4	1.418	1.057	116.4
09/18/2019	0.859	0.923	103.0	1.263	1.103	93.6
09/19/2019	0.837	0.696	70.5	1.096	1.480	134.2
09/20/2019	0.000	0.123	10.1	1.172	1.193	98.6
09/21/2019	0.866	0.907	92.9	1.406	1.611	135.1
09/22/2019	0.000	0.000	0.0	1.181	0.560	49.3
09/23/2019	0.858	0.669	74.3	1.407	1.644	128.8
09/24/2019	0.866	0.561	61.9	1.489	1.636	115.0
09/25/2019	0.000	0.457	45.4	1.644	1.508	125.7
09/26/2019	0.213	0.049	2.6	1.586	1.626	113.8
09/27/2019	1.482	1.349	149.8	1.318	1.606	131.1
09/28/2019	0.873	0.978	84.7	1.259	1.062	75.2
09/29/2019	0.000	0.154	15.7	1.345	0.930	66.3
09/30/2019	0.866	0.890	95.8	1.335	1.831	142.6
<b>TOTAL</b>	<b>17.850</b>	<b>17.827</b>	<b>1,940.2</b>	<b>39.331</b>	<b>39.644</b>	<b>3,233.4</b>
<b>AVERAGE</b>	<b>0.595</b>	<b>0.594</b>	<b>65</b>	<b>1.311</b>	<b>1.321</b>	<b>108</b>

NE Daily Composite

Report: NPW20191024-001  
 Report Date: 10/24/2019

WW190901-013

NEOUT

Composite 24h 09/01/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/1/2019	10:03	9/6/2019	7:40	2.00	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	9/1/2019	7:39	9/1/2019	9:44	2.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 233.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 75%. Acceptance limits are 85 to 115%.

WW190904-015

NEOUT

Composite 24h 09/04/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/4/2019	8:40	9/9/2019	6:20	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190906-013

NEOUT

Composite 24h 09/06/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/6/2019	10:50	9/11/2019	7:20	3.00	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	9/6/2019	8:20	9/6/2019	10:25	3.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 239.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 83%. Acceptance limits are 85 to 115%.

WW190911-015

NEOUT

Composite 24h 09/11/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	9/11/2019	9:58	10/1/2019	9:12	11.0	mg/L	2	mg/L
CBOD5	SM 5210 B	9/11/2019	9:58	9/16/2019	8:20	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 231.9 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 231.9 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.

WW190912-013

NEOUT

Composite 24h 09/12/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/12/2019	9:05	9/17/2019	6:40	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 235.9 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW190915-014

NEOUT

Composite 24h 09/15/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/15/2019	11:25	9/20/2019	7:25	3.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 236.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW190916-016

NEOUT

Composite 24h 09/16/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	9/16/2019	11:15	10/6/2019	8:25	15.0	mg/L	2	mg/L
CBOD5	SM 5210 B	9/16/2019	11:15	9/21/2019	8:10	3.00	mg/L	2	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 231.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 231.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L

WW190920-014

NEOUT

Composite 24h 09/20/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/20/2019	10:30	9/25/2019	8:30	<2	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW190922-013

NEOUT

Composite 24h 09/22/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/22/2019	9:35	9/27/2019	6:30	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 233.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
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WW190923-014

NEOUT

Composite 24h 09/23/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	9/23/2019	14:05	10/13/2019	10:05	9.00	mg/L	2	mg/L
CBOD5	SM 5210 B	9/23/2019	14:05	9/28/2019	9:21	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 236.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 236.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L

WW190925-015

NEOUT

Composite 24h 09/25/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
TKN	SM 4500 Norg D	9/26/2019	12:30	9/27/2019	11:34	4.81	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 86.8%. Acceptance limits are 90 to 110%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature:

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

10/24/2019

NE Daily Grab

Report: NPW20191024-002  
 Report Date: 10/24/2019

WW190906-002 *NEOUTS* Grab 09/06/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			9/6/2019	9:32	0.24	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.09 and 0.08 mg/L.
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WW190910-002 *NEOUTS* Grab 09/10/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quanti-Tray)	Collert 18/Quantitr			9/11/2019	8:37	6.3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.799. The maximum acceptable PCV is 0.577. The measured results were 6.3 MPN/100mL and 1.0 MPN/100mL. PCV 0.577 was exceeded due to low values in samples.
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WW190912-002 *NEOUTS* Grab 09/12/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quanti-Tray)	Collert 18/Quantitr			9/13/2019	8:49	5.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 1.270. The maximum acceptable PCV is 0.577.
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WW190918-003 *NEOUTS* Grab 09/18/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			9/18/2019	9:24	0.34	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Low Continuous Calibration Verification Standard (CCV) recovery is 112%. Acceptance limits are 90 to 110%.
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WW190926-002 *NEOUTS* Grab 09/26/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quanti-Tray)	Collert 18/Quantitr			9/27/2019	8:00	6.3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.74. The maximum acceptable PCV is 0.577. The measured results were 2.0 MPN/mL and 11.0 MPN/mL. PCV 0.577 was exceeded due to low values in samples.
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- Legend
- A - Results reported on a basis other than as received, e.g. dry weight.
  - B - Tests performed are not covered by BLS's scope of accreditation.
  - C - Results not meeting the requirements of PA 25 § 252.401
  - D - Test performed by a contract laboratory.
  - E - Analytical results from a contract laboratory.

Authorized by:   
 Signature: \_\_\_\_\_  
 Name: Aaron Bitler  
 Title: Laboratory Manager  
 Date: 10/24/2019



Randy E. Hayman, Water Commissioner

October 25, 2019

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for the period of July 2019 to September 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Quarterly

**Report Type:** DMR

**Reporting Period:** 07/01/2019-09/30/2019

**Report Due Date:** 10/28/2019

**Submitted By:** Mary Ellen Senss

**Submission Id:** 172613

**Submission Status:** Received

**Submission Type:** Original

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JULY 2019

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
07/03/2019	0.645	2.600	3.68	6.18	0.498
07/10/2019	0.641	2.490	4.08	6.09	0.273
07/15/2019	0.634	2.530	3.55	5.44	0.401
07/17/2019	0.573	1.860	3.46	5.04	0.369
07/19/2019	0.318	1.280	3.15	4.37	0.390
07/24/2019	0.519	1.900	2.64	4.21	0.211
07/31/2019	0.909	2.520	3.63	4.87	0.250
AVG	0.606	2.169	3.46	5.17	0.342
MAX	0.909	2.600	4.08	6.18	0.498

Cyanide and Phenol Data (mg/L)

Northeast WPCP - Outfall

Date	Phenolics
07/15/2019	< 0.050
07/17/2019	< 0.050
07/19/2019	< 0.050
AVG	< 0.050

Metals Data (mg/L)

Northeast WPCP - Outfall

Date	07/15/2019	07/17/2019	07/19/2019	AVG
Copper	0.0060	0.0060	0.0060	0.0060
Iron	< 0.1000	< 0.1000	< 0.1000	< 0.1000
Iron Dissolved	0.0650	0.0630	0.0630	0.0637
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	0.0270	0.0280	0.0260	0.0270

Organics Data (mg/L)

Northeast WPCP - Outfall

Date	07/14/2019	07/15/2019	07/16/2019	07/17/2019	07/18/2019	07/19/2019	AVG
1,2-Dichloroethane	< 0.0005		< 0.0005		< 0.0005		< 0.0005
3,3-Dichlorobenzidine		< 0.0010		< 0.0010		< 0.0010	< 0.0010
alpha-BHC		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
Benzidine		< 0.0050		< 0.0050		< 0.0050	< 0.0050
Beta-BHC		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
Chlordane		< 0.0005000		< 0.0005000		< 0.0005000	< 0.0005000
Chloroform	0.0037		0.0039		0.0031		0.0035
Chlorodibromomethane	< 0.0005		< 0.0005		< 0.0005		< 0.0005
Dieldrin		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
Endrin		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
Heptachlor		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
p,p'-DDD		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
p,p'-DDE		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
p,p'-DDT		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
Lindane(Gamma-BHC)		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
Tetrachloroethylene	< 0.0005		< 0.0005		< 0.0005		< 0.0005
Trichloroethylene	< 0.0005		< 0.0005		< 0.0005		< 0.0005

Toxicity (TUA)

Northeast WPCP - Outfall

07/19/2019

Toxicity, Ceriodaphnia acute		1.7
Toxicity, Ceriodaphnia chronic		4
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic	<	1

NE WET Testing Composit

Report: NPW20190821-003  
 Report Date: 08/21/2019

WW190715-006

NEOUT

Composite 24h 07/15/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	7/15/2019	13:50	7/20/2019	8:55	1.64	mg/L	2.0	mg/L
Di-n-octyl phthalate <sup>RD</sup>	EPA 625.1	7/17/2019	17:56	7/23/2019	19:35	<1 <sup>f</sup>	µg/L	1	µg/L
N-Nitrosodi-n-propylamine <sup>RD</sup>	EPA 625.1	7/17/2019	17:56	7/23/2019	19:35	<1 <sup>f</sup>	µg/L	1	µg/L

Data Qualifiers

CBOD5	The RPD between the sample and sample duplicate is 44.8 %.The maximum acceptable RPD is <20%.The measured results were 1.64 mg/L and 1.04 mg /L.GGA recovery is 142.00 mg/L.The acceptance limits are between 167.5 mg/L and 228.5 mg/L.
Di-n-octyl phthalate	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
N-Nitrosodi-n-propylamine	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.

WW190717-011

NEOUT

Composite 24h 07/17/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
1,2,4-Trichlorobenzene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
1,2-Diphenylhydrazine <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2,4,6-Trichlorophenol <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2,4-Dichlorophenol <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2,4-Dimethylphenol <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2,4-Dinitrophenol <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<3.00 <sup>f</sup>	µg/L	3.00	µg/L
2,4-Dinitrotoluene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2,6-Dinitrotoluene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2-Chloronaphthalene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2-Chlorophenol <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2-Nitrophenol <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
3,3'-Dichlorobenzidine <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<10.0 <sup>f</sup>	µg/L	10.0	µg/L
4,6-Dinitro-o-cresol <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
4-Bromophenyl phenyl ether <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
4-Chlorophenyl phenyl ether <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
4-Nitrophenol <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Acenaphthene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Acenaphthylene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Anthracene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Benzidine <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<5.00 <sup>f</sup>	µg/L	5.00	µg/L
Benzo(a)anthracene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Benzo(a)pyrene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Benzo(b)fluoranthene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Benzo(ghi)perylene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Benzo(k)fluoranthene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
bis(2-Chloroethoxy)methane <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
bis(2-Chloroethyl) ether <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
bis(2-Chloroisopropyl) ether <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
bis(2-Ethylhexyl) phthalate <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<3.00 <sup>f</sup>	µg/L	3.00	µg/L
Butyl benzyl phthalate <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
CBOD5	SM 5210 B	7/17/2019	14:05	7/22/2019	9:40	1.39	mg/L	2.0	mg/L
Chrysene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Di-n-butyl phthalate <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<3.00 <sup>f</sup>	µg/L	3.00	µg/L
Di-n-octyl phthalate <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Dibenzo(a,h)anthracene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Diethyl phthalate <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Dimethyl phthalate <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Fluoranthene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Fluorene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Hexachlorobenzene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Hexachlorobutadiene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Hexachlorocyclopentadiene <sup>RD</sup>	EPA 625.1	7/23/2019	0:00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L



Hexachloroethane <sup>AD</sup>	EPA 625.1	7/23/2019	0.00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	10.0	µg/L
Indeno(1,2,3-cd)pyrene <sup>AD</sup>	EPA 625.1	7/23/2019	0.00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Isophorone <sup>AD</sup>	EPA 625.1	7/23/2019	0.00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
N-Nitrosodi-n-propylamine <sup>AD</sup>	EPA 625.1	7/23/2019	0.00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
N-Nitrosodimethylamine <sup>AD</sup>	EPA 625.1	7/23/2019	0.00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
N-Nitrosodiphenylamine <sup>AD</sup>	EPA 625.1	7/23/2019	0.00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Naphthalene <sup>AD</sup>	EPA 625.1	7/23/2019	0.00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Nitrobenzene <sup>AD</sup>	EPA 625.1	7/23/2019	0.00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
p-Chloro-m-cresol <sup>AD</sup>	EPA 625.1	7/23/2019	0.00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Pentachlorophenol <sup>AD</sup>	EPA 625.1	7/23/2019	0.00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Phenanthrene <sup>AD</sup>	EPA 625.1	7/23/2019	0.00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Phenol <sup>AD</sup>	EPA 625.1	7/23/2019	0.00	7/24/2019	21:04	<5.00 <sup>f</sup>	µg/L	5.00	µg/L
Pyrene <sup>AD</sup>	EPA 625.1	7/23/2019	0.00	7/24/2019	21:04	<1.00 <sup>f</sup>	µg/L	1.00	µg/L

Data Qualifiers

1,2,4-Trichlorobenzene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
1,2-Diphenylhydrazine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
2,4,6-Trichlorophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
2,4-Dichlorophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
2,4-Dimethylphenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
2,4-Dinitrophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
2,4-Dinitrotoluene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
2,6-Dinitrotoluene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
2-Chloronaphthalene	The recovery of LCS is 62%, which is outside the acceptance limits of 65-120%. Results may have greater uncertainty. The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
2-Chlorophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
2-Nitrophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
3,3'-Dichlorobenzidine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
4,6-Dinitro-o-cresol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
4-Bromophenyl phenyl ether	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
4-Chlorophenyl phenyl ether	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
4-Nitrophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Acenaphthene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Acenaphthylene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Anthracene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Benzidine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Benzo(a)anthracene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Benzo(a)pyrene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Benzo(b)fluoranthene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Benzo(ghi)perylene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Benzo(k)fluoranthene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.

bis(2-Chloroethoxy)methane	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
bis(2-Chloroethyl) ether	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
bis(2-Chloroisopropyl) ether	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
bis(2-Ethylhexyl) phthalate	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Butyl benzyl phthalate	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
CBOD5	GGA recovery is 157.50 mg/L.The acceptance limits are between 167.5 and 228.5 mg/L
Chrysene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Di-n-butyl phthalate	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Di-n-octyl phthalate	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard. The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Dibenzo(a,h)anthracene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Diethyl phthalate	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Dimethyl phthalate	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Fluoranthene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Fluorene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachlorobenzene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachlorobutadiene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachlorocyclopentadiene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachloroethane	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Indeno(1,2,3-cd)pyrene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Isophorone	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
N-Nitrosodi-n-propylamine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
N-Nitrosodimethylamine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
N-Nitrosodiphenylamine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Naphthalene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Nitrobenzene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
p-Chloro-m-cresol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Pentachlorophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Phenanthrene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Phenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Pyrene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 41% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.

WW190719-006

NEOUT

Composite 24h 07/19/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
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1,2,4-Trichlorobenzene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
1,2-Diphenylhydrazine <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
2,4,6-Trichlorophenol <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
2,4-Dichlorophenol <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
2,4-Dimethylphenol <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
2,4-Dinitrophenol <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<3 <sup>t</sup>	µg/L	3	µg/L
2,4-Dinitrotoluene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
2,6-Dinitrotoluene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
2-Chloronaphthalene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
2-Chlorophenol <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
2-Nitrophenol <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
3,3'-Dichlorobenzidine <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<10 <sup>t</sup>	µg/L	10	µg/L
4,6-Dinitro-o-cresol <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
4-Bromophenyl phenyl ether <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
4-Chlorophenyl phenyl ether <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
4-Nitrophenol <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Acenaphthene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Acenaphthylene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Anthracene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Benzidine <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<5 <sup>t</sup>	µg/L	5	µg/L
Benzo(a)anthracene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Benzo(a)pyrene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Benzo(b)fluoranthene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Benzo(ghi)perylene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Benzo(k)fluoranthene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
bis(2-Chloroethoxy)methane <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
bis(2-Chloroethyl) ether <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
bis(2-Chloroisopropyl) ether <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
bis(2-Ethylhexyl) phthalate <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<3 <sup>t</sup>	µg/L	3	µg/L
Butyl benzyl phthalate <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Chrysene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Di-n-butyl phthalate <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<3 <sup>t</sup>	µg/L	3	µg/L
Di-n-octyl phthalate <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Dibenzo(a,h)anthracene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Diethyl phthalate <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Dimethyl phthalate <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Fluoranthene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Fluorene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Hexachlorobenzene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Hexachlorobutadiene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Hexachlorocyclopentadiene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Hexachloroethane <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<10 <sup>t</sup>	µg/L	10	µg/L
Indeno(1,2,3-cd)pyrene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Isophorone <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
N-Nitrosodi-n-propylamine <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
N-Nitrosodimethylamine <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
N-Nitrosodiphenylamine <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Naphthalene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Nitrobenzene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
p-Chloro-m-cresol <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Pentachlorophenol <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Phenanthrene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L
Phenol <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<5 <sup>t</sup>	µg/L	5	µg/L
Pyrene <sup>RD</sup>	EPA 625.1	7/23/2019	14:11	7/24/2019	21:56	<1 <sup>t</sup>	µg/L	1	µg/L

Date Qualifiers

1,2,4-Trichlorobenzene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
1,2-Diphenylhydrazine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
2,4,6-Trichlorophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
2,4-Dichlorophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
2,4-Dimethylphenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
2,4-Dinitrophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.



Hexachlorobenzene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachlorobutadiene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachlorocyclopentadiene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachloroethane	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Indeno(1,2,3-cd)pyrene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Isophorone	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
N-Nitrosodi-n-propylamine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
N-Nitrosodimethylamine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
N-Nitrosodiphenylamine	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Naphthalene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Nitrobenzene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
p-Chloro-m-cresol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Pentachlorophenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Phenanthrene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Phenol	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.
Pyrene	The recoveries of one of the surrogates was outside the acceptance limits. P-Terphenyl-d14 is 43% in the sample, which is outside the acceptance limits of 44-124%. Data may be biased low.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BL5's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature:

Name:

Title:

Date:

Baron Bitler

Laboratory Manager

8/21/2019



Randy E. Hayman, Water Commissioner

November 27, 2019

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for October 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 10/01/2019-10/31/2019

**Report Due Date:** 11/28/2019

**Submitted By:** Mary Ellen Senss

**Submission Id:** 177867

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for October 2019

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - OCTOBER 2019 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	
S	09/29/2019	164	233	2	99	2,738	185	2	99	2,738	
M	09/30/2019	141	153	2	99	2,347	196	3	98	3,521	
T	10/01/2019	138	144	2	99	2,305	193	3	98	3,458	
W	10/02/2019	136	195	1	99	1,132	147	2	99	2,263	12
Th	10/03/2019	125	190	2	99	2,089	138	4	97	4,179	
F	10/04/2019	154	194	3	98	3,841	99	5	95	6,402	14
S	10/05/2019	125	192	2	99	2,084	125	6	95	6,251	
Su	10/06/2019	125	153	2	99	2,082	164	3	98	3,123	
M	10/07/2019	128	201	1	100	1,068	179	2	99	2,136	15
T	10/08/2019	142	218	2	99	2,376	167	4	98	4,752	
W	10/09/2019	123	166	3	98	3,073	134	3	98	3,073	15
Th	10/10/2019	149	218	2	99	2,481	179	3	98	3,721	
F	10/11/2019	136	294	3	99	3,405	165	5	97	5,676	
S	10/12/2019	142	257	3	99	3,550	160	2	99	2,367	
Su	10/13/2019	142	270	2	99	2,363	162	2	99	2,363	
M	10/14/2019	135	222	3	99	3,380	188	2	99	2,254	13
T	10/15/2019	135	160	3	98	3,379	139	2	99	2,253	
W	10/16/2019	133	217	3	99	3,337	196	4	98	4,449	20
Th	10/17/2019	239	205	14	93	27,871	142	8	94	15,926	
F	10/18/2019	144	146	4	97	4,811	135	2	99	2,405	
S	10/19/2019	138	182	1	99	1,150	142	2	99	2,301	
Su	10/20/2019	138	340	3	99	3,453	203	3	99	3,453	
M	10/21/2019	219	154	8	95	14,594	126	8	94	14,594	21
T	10/22/2019	150	197	3	98	3,741	150	3	98	3,741	
W	10/23/2019	240	159	5	97	10,007	126	4	97	8,006	14
Th	10/24/2019	150	168	3	98	3,761	111	3	97	3,761	
F	10/25/2019	141	249	3	99	3,520	160	2	99	2,347	
S	10/26/2019	139	232	2	99	2,318	158	3	98	3,477	
Su	10/27/2019	142	179	1	99	1,181	147	2	99	2,362	
M	10/28/2019	265	180	7	96	15,483	104	5	95	11,059	23
T	10/29/2019	155	147	2	99	2,583	134	2	99	2,583	
W	10/30/2019	157	172	1	99	1,313	123	3	98	3,939	13
Th	10/31/2019	195	196	4	98	6,513	149	3	98	4,885	

TOTAL AVERAGE	4,779	6,199					4,644				
	154	200	3	98	4,653		150	3	98	4,631	16

Wk1	140	186	2	99	2,362	155	4	97	4,116
Wk2	136	222	2	99	2,550	164	3	98	3,401
Wk3	152	200	4	98	6,613	158	3	98	4,565
Wk4	168	214	4	98	5,913	148	4	97	5,625

MAX 265

CBOD 20 LBS-- 23,405

NPDES/D LIMITS MO <30 >85 <52,540 <25 >86 <36,430  
WK <45 <78,810 <40 <54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.



**PERMIT  
NEWPCP - OCTOBER 2019**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
S 09/29/2019	164	6.8	6.8	6.1	0.30	7		
M 09/30/2019	141	7.0	6.9	6.1	0.40	2		
T 10/01/2019	138	7.0	7.0	5.9	0.27	4		
W 10/02/2019	136	6.9	6.9	5.8	0.20	1		
Th 10/03/2019	125	6.9	6.9	5.3	0.18	36		
F 10/04/2019	154	6.9	6.9	5.5	0.16	5		
S 10/05/2019	125	7.0	6.9	5.8	0.17	3		
Su 10/06/2019	125	6.9	6.9	4.6	0.18	7		
M 10/07/2019	128	7.0	7.0	5.1	0.25	6		
T 10/08/2019	142	6.8	6.8	5.9	0.28	6		
W 10/09/2019	123	7.0	7.0	5.8	0.33	1		
Th 10/10/2019	149	6.8	6.8	6.2	0.22	9		
F 10/11/2019	136	6.9	6.9	5.8	0.18	19		
S 10/12/2019	142	7.0	7.0	5.9	0.23	10		
Su 10/13/2019	142	7.0	7.0	6.4	0.31	4		
M 10/14/2019	135	7.0	7.0	6.1	0.29	5		
T 10/15/2019	135	7.0	7.0	6.0	0.29	5		
W 10/16/2019	133	7.0	7.0	6.0	0.30	4		
Th 10/17/2019	239	6.9	6.9	6.1	0.12	15		
F 10/18/2019	144	7.0	6.9	6.2	0.29	4		
S 10/19/2019	138	7.0	7.0	6.3	0.27	3		
Su 10/20/2019	138	7.0	7.0	5.9	0.33	2		
M 10/21/2019	219	6.8	6.7	4.8	0.29	2		
T 10/22/2019	150	6.9	6.9	4.7	0.30	1		
W 10/23/2019	240	6.7	6.7	5.7	0.12	10		
Th 10/24/2019	150	6.9	6.9	5.8	0.37	1		
F 10/25/2019	141	7.0	6.9	6.2	0.36	3		
S 10/26/2019	139	7.0	7.0	6.3	0.26	3		
Su 10/27/2019	142	7.0	7.0	4.5	0.52	8		
M 10/28/2019	265	7.0	6.9	6.1	0.33	9		
T 10/29/2019	155	7.0	6.9	5.9	0.33	3		
W 10/30/2019	157	7.0	6.9	6.2	0.39	1		
Th 10/31/2019	195	6.6	6.6	3.9	0.39	15		
<b>TOTAL</b>	<b>4,779</b>	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>AVG</b>	<b>AVG</b>	<b>MAX</b>	<b>GEOMETRIC</b>
<b>AVERAGE</b>	<b>154</b>	<b>6.6</b>	<b>7.0</b>	<b>3.9</b>	<b>5.7</b>	<b>0.27</b>	<b>0.52</b>	<b>MEAN</b>
								<b>5</b>

Wk1 140  
Wk2 136  
Wk3 152  
Wk4 168

**MAX** 265

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

< 1  
15

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - OCTOBER 2019  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
10/01/2019	0.32	0.21	0.27	5.8	6.0	5.9	3	4	4
10/02/2019	0.28	0.12	0.20	5.7	5.9	5.8	2	1	1
10/03/2019	0.22	0.14	0.18	5.1	5.4	5.3	34	39	36
10/04/2019	0.17	0.15	0.16	5.3	5.6	5.5	2	13	5
10/05/2019	0.22	0.11	0.17	5.5	6.1	5.8	4	2	3
10/06/2019	0.22	0.13	0.18	4.5	4.7	4.6	4	13	7
10/07/2019	0.28	0.21	0.25	4.9	5.3	5.1	3	11	6
10/08/2019	0.32	0.24	0.28	5.8	5.9	5.9	9	4	6
10/09/2019	0.38	0.28	0.33	5.6	5.9	5.8	1	1	1
10/10/2019	0.25	0.18	0.22	5.9	6.5	6.2	5	14	9
10/11/2019	0.22	0.14	0.18	5.6	5.9	5.8	24	14	19
10/12/2019	0.29	0.17	0.23	5.8	6.0	5.9	9	11	10
10/13/2019	0.37	0.24	0.31	6.2	6.5	6.4	3	6	4
10/14/2019	0.35	0.22	0.29	6.0	6.1	6.1	4	5	5
10/15/2019	0.37	0.20	0.29	5.9	6.1	6.0	5	5	5
10/16/2019	0.37	0.23	0.30	6.0	6.0	6.0	3	6	4
10/17/2019	0.13	0.11	0.12	6.0	6.2	6.1	6	37	15
10/18/2019	0.39	0.19	0.29	6.1	6.3	6.2	3	4	4
10/19/2019	0.31	0.22	0.27	6.3	6.3	6.3	2	4	3
10/20/2019	0.39	0.27	0.33	5.8	5.9	5.9	2	3	2
10/21/2019	0.35	0.22	0.29	4.8	4.7	4.8	2	3	2
10/22/2019	0.39	0.20	0.30	4.5	4.9	4.7	1	2	1
10/23/2019	0.17	0.07	0.12	5.5	5.9	5.7	8	13	10
10/24/2019	0.49	0.25	0.37	5.5	6.0	5.8	<	1	1
10/25/2019	0.46	0.25	0.36	6.1	6.2	6.2	5	2	3
10/26/2019	0.30	0.22	0.26	6.2	6.3	6.3	3	3	3
10/27/2019	0.49	0.54	0.52	4.5	4.4	4.5	13	5	8
10/28/2019	0.41	0.24	0.33	6.0	6.2	6.1	10	7	9
10/29/2019	0.35	0.31	0.33	5.8	6.0	5.9	2	4	3
10/30/2019	0.35	0.42	0.39	6.1	6.2	6.2	<	1 <	1 <
10/31/2019	0.35	0.43	0.39	3.9	3.9	3.9	29	8	15
Avg	0.32	0.22	0.27	5.6	5.8	5.7	4	5	5

# PERMIT

## NEWPCP - OCTOBER 2019

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
10/01/2019			
10/02/2019	165	5	97%
10/03/2019			
10/04/2019	174	2	99%
10/05/2019			
10/06/2019			
10/07/2019	160	6	96%
10/08/2019			
10/09/2019	150	6	96%
10/10/2019			
10/11/2019			
10/12/2019			
10/13/2019			
10/14/2019	158	6	96%
10/15/2019			
10/16/2019	175	6	97%
10/17/2019			
10/18/2019			
10/19/2019			
10/20/2019			
10/21/2019	128	14	89%
10/22/2019			
10/23/2019	117	11	91%
10/24/2019			
10/25/2019			
10/26/2019			
10/27/2019			
10/28/2019	123	11	91%
10/29/2019			
10/30/2019	138	6	96%
10/31/2019			
AVG	149	7	95%

**DESIGN - 210 MGD**

<b>NEWPCP - OCTOBER 2019</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
10/01/2019	38	75	25	138	175	
10/02/2019	38	74	24	136	175	
10/03/2019	38	64	24	125	183	0.05
10/04/2019	47	79	27	154	235	0.04
10/05/2019	37	66	22	125	153	
10/06/2019	38	65	22	125	168	
10/07/2019	39	67	22	128	173	T
10/08/2019	43	73	26	142	217	0.02
10/09/2019	34	67	22	123	234	0.1
10/10/2019	46	72	30	149	314	
10/11/2019	37	73	26	136	182	
10/12/2019	37	78	27	142	188	T
10/13/2019	38	78	25	142	220	0.01
10/14/2019	38	76	22	135	181	
10/15/2019	37	75	23	135	170	
10/16/2019	37	73	23	133	167	1.14
10/17/2019	69	125	45	239	483	
10/18/2019	38	80	26	144	177	
10/19/2019	36	76	25	138	183	
10/20/2019	37	74	26	138	189	0.51
10/21/2019	70	106	43	219	402	
10/22/2019	38	83	28	150	210	0.64
10/23/2019	67	126	47	240	453	
10/24/2019	39	81	30	150	210	
10/25/2019	39	73	29	141	243	
10/26/2019	38	71	30	139	242	T
10/27/2019	39	72	30	142	322	0.64
10/28/2019	80	128	57	265	462	
10/29/2019	40	86	29	155	224	0.01
10/30/2019	41	86	30	157	200	0.12
10/31/2019	56	97	42	195	392	0.59
<b>TOTAL</b>	<b>1,350</b>	<b>2,519</b>	<b>808</b>	<b>4,272</b>		<b>3.87</b>
<b>AVG</b>	<b>44</b>	<b>81</b>	<b>29</b>	<b>154</b>		
			<b>MIN</b>	<b>123</b>	<b>153</b>	
			<b>MAX</b>	<b>265</b>	<b>483</b>	

\* ADJUSTED FOR RECYCLE.

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF OCTOBER 2019

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
10/02/2019	1.220	3.020	3.95	5.31	0.240
10/07/2019	1.440	3.060	4.71	5.84	0.430
10/09/2019	1.360	2.690	3.97	5.49	0.660
10/11/2019	1.150	2.890	0.01	4.65	0.244
10/16/2019	1.030	2.660	4.66	5.77	0.540
10/23/2019	0.797	2.300	3.94	4.45	0.383
10/30/2019	0.940	2.680	5.12	6.40	0.643
AVG	1.134	2.757	3.77	5.42	0.449
MAX	1.440	3.060	5.12	6.40	0.660

Cyanide and Phenol Data (mg/L)

Northeast WPCP - Outfall

Date	Phenolics
10/07/2019	0.050
10/09/2019	0.060
10/11/2019	0.070
AVG	0.060

Metals Data (mg/L)

Northeast WPCP - Outfall

Date	10/07/2019	10/09/2019	10/11/2019	AVG
Copper	0.0050	0.0050	0.0050	0.0050
Iron	0.1520	0.1210	0.1480	0.1403
Iron Dissolved	0.0810	0.0870	0.0960	0.0880
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	0.0270	0.0260	0.0240	0.0257

Organics Data (mg/L)

Northeast WPCP - Outfall

Date	10/06/2019	10/07/2019	10/08/2019	10/09/2019	10/10/2019	10/11/2019	AVG
1,2-Dichloroethane	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
3,3-Dichlorobenzidine		< 0.0010		< 0.0010		< 0.0010	< 0.0010
alpha-BHC		< 0.0000200		< 0.0000200		< 0.0001000	< 0.0000467
Benzidine		< 0.0050		< 0.0050		< 0.0050	< 0.0050
Beta-BHC		< 0.0000200		< 0.0000200		< 0.0001000	< 0.0000467
Chlordane		< 0.0005000		< 0.0005000		< 0.0025000	< 0.0011667
Chloroform	0.0010	0.0011	0.0014	0.0013	0.0013	0.0013	0.0012
Chlorodibromomethane	< 0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	< 0.0005
Dieldrin		< 0.0000200		< 0.00002		< 0.0001000	< 0.0000467
Endrin		< 0.0000200		< 0.00002		< 0.0001000	< 0.0000467
Heptachlor		< 0.0000200		< 0.00002		< 0.0001000	< 0.0000467
p,p'-DDD		< 0.0000200		< 0.00002		< 0.0000200	< 0.0000200
p,p'-DDE		< 0.0000200		< 0.00002		< 0.0001000	< 0.0000467
p,p'-DDT		< 0.0000200		< 0.00002		< 0.0001000	< 0.0000467
Lindane(Gamma-BHC)		< 0.0000200		< 0.00002		< 0.0001000	< 0.0000467
Tetrachloroethylene	< 0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	< 0.0005
Trichloroethylene	< 0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	< 0.0005

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF OCTOBER 2019

Central Laboratory

Toxicity (TUA)

Northeast WPCP - Outfall

10/11/2019

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic	<	1
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic	<	1

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>			
OCTOBER 2019	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT	
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD		
10/01/2019	0.888	0.060	5.61	0.402	0.338	29.9	
10/02/2019		0.882	92.40	0.896	1.087	106.7	
10/03/2019	0.883	0.669	77.00	2.148	2.535	168.0	
10/04/2019	0.886	0.448	46.90	1.272	0.844	59.6	
10/05/2019	0.897	1.276	135.40	1.187	1.146	83.6	
10/06/2019	0.835	0.747	82.00	1.247	1.138	92.0	
10/07/2019		0.347	35.20	1.232	1.596	140.2	
10/08/2019	0.865	0.856	90.80	1.114	1.427	117.5	
10/09/2019	0.844	0.826	84.20	1.402	1.035	106.1	
10/10/2019				1.179	1.058	90.1	
10/11/2019	0.869	0.494	51.30	1.313	1.600	143.2	
10/12/2019	0.865	1.250	131.40	1.043	0.977	84.4	
10/13/2019				1.200	1.226	88.2	
10/14/2019	0.876	0.909	88.20	1.133	1.302	101.8	
10/15/2019	0.849	0.850	89.60	1.166	0.810	74.2	
10/16/2019		0.005		1.350	1.382	124.6	
10/17/2019	0.850	0.675	62.40	1.208	1.634	153.5	
10/18/2019	0.841	0.398	33.70	1.195	0.651	63.3	
10/19/2019	0.858	1.115	108.20	0.882	1.128	106.6	
10/20/2019		0.357	40.70	0.978	0.727	65.5	
10/21/2019	0.855	0.398	41.50	1.039	0.615	55.9	
10/22/2019	0.857	1.285	170.10	1.203	1.845	174.6	
10/23/2019	0.889	0.850	84.10	1.633	1.305	125.6	
10/24/2019	0.838	0.813	85.10	1.047	0.960	93.1	
10/25/2019	0.843	0.510	51.70	1.025	1.303	148.4	
10/26/2019	0.793	1.273	134.20	0.744	0.699	76.6	
10/27/2019		0.005	0.10	1.111	1.551	135.5	
10/28/2019	0.879	0.814	85.10	1.327	1.509	174.2	
10/29/2019	0.875	0.884	97.30	1.302	0.711	72.4	
10/30/2019	0.858	0.440	44.60	1.370	1.360	138.3	
10/31/2019	0.870	1.362	136.20	1.052	1.225	116.6	
<b>TOTAL</b>	20.663	20.798	2,185	36.400	36.724	3,310	
<b>AVERAGE</b>	0.861	0.717	78	1.174	1.185	107	



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **10/01/2019**  
 DMR Effective To: **10/31/2019**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2019	10	01	TO	2019	10	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	3.9	5.7	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	7.0	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	4653	6613	lbs/day	***	3	4	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	3.77	5.12	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Nitrite as N (00615)	Sample Measurement	***	***	***	***	1.134	1.440	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.757	3.060	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	5.42	6.40	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	449	660	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Chloroform (32106)	Sample Measurement	***	***	***	***	.0012	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	.060	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0050	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Iron, Total (01045)	Sample Measurement	***	***	***	***	.1403	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0880	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0030	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0257	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	154	265	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.27	.52	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
	<b>Facility Parameter Comments</b>	6/month								
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
	<b>Facility Parameter Comments</b>	6/month								
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	5	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	4631	5625	lbs/day	***	3	4	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	23405	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 10/01/2019  
 DMR Effective To: 10/31/2019  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	10	01	TO	2019	10	31

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	98	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	98	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
NECSO 201910.xlsx	CSO Detailed Outfall Report Form	2019-11-26T13:58:43-05:00	
Sludge Dewatering Report OCT 2019.pdf	Sewage Sludge / Biosolids Production and Disposal Form	2019-11-26T13:59:22-05:00	
BLSNE201910.xlsx	Nutrient Monitoring Form	2019-11-26T13:58:10-05:00	
E-NPDES NE201910.xlsx	Daily Effluent Monitoring Form	2019-11-26T13:57:42-05:00	
NE WET Composite (11-21-2019).pdf	Laboratory Accreditation Form	2019-11-26T14:01:11-05:00	
NE Daily Composite (11-21-2019).pdf	Laboratory Accreditation Form	2019-11-26T14:00:05-05:00	
NE Daily Grab (11-21-2019).pdf	Laboratory Accreditation Form	2019-11-26T14:00:42-05:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2019	11	26
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

NE Daily Composite

Report: BLS20191121-001  
 Report Date: 11/21/2019

WW191009-011

NEOUT

Composite 24h 10/09/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/9/2019	17:00	10/14/2019	11:00	1.61	mg/L	2	mg/L

Data Qualifiers:

CBOD5	GGA Recovery is 134.00 mg/L. The acceptance limits are 167.5 to 228.5 mg/L.
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WW191010-013

NEOUT

Composite 24h 10/10/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	10/10/2019	8:04	10/10/2019	10:22	2.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
------------------------	--

WW191011-006

NEOUT

Composite 24h 10/11/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/11/2019	13:20	10/16/2019	9:35	1.28	mg/L	2	mg/L

Data Qualifiers:

CBOD5	RPD between the sample and sample duplicate is 25.25 %. The maximum acceptable RPD is 20.00 %. The measured results are 1.28 mg/L and 1.65 mg/L.
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WW191015-013

NEOUT

Composite 24h 10/15/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/15/2019	11:55	10/20/2019	8:33	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 152.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW191018-013

NEOUT

Composite 24h 10/18/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	10/18/2019	7:40	10/18/2019	9:53	4.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 72.5%. Acceptance limits are 85 to 115%.
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WW191021-014

NEOUT

Composite 24h 10/21/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	10/21/2019	9:37	10/21/2019	10:19	8.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW191023-015

NEOUT

Composite 24h 10/23/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	10/23/2019	7:58	10/23/2019	10:52	5.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 72.5%. Acceptance limits are 85 to 115%.
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WW191025-013

NEOUT

Composite 24h 10/25/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
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CBOD5	SM 5210 B	10/25/2019	11:00	10/30/2019	8:10	2.00	mg/L	2	mg/L
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Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 242.9 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW191026-013

NEOUT

Composite 24h 10/26/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	10/26/2019	8:02	10/26/2019	9:07	2.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.
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WW191027-013

NEOUT

Composite 24h 10/27/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	10/27/2019	7:58	10/27/2019	10:07	1.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW191029-013

NEOUT

Composite 24h 10/29/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/29/2019	9:25	11/3/2019	8:00	2.00	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	10/29/2019	7:41	10/29/2019	9:43	2.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 238.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.

WW191030-015

NEOUT

Composite 24h 10/30/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	10/30/2019	7:25	10/30/2019	9:30	1.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 117.5%. Acceptance limits are 85 to 115%.
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WW191031-013

NEOUT

Composite 24h 10/31/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	10/31/2019	7:40	10/31/2019	9:45	4.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

11/21/2019

NE Daily Grab

Report: BLS20191121-002  
 Report Date: 11/21/2019

WW191004-001

NEOUTN

Grab 10/04/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			10/4/2019	9:34	0.17	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.06 and 0.05 mg/L.
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WW191004-002

NEOUTS

Grab 10/04/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			10/4/2019	9:34	0.15	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.06 and 0.05 mg/L.
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WW191025-001

NEOUTN

Grab 10/25/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantitray			10/26/2019	7:45	5.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.72. The maximum acceptable PCV is 0.403. The measured results were 5.2 MPN/mL and 1.0 MPN/mL. PCV 0.403 was exceeded due to low values in samples.
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WW191025-002

NEOUTS

Grab 10/25/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantit			10/26/2019	7:45	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.72. The maximum acceptable PCV is 0.403. The measured results were 5.2 MPN/mL and 1.0 MPN/mL. PCV 0.403 was exceeded due to low values in samples.
---	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

11/21/2019



Randy E. Hayman, Water Commissioner

December 26, 2019

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for October 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 11/01/2019-11/30/2019

**Report Due Date:** 12/28/2019

**Submitted By:** Mary Ellen Senss

**Submission Id:** 182050

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for November 2019

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..



# PERMIT NEWPCP - NOVEMBER 2019 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	
F	11/01/2019	270	140	6	96	13,523	80	4	95	9,016	
S	11/02/2019	168	146	2	99	2,798	109	2	98	2,798	
Su	11/03/2019	158	154	2	99	2,632	192	3	98	3,948	
M	11/04/2019	152	217	2	99	2,541	137	3	98	3,812	13
T	11/05/2019	152	217	3	99	3,801	146	4	97	5,068	
W	11/06/2019	149	217	2	99	2,477	145	3	98	3,716	11
Th	11/07/2019	148	201	2	99	2,475	166	2	99	2,475	
F	11/08/2019	156	253	2	99	2,607	155	2	99	2,607	
S	11/09/2019	150	181	1	99	1,253	164	3	98	3,760	
Su	11/10/2019	141	251	1	100	1,177	150	4	97	4,709	
M	11/11/2019	221	201	3	99	5,528	161	3	98	5,528	12
T	11/12/2019	152	217	3	99	3,810	161	3	98	3,810	
W	11/13/2019	167	310	2	99	2,789	195	3	98	4,184	12
Th	11/14/2019	143	184	2	99	2,377	142	2	99	2,377	
F	11/15/2019	156	233	2	99	2,595	152	3	98	3,893	
S	11/16/2019	153	257	1	100	1,278	167	3	98	3,834	
Su	11/17/2019	146	417	2	100	2,435	232	3	99	3,652	
M	11/18/2019	148	335	2	99	2,472	190	3	98	3,708	14
T	11/19/2019	138	256	1	100	1,155	177	3	98	3,465	
W	11/20/2019	154	280	2	99	2,574	182	3	98	3,861	16
Th	11/21/2019	146	260	1	100	1,216	199	3	98	3,649	
F	11/22/2019	142	248	1	100	1,187	161	3	98	3,561	
S	11/23/2019	165	265	2	99	2,759	199	3	98	4,139	
Su	11/24/2019	241	228	10	96	20,119	208	9	96	18,107	
M	11/25/2019	240	144	15	90	29,968	133	13	90	25,972	36
T	11/26/2019	162	221	3	99	4,062	153	5	97	6,770	16
W	11/27/2019	162	145	3	98	4,053	128	3	98	4,053	
Th	11/28/2019	148	219	3	99	3,709	160	4	98	4,945	
F	11/29/2019	142	251	4	98	4,743	199	3	98	3,557	
S	11/30/2019	143	213	3	99	3,575	171	4	98	4,767	

TOTAL AVERAGE	4,915	6,861	3	98	4,590	4,912	4	98	5,325	16
	164	229				164				

Wk1	152	206	2	99	2,541	158	3	98	3,627
Wk2	162	236	2	99	2,794	161	3	98	4,048
Wk3	149	294	2	99	1,971	191	3	98	3,719
Wk4	177	203	6	97	10,033	164	6	96	9,739

MAX	270
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CBOD 20 LBS--	25,059
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NPDES/D LIMITS	MO	<30	>85	<52,540	<25	>86	<36,430
	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - NOVEMBER 2019**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
F 11/01/2019	270	6.7	6.7	6.3	0.29	5		
S 11/02/2019	168	6.9	6.9	6.4	0.32	5		
Su 11/03/2019	158	7.0	6.9	6.3	0.48	3		
M 11/04/2019	152	6.9	6.9	5.3	0.35	7		
T 11/05/2019	152	7.0	6.9	5.0	0.38	2		
W 11/06/2019	149	6.8	6.8	5.4	0.32	2		
Th 11/07/2019	148	6.9	6.9	5.4	0.34	4		
F 11/08/2019	156	6.8	6.9	6.3	0.33	1		
S 11/09/2019	150	6.9	6.9	6.2	0.40	1		
Su 11/10/2019	141	6.9	6.9	6.3	0.38	2		
M 11/11/2019	221	7.0	7.0	6.4	0.41	1		
T 11/12/2019	152	6.9	6.9	5.0	0.26	25		
W 11/13/2019	167	6.9	6.9	6.6	0.40	9		
Th 11/14/2019	143	6.9	6.9	6.7	0.30	8		
F 11/15/2019	156	6.9	6.9	6.5	0.58	4		
S 11/16/2019	153	6.8	6.8	6.8	0.37	1		
Su 11/17/2019	146	6.9	6.9	6.5	0.39	4		
M 11/18/2019	148	7.0	6.9	6.2	0.46	1		
T 11/19/2019	138	7.0	6.9	5.5	0.44	2		
W 11/20/2019	154	6.9	7.0	5.4	0.37	1		
Th 11/21/2019	146	6.9	6.9	5.0	0.36	1		
F 11/22/2019	142	7.0	7.0	4.7	0.41	2		
S 11/23/2019	165	7.0	6.9	6.3	0.39	2		
Su 11/24/2019	241	6.7	6.7	4.4	0.48	24		
M 11/25/2019	240	6.9	6.8	6.4	0.39	6		
T 11/26/2019	162	6.9	6.9	6.5	0.39	4		
W 11/27/2019	162	6.9	6.9	6.7	0.34	2		
Th 11/28/2019	148	7.0	6.9	6.8	0.30	3		
F 11/29/2019	142	6.8	6.9	6.7	0.34	6		
S 11/30/2019	143	7.0	7.0	6.6	0.30	10		
TOTAL AVERAGE	4,915 164	MIN 6.7	MAX 7.0	MIN 4.4	AVG 6.0	AVG 0.37	MAX 0.58	GEOMETRIC MEAN 3

Wk1 152  
Wk2 162  
Wk3 149  
Wk4 177

**MAX** 270

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - NOVEMBER 2019  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
11/01/2019	0.36	0.21	0.29	6.0	6.6	6.3	4	5	5
11/02/2019	0.35	0.29	0.32	6.3	6.4	6.4	4	5	5
11/03/2019	0.57	0.38	0.48	6.2	6.4	6.3	4	2	3
11/04/2019	0.42	0.27	0.35	5.1	5.4	5.3	13	4	7
11/05/2019	0.41	0.34	0.38	4.8	5.1	5.0	2	2	2
11/06/2019	0.38	0.26	0.32	5.2	5.5	5.4	1	3	2
11/07/2019	0.46	0.22	0.34	5.2	5.5	5.4	3	6	4
11/08/2019	0.42	0.24	0.33	6.2	6.4	6.3	<	1	1
11/09/2019	0.46	0.33	0.40	6.1	6.3	6.2	1	1	1
11/10/2019	0.47	0.29	0.38	6.1	6.4	6.3	2	3	2
11/11/2019	0.48	0.34	0.41	6.3	6.5	6.4	1	2	1
11/12/2019	0.27	0.24	0.26	5.0	5.0	5.0	28	22	25
11/13/2019	0.48	0.32	0.40	6.5	6.7	6.6	7	12	9
11/14/2019	0.35	0.24	0.30	6.5	6.8	6.7	10	6	8
11/15/2019	0.68	0.48	0.58	6.4	6.6	6.5	4	3	4
11/16/2019	0.42	0.32	0.37	6.5	7.0	6.8	1	1	1
11/17/2019	0.45	0.32	0.39	6.4	6.6	6.5	4	3	4
11/18/2019	0.53	0.38	0.46	6.0	6.3	6.2	<	1	1
11/19/2019	0.49	0.38	0.44	5.4	5.6	5.5	3	1	2
11/20/2019	0.41	0.32	0.37	5.4	5.3	5.4	1	2	1
11/21/2019	0.38	0.33	0.36	4.9	5.1	5.0	1	2	1
11/22/2019	0.45	0.37	0.41	4.6	4.8	4.7	1	4	2
11/23/2019	0.43	0.34	0.39	6.0	6.6	6.3	4	1	2
11/24/2019	0.54	0.42	0.48	4.4	4.4	4.4	27	21	24
11/25/2019	0.47	0.31	0.39	6.3	6.4	6.4	5	6	6
11/26/2019	0.49	0.29	0.39	6.3	6.6	6.5	6	2	4
11/27/2019	0.42	0.25	0.34	6.6	6.7	6.7	2	2	2
11/28/2019	0.36	0.24	0.30	6.8	6.8	6.8	3	3	3
11/29/2019	0.37	0.30	0.34	6.5	6.8	6.7	6	6	6
11/30/2019	0.34	0.25	0.30	6.5	6.7	6.6	11	9	10
Avg	0.44	0.31	0.37	5.9	6.1	6.0	3	3	3

# PERMIT

## NEWPCP - NOVEMBER 2019

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
11/01/2019			
11/02/2019			
11/03/2019			
11/04/2019	136	6	96%
11/05/2019			
11/06/2019	151	7	95%
11/07/2019			
11/08/2019			
11/09/2019			
11/10/2019			
11/11/2019	168	7	96%
11/12/2019			
11/13/2019	189	8	96%
11/14/2019			
11/15/2019			
11/16/2019			
11/17/2019			
11/18/2019	240	7	97%
11/19/2019			
11/20/2019	217	6	97%
11/21/2019			
11/22/2019			
11/23/2019			
11/24/2019			
11/25/2019	134	24	82%
11/26/2019	167	9	95%
11/27/2019			
11/28/2019			
11/29/2019			
11/30/2019			
AVG	175	9	94%

**DESIGN - 210 MGD**

<b>NEWPCP - NOVEMBER 2019</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
11/01/2019	88	122	61	270	425	0.06
11/02/2019	45	94	29	168	233	
11/03/2019	44	85	29	158	202	
11/04/2019	43	81	29	152	195	
11/05/2019	41	83	28	152	215	
11/06/2019	40	81	27	149	210	
11/07/2019	40	81	28	148	186	0.08
11/08/2019	45	82	30	156	276	
11/09/2019	40	83	27	150	199	
11/10/2019	85	30	26	141	204	
11/11/2019	81	79	62	221	193	
11/12/2019	41	82	30	152	242	0.1
11/13/2019	46	91	31	167	319	
11/14/2019	39	76	27	143	173	
11/15/2019	40	88	27	156	190	
11/16/2019	40	88	25	153	220	
11/17/2019	41	78	28	146	186	
11/18/2019	41	79	27	148	191	T
11/19/2019	31	86	22	138	214	
11/20/2019	40	86	28	154	197	
11/21/2019	40	78	27	146	186	T
11/22/2019	40	74	29	142	190	0.04
11/23/2019	42	93	30	165	232	0.09
11/24/2019	62	137	43	241	439	0.79
11/25/2019	76	126	38	240	399	
11/26/2019	41	94	27	162	228	
11/27/2019	41	94	27	162	218	T
11/28/2019	41	80	27	148	204	
11/29/2019	41	76	24	142	195	
11/30/2019	40	77	26	143	191	
<b>TOTAL</b>	<b>1,413</b>	<b>2,584</b>	<b>868</b>	<b>4,630</b>		<b>1.16</b>
<b>AVG</b>	<b>47</b>	<b>86</b>	<b>31</b>	<b>164</b>		
			<b>MIN</b>	<b>138</b>	<b>173</b>	
			<b>MAX</b>	<b>270</b>	<b>439</b>	

\* ADJUSTED FOR RECYCLE.

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
 Northeast Water Pollution Control Plant  
**NPDES SUMMARY FOR THE MONTH OF NOVEMBER 2019**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
11/06/2019	0.849	3.020	5.77	6.78	0.629
11/13/2019	0.693	1.840	5.39	6.29	0.376
11/20/2019	0.811	2.540	6.24	7.98	0.450
11/27/2019	0.521	1.090	5.93	7.64	0.280
<b>AVG</b>	0.719	2.123	5.83	7.17	0.434
<b>MAX</b>	0.849	3.020	6.24	7.98	0.629

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
11/06/2019	0.070

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	11/06/2019
Copper	0.0070
Iron	0.1170
Iron Dissolved	0.0550
Lead	< 0.0030
Zinc	0.0250

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	11/05/2019
1,2-Dichloroethane	< 0.0005
Chloroform	0.0058
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
NOVEMBER 2019	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD	
11/01/2019	0.820	0.766	96.36	1.200	1.381	149.7
11/02/2019				0.836	1.192	114.2
11/03/2019	0.844	0.903	98.95	0.798	0.506	54.6
11/04/2019	0.854	0.543	56.91	1.162	1.408	137.2
11/05/2019	0.866	0.432	45.56	1.529	1.189	127.7
11/06/2019	0.830	1.228	132.33	1.350	1.255	109.5
11/07/2019	0.887	0.958	104.33	1.314	1.260	117.1
11/08/2019	0.847	0.209	20.05	0.550	0.505	46.7
11/09/2019		0.640	68.40	1.266	1.421	169.2
11/10/2019	1.499	1.412	153.88	0.374	0.479	41.1
11/11/2019	0.862	0.821	87.38	1.325	1.412	161.1
11/12/2019	0.778	0.457	48.38	0.900	0.470	49.8
11/13/2019	0.899	0.955	86.96	1.375	1.609	157.4
11/14/2019	0.803	1.072	105.90	0.372		
11/15/2019	0.863	0.634	49.83	1.574	2.339	202.5
11/16/2019	1.675	1.437	119.47	1.257	1.548	142.4
11/17/2019	0.821	1.498	119.48	0.439		
11/18/2019	1.742	1.310	99.44	0.460	0.140	13.1
11/19/2019	0.893	1.467	108.63	1.362	1.894	191.7
11/20/2019	1.676	0.809	59.70	2.211	2.294	227.6
11/21/2019	0.803	1.388	112.28	0.725	0.689	61.7
11/22/2019	1.103	0.993	75.88	1.435	1.033	96.7
11/23/2019	1.442	1.026	70.65	1.551	1.771	159.3
11/24/2019		0.773	53.87	1.362	1.403	130.3
11/25/2019	0.852	0.880	73.07	1.868	1.892	182.1
11/26/2019	1.610	1.128	86.88	1.103	0.998	88.7
11/27/2019	0.856	1.102	152.56	1.718	1.817	179.8
11/28/2019	0.838	0.992	132.29	2.051	1.773	176.2
11/29/2019	0.834	0.835	115.27	1.570	1.504	133.9
11/30/2019	1.672	0.890	115.19	1.451	1.117	108.0
<b>TOTAL</b>	28.469	27.558	2,650	36.488	36.299	3,529
<b>AVERAGE</b>	1.054	0.950	91	1.216	1.296	126

NE Daily Composite

Report: BLS20191223-001  
 Report Date: 12/23/2019

WW191101-013

NEOUT

Composite 24h 11/01/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	11/1/2019	7:51	11/1/2019	9:55	6.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 75%. Acceptance limits are 85 to 115%.
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WW191104-015

NEOUT

Composite 24h 11/04/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	11/4/2019	9:10	11/24/2019	8:15	13.0	mg/L	2	mg/L
CBOD5	SM 5210 B	11/4/2019	9:25	11/9/2019	6:33	3.00	mg/L	2	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 233.3 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 233.3 mg/L. Acceptance limits are 167.5 to 228.5 mg/L

WW191107-008

NEOUT

Composite 24h 11/07/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	11/7/2019	9:30	11/12/2019	8:29	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 250.0 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
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WW191110-013

NEOUT

Composite 24h 11/10/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	11/10/2019	0:00	11/15/2019	8:56	4.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in two blanks was 0.21 and 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L
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WW191111-014

NEOUT

Composite 24h 11/11/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	11/11/2019	10:50	12/1/2019	6:30	12.0	mg/L	2	mg/L
CBOD5	SM 5210 B	11/11/2019	10:50	11/16/2019	8:15	3.00	mg/L	2	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 231.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 231.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L

WW191112-013

NEOUT

Composite 24h 11/12/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	11/12/2019	7:44	11/12/2019	9:48	3.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 160%. Acceptance limits are 85 to 115%.
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WW191113-020

NEOUT

Composite 24h 11/13/2019 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	11/13/2019	9:00	12/3/2019	8:25	12.0	mg/L	2	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 242.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
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WW191119-013

NEOUT

Composite 24h 11/19/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	11/19/2019	12:30	11/24/2019	8:15	3.00	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	11/19/2019	7:43	11/19/2019	10:09	1.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.3 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.

WW191125-014

NEOUT

Composite 24h 11/25/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	11/25/2019	9:30	12/15/2019	9:15	36.0	mg/L	2	mg/L
CBOD5	SM 5210 B	11/25/2019	9:30	11/30/2019	8:00	13.0	mg/L	2	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 230.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 230.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.

WW191126-015

NEOUT

Composite 24h 11/26/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	11/27/2019	10:45	12/17/2019	8:05	16.0	mg/L	2	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 251.3 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW191127-013

NEOUT

Composite 24h 11/27/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	11/27/2019	10:45	12/2/2019	8:09	3.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 251.3 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW191129-013

NEOUT

Composite 24h 11/29/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	11/29/2019	7:55	11/29/2019	10:02	4.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 70%. Acceptance limits are 85 to 115%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401.
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

12/23/2019

NE Daily Grab

WW191103-001

NEOUTN

Grab 11/03/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18/Quantitr			11/4/2019	8:11	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is .811. The maximum acceptable PCV is 0.403. The measured results were 6.3 MPN/100mL and 40.8 MPN/100mL.
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WW191103-002

NEOUTS

Grab 11/03/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18/Quantitr			11/4/2019	8:11	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is .811. The maximum acceptable PCV is 0.403. The measured results were 6.3 MPN/100mL and 40.8 MPN/100mL.
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WW191106-016

NEOUTN

Grab 11/06/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18/Quantitr			11/7/2019	8:27	1.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is .716. The maximum acceptable PCV is 0.403. The measured results were 1.0 MPN/100mL and 5.2 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW191106-017

NEOUTS

Grab 11/06/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18/Quantitr			11/7/2019	8:27	3.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is .716. The maximum acceptable PCV is 0.403. The measured results were 1.0 MPN/100mL and 5.2 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW191119-001

NEOUTN

Grab 11/19/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18/Quantitr			11/20/2019	8:43	3.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.438. The maximum acceptable PCV is 0.403. The measured results were 8.5 MPN/mL and 3.1 MPN/mL. PCV 0.403 was exceeded due to low values in samples
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WW191119-002

NEOUTS

Grab 11/19/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18/Quantitr			11/20/2019	8:43	1.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.438. The maximum acceptable PCV is 0.403. The measured results were 8.5 MPN/mL and 3.1 MPN/mL. PCV 0.403 was exceeded due to low values in samples
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WW191126-001

NEOUTN

Grab 11/26/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
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Coliforms Fecal (Coli-18/Quant-Tray)	Coli-18/Quantitr			11/27/2019	8:44	6.3	MPN/100 mL	<1	MPN/100 mL
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Data Qualifiers:

Coliforms Fecal (Coli-18/Quant-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.498. The maximum acceptable PCV is 0.403. The measured results were 6.3 MPN/100mL and 2.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW191126-002

NEOUTS

Grab 11/26/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Coli-18/Quant-Tray)	Coli-18/Quantitr			11/27/2019	8:44	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Coli-18/Quant-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.498. The maximum acceptable PCV is 0.403. The measured results were 6.3 MPN/100mL and 2.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW191129-001

NEOUTN

Grab 11/29/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Coli-18/Quant-Tray)	Coli-18/Quantitr			11/30/2019	8:45	6.3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Coli-18/Quant-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.415. The maximum acceptable PCV is 0.403. The measured results were 5.2 MPN/100mL and 2.0 MPN/100mL. PCV of 0.403 was exceeded.
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WW191129-002

NEOUTS

Grab 11/29/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Coli-18/Quant-Tray)	Coli-18/Quantitr			11/30/2019	8:45	6.3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Coli-18/Quant-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.415. The maximum acceptable PCV is 0.403. The measured results were 5.2 MPN/100mL and 2.0 MPN/100mL. PCV of 0.403 was exceeded.
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WW191130-001

NEOUTN

Grab 11/30/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Coli-18/Quant-Tray)	Coli-18/Quantitr			12/1/2019	8:18	11.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Coli-18/Quant-Tray)	The calculated Precision Criteria Value (PCV) between the sample and sample duplicate is 0.591. The maximum acceptable PCV is 0.403. The measured results were 16.0 MPN/100mL and 4.1 MPN/100mL. PCV of 0.403 was exceeded.
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WW191130-002

NEOUTS

Grab 11/30/2019 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Coli-18/Quant-Tray)	Coli-18/Quantitr			12/1/2019	8:18	8.5	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Coli-18/Quant-Tray)	The calculated Precision Criteria Value (PCV) between the sample and sample duplicate is 0.591. The maximum acceptable PCV is 0.403. The measured results were 16.0 MPN/100mL and 4.1 MPN/100mL. PCV of 0.403 was exceeded.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name: Aaron Bitler  
 Title: Laboratory Manager  
 Date: 12/23/2019



Randy E. Hayman, Water Commissioner

January 24, 2020

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for December 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 12/01/2019-12/31/2019

**Report Due Date:** 01/28/2020

**Submitted By:** Mary Ellen Senss

**Submission Id:** 189196

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for December 2019

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - DECEMBER 2019 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	
Su	12/01/2019	148	240	3	99	3,693	170	3	98	3,693	
M	12/02/2019	241	215	16	93	32,135	133	12	91	24,101	33
T	12/03/2019	176	156	5	97	7,324	127	4	97	5,859	
W	12/04/2019	163	187	4	98	5,433	170	5	97	6,792	14
Th	12/05/2019	166	263	3	99	4,158	176	3	98	4,158	
F	12/06/2019	140	215	2	99	2,327	182	4	98	4,654	
S	12/07/2019	167	200	2	99	2,778	176	4	98	5,557	
Su	12/08/2019	167	258	3	99	4,178	179	4	98	5,571	
M	12/09/2019	166	174	3	98	4,160	188	4	98	5,547	17
T	12/10/2019	299	226	22	90	54,877	103	16	84	39,910	
W	12/11/2019	220	170	10	94	18,327	103	7	93	12,829	17
Th	12/12/2019	182	162	8	95	12,164	118	6	95	9,123	
F	12/13/2019	162	230	3	99	4,048	132	4	97	5,398	
S	12/14/2019	247	172	10	94	20,619	153	8	95	16,495	
Su	12/15/2019	206	143	7	95	12,008	139	6	96	10,293	
M	12/16/2019	168	140	3	98	4,197	125	4	97	5,596	13
T	12/17/2019	261	123	9	93	19,584	90	7	92	15,232	
W	12/18/2019	283	144	19	87	44,868	82	16	81	37,784	24
Th	12/19/2019	185	138	5	96	7,713	118	4	97	6,170	
F	12/20/2019	175	181	4	98	5,851	128	4	97	5,851	
S	12/21/2019	167	206	3	99	4,167	146	4	97	5,556	
Su	12/22/2019	173	139	3	98	4,316	156	4	97	5,755	
M	12/23/2019	170	134	3	98	4,258	131	4	97	5,678	13
T	12/24/2019	170	103	3	97	4,242	148	4	97	5,657	
W	12/25/2019	172	211	3	99	4,299	159	5	97	7,165	16
Th	12/26/2019	165	280	4	99	5,512	189	5	97	6,890	
F	12/27/2019	163	305	4	99	5,432	200	5	98	6,790	
S	12/28/2019	160	238	4	98	5,328	178	6	97	7,992	
Su	12/29/2019	162	165	4	98	5,392	136	4	97	5,392	18
M	12/30/2019	239	214	12	94	23,941	175	15	91	29,926	
T	12/31/2019	279	101	16	84	37,222	84	13	84	30,243	31

TOTAL AVERAGE	5,939	5,834					4,494				
	192	188	6	96	12,082		145	6	95	11,215	20

Wk1	171	211	5	98	8,264	162	5	97	7,831
Wk2	206	199	8	96	16,910	139	7	94	13,553
Wk3	206	154	7	95	14,055	118	6	94	12,355
Wk4	167	202	3	98	4,770	166	5	97	6,561

MAX	299
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CBOD 20 LBS--	35,265
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NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - DECEMBER 2019**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
Su 12/01/2019	148	7.0	7.0	6.6	0.31	5		
M 12/02/2019	241	6.9	6.9	5.5	0.34	67		
T 12/03/2019	176	6.8	6.8	5.9	0.26	15		
W 12/04/2019	163	6.9	6.9	5.0	0.28	10		
Th 12/05/2019	166	6.9	6.9	5.1	0.38	12		
F 12/06/2019	140	6.9	6.9	5.4	0.42	17		
S 12/07/2019	167	7.0	7.0	6.7	0.24	20		
Su 12/08/2019	167	7.0	7.0	6.3	0.38	11		
M 12/09/2019	166	7.0	7.0	3.6	0.41	41		
T 12/10/2019	299	6.7	6.6	6.3	0.19	54		
W 12/11/2019	220	6.8	6.8	5.7	0.26	11		
Th 12/12/2019	182	6.9	6.9	6.6	0.28	5		
F 12/13/2019	162	6.9	6.9	6.6	0.27	2		
S 12/14/2019	247	6.7	6.7	6.7	0.26	30		
Su 12/15/2019	206	7.0	6.8	6.8	0.36	3		
M 12/16/2019	168	6.9	6.9	6.6	0.38	6		
T 12/17/2019	261	6.8	6.7	6.6	0.28	548		
W 12/18/2019	283	6.7	6.7	6.2	0.24	8		
Th 12/19/2019	185	6.7	6.7	6.4	0.33	35		
F 12/20/2019	175	6.8	6.8	5.3	0.24	6		
S 12/21/2019	167	6.9	6.8	5.4	0.19	7		
Su 12/22/2019	173	6.9	6.8	5.8	0.28	8		
M 12/23/2019	170	6.8	6.8	6.3	0.31	7		
T 12/24/2019	170	6.9	6.9	6.6	0.27	3		
W 12/25/2019	172	6.9	6.9	6.7	0.32	2		
Th 12/26/2019	165	6.9	6.9	6.9	0.28	3		
F 12/27/2019	163	6.9	6.9	6.8	0.32	2		
S 12/28/2019	160	6.8	6.8	6.7	0.28	10		
Su 12/29/2019	162	6.9	6.9	6.8	0.30	5		
M 12/30/2019	239	6.6	6.6	5.1	0.41	17		
T 12/31/2019	279	6.9	6.9	6.2	0.31	6		
<b>TOTAL</b>	<b>5,939</b>	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>AVG</b>	<b>AVG</b>	<b>MAX</b>	<b>GEOMETRIC</b>
<b>AVERAGE</b>	<b>192</b>	<b>6.6</b>	<b>7.0</b>	<b>3.6</b>	<b>6.1</b>	<b>0.30</b>	<b>0.42</b>	<b>MEAN</b>
								<b>10</b>

Wk1 171  
Wk2 206  
Wk3 206  
Wk4 167

**MAX** 299

	EFFLUENT	GEO
NPDES/D	MIN MAX	MEAN
LIMITS	6.0 9.0	<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - DECEMBER 2019  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
12/01/2019	0.37	0.24	0.31	6.5	6.7	6.6	4	6	5
12/02/2019	0.28	0.40	0.34	5.2	5.7	5.5	96	47	67
12/03/2019	0.25	0.27	0.26	5.8	6.0	5.9	23	10	15
12/04/2019	0.28	0.28	0.28	4.8	5.2	5.0	11	9	10
12/05/2019	0.38	0.37	0.38	5.1	5.1	5.1	17	9	12
12/06/2019	0.53	0.30	0.42	5.2	5.5	5.4	11	25	17
12/07/2019	0.29	0.19	0.24	6.5	6.8	6.7	26	16	20
12/08/2019	0.47	0.28	0.38	6.0	6.5	6.3	10	14	11
12/09/2019	0.46	0.35	0.41	3.7	3.4	3.6	29	60	41
12/10/2019	0.19	0.18	0.19	6.4	6.1	6.3	68	43	54
12/11/2019	0.35	0.17	0.26	5.7	5.7	5.7	17	7	11
12/12/2019	0.42	0.13	0.28	6.5	6.6	6.6	4	6	5
12/13/2019	0.29	0.24	0.27	6.4	6.7	6.6	2	3	2
12/14/2019	0.27	0.24	0.26	6.5	6.9	6.7	27	34	30
12/15/2019	0.46	0.25	0.36	6.6	7.0	6.8	3	3	3
12/16/2019	0.53	0.23	0.38	6.6	6.6	6.6	4	10	6
12/17/2019	0.32	0.24	0.28	6.6	6.6	6.6	548	548	548
12/18/2019	0.30	0.18	0.24	6.0	6.4	6.2	8	7	8
12/19/2019	0.43	0.22	0.33	6.2	6.5	6.4	3	387	35
12/20/2019	0.29	0.19	0.24	5.3	5.2	5.3	3	11	6
12/21/2019	0.24	0.14	0.19	5.3	5.4	5.4	6	7	7
12/22/2019	0.32	0.23	0.28	5.6	5.9	5.8	8	7	8
12/23/2019	0.37	0.24	0.31	6.1	6.5	6.3	9	6	7
12/24/2019	0.33	0.21	0.27	6.5	6.7	6.6	3	3	3
12/25/2019	0.40	0.23	0.32	6.5	6.9	6.7	1	4	2
12/26/2019	0.35	0.20	0.28	6.7	7.0	6.9	2	4	3
12/27/2019	0.29	0.34	0.32	6.8	6.7	6.8	1	5	2
12/28/2019	0.30	0.26	0.28	6.5	6.8	6.7	9	11	10
12/29/2019	0.35	0.25	0.30	6.7	6.8	6.8	4	6	5
12/30/2019	0.39	0.42	0.41	5.1	5.0	5.1	36	9	17
12/31/2019	0.32	0.29	0.31	6.0	6.4	6.2	5	6	6
Avg	0.35	0.25	0.30	6.0	6.2	6.1	9	12	10



# PERMIT

## NEWPCP - DECEMBER 2019

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
12/01/2019			
12/02/2019	145	29	80%
12/03/2019			
12/04/2019	156	11	93%
12/05/2019			
12/06/2019			
12/07/2019			
12/08/2019			
12/09/2019	169	11	93%
12/10/2019			
12/11/2019	114	18	84%
12/12/2019			
12/13/2019			
12/14/2019			
12/15/2019			
12/16/2019	138	8	94%
12/17/2019			
12/18/2019	87	24	72%
12/19/2019			
12/20/2019			
12/21/2019			
12/22/2019			
12/23/2019	139	11	92%
12/24/2019			
12/25/2019	170	10	94%
12/26/2019			
12/27/2019			
12/28/2019			
12/29/2019	142	12	92%
12/30/2019			
12/31/2019	103	23	78%
AVG	136	16	87%

**DESIGN - 210 MGD**

<b>NEWPCP - DECEMBER 2019</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
12/01/2019	40	81	26	148	191	0.65
12/02/2019	73	122	45	241	444	0.04
12/03/2019	50	95	31	176	264	T
12/04/2019	42	96	25	163	226	0.08
12/05/2019	44	94	29	166	267	
12/06/2019	40	74	25	140	184	0.01
12/07/2019	40	100	26	167	199	
12/08/2019	40	101	25	167	222	T
12/09/2019	46	92	29	166	372	1.31
12/10/2019	90	154	55	299	473	0.17
12/11/2019	65	114	41	220	383	0.08
12/12/2019	49	104	30	182	229	
12/13/2019	43	91	27	162	211	0.51
12/14/2019	75	125	47	247	422	0.17
12/15/2019	56	116	34	206	308	
12/16/2019	46	95	27	168	208	0.38
12/17/2019	75	135	51	261	445	0.82
12/18/2019	86	152	46	283	424	T
12/19/2019	49	108	28	185	217	
12/20/2019	48	100	27	175	222	
12/21/2019	47	94	26	167	237	
12/22/2019	47	97	29	173	210	
12/23/2019	47	94	29	170	211	
12/24/2019	45	95	29	170	201	
12/25/2019	47	95	30	172	212	
12/26/2019	45	91	29	165	215	
12/27/2019	45	88	30	163	206	T
12/28/2019	44	87	29	160	223	
12/29/2019	45	87	30	162	208	0.36
12/30/2019	79	111	49	239	411	0.63
12/31/2019	81.83	147.88	49	279	427	
<b>TOTAL</b>	<b>1,668</b>	<b>3,236</b>	<b>906</b>	<b>5,259</b>		<b>5.21</b>
<b>AVG</b>	<b>54</b>	<b>104</b>	<b>33</b>	<b>192</b>		
			<b>MIN</b>	<b>140</b>	<b>184</b>	
			<b>MAX</b>	<b>299</b>	<b>473</b>	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

**PA0026689**  
PERMIT NUMBER

**001**  
OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **12/01/2019**  
 DMR Effective To: **12/31/2019**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2019	12	01	TO	2019	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	3.6	6.1	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	7.0	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	12082	16910	lbs/day	***	6	8	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	4.90	5.86	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.510	.717	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.528	3.380	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	6.89	8.98	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.434	.585	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0033	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	.110	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0070	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.1360	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0400	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	<.0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0350	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	192	299	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.30	.42	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	10	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	11215	13553	lbs/day	***	6	7	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	35265	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 12/01/2019  
 DMR Effective To: 12/31/2019  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2019	12	01	TO	2019	12	31

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	95	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
NE Daily Composite (01-21-2020).pdf	Laboratory Accreditation Form	2020-01-27T14:48:02-05:00	
NE Outfall Monthly Grab (01-21-2020).pdf	Laboratory Accreditation Form	2020-01-27T14:49:12-05:00	
E-NPDES NE201912.xlsx	Daily Effluent Monitoring Form	2020-01-27T14:45:24-05:00	
BLSNE201912.xlsx	Nutrient Monitoring Form	2020-01-27T14:46:06-05:00	
NECSO 201912.xlsx	CSO Detailed Outfall Report Form	2020-01-27T14:47:13-05:00	
201912SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2020-01-27T14:46:42-05:00	
NE Daily Grab (01-21-2020).pdf	Laboratory Accreditation Form	2020-01-27T14:48:40-05:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2020	1	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF DECEMBER 2019**

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
12/04/2019	0.717	1.750	5.86	7.06	0.233
12/11/2019	0.658	1.890	4.44	5.56	0.328
12/18/2019	0.354	2.740	2.66	4.90	0.574
12/23/2019	0.447	3.380	5.79	7.94	0.448
12/30/2019	0.373	2.880	5.73	8.98	0.585
<b>AVG</b>	0.510	2.528	4.90	6.89	0.434
<b>MAX</b>	0.717	3.380	5.86	8.98	0.585

**Cyanide and Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
12/04/2019	0.110

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

**Metals Data (mg/L)  
Northeast WPCP - Outfall**

Date	12/04/2019
Copper	0.0070
Iron	0.1360
Iron Dissolved	0.0400
Lead	< 0.0030
Zinc	0.0350

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	12/03/2019
1,2-Dichloroethane	< 0.0005
Chloroform	0.0033
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005

File Name: 201912SL  
 Print Date: 01/24/2020

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
DECEMBER 2019	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP	Biosolids Recycle Center / Synagro		From SWWPCP	Biosolids Recycle Center / Synagro	
	MGD	MGD		MGD	MGD	
12/01/2019	0.7660	1.569	179.72	1.129	1.271	131.5
12/02/2019	0.8312	0.810	59.53	1.486	1.186	117.1
12/03/2019	1.6360	1.590	207.12	1.337	1.705	180.1
12/04/2019	0.7193	0.815	77.56	1.300	1.222	124.1
12/05/2019	0.8331	0.841	82.02	1.476	1.390	138.8
12/06/2019	0.8076	0.704	100.77	1.454	1.727	206.9
12/07/2019	0.8258	0.930	100.66	1.297	1.233	141.0
12/08/2019	0.7990	0.576	54.33	1.661	1.461	176.1
12/09/2019	0.8701	1.034	91.66	1.791	1.914	205.7
12/10/2019	0.7319	0.444	39.31	1.620	1.529	141.5
12/11/2019	1.5878	1.177	95.24	1.025	0.610	59.9
12/12/2019	0.8735	1.459	170.97	1.534	1.981	208.3
12/13/2019	1.7038	1.124	97.14	1.457	1.202	125.1
12/14/2019	0.8502	1.517	128.99	1.346	1.382	138.0
12/15/2019	0.8474	0.910	72.13	1.573	1.655	152.0
12/16/2019	0.7882	0.761	59.58	1.304	1.309	105.8
12/17/2019	0.8574	0.891	70.40	1.871	1.907	172.5
12/18/2019	0.8318	0.050	3.01	1.521	1.319	134.7
12/19/2019	0.8231	1.184	146.24	1.110	1.089	106.6
12/20/2019	0.8097	0.883	94.92	1.748	2.045	211.3
12/21/2019	0.8263	0.403	30.18	1.977	1.885	173.1
12/22/2019	-	0.294	26.50	0.747	0.862	76.4
12/23/2019	0.8102	0.907	81.60	1.538	1.533	143.6
12/24/2019	0.8366	1.232	111.13	1.347	1.209	105.5
12/25/2019	0.8553	0.860	79.74	1.416	1.236	108.0
12/26/2019	0.8573	0.839	85.50	1.243	1.381	132.5
12/27/2019	1.7041	0.973	91.88	1.525	1.639	170.6
12/28/2019	0.8555	1.555	110.30	1.259	1.314	120.4
12/29/2019	0.8421	0.916	66.81	1.332	1.207	110.5
12/30/2019	1.7059	1.697	128.99	1.599	2.155	203.4
12/31/2019	1.7059	-	-	1.599	1.810	156.7
<b>TOTAL</b>	29.792	28.944	2,744	44.619	45.367	4,478
<b>AVERAGE</b>	0.961	0.934	89	1.439	1.463	144



NE Daily Composite

WW191203-016

NEOUT

Composite 24h 12/03/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	12/3/2019	7:37	12/3/2019	11:12	5.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW191204-016

NEOUT

Composite 24h 12/04/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
PCBs Total <sup>h,d</sup>	EPA 608.3	12/9/2019	16:00	12/11/2019	0:55	<0.48 <sup>f</sup>	µg/L	0.48	µg/L

Data Qualifiers:

PCBs Total	Sample PH was not verified as required by method prior to sample extraction. In addition, associated batch QC was not treated with a dechlorinating agent.
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WW191206-014

NEOUT

Composite 24h 12/06/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	12/6/2019	11:45	12/11/2019	8:26	4.00	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	12/6/2019	7:27	12/6/2019	9:30	2.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in two blanks was 0.32 and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 120%. Acceptance limits are 85 to 115%.

WW191209-014

NEOUT

Composite 24h 12/09/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	12/9/2019	13:19	12/29/2019	6:51	17.0	mg/L	2.0	mg/L
CBOD5	SM 5210 B	12/9/2019	13:23	12/14/2019	8:10	4.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.31 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Glucose-Glutamic Acid (GGA) recovery is 232.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blanks was 0.31 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Glucose-Glutamic Acid (GGA) recovery is 232.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.

WW191210-013

NEOUT

Composite 24h 12/10/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	12/10/2019	8:02	12/10/2019	10:17	22.0	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 83%. Acceptance limits are 85 to 115%.
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WW191213-013

NEOUT

Composite 24h 12/13/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	12/13/2019	10:15	12/18/2019	6:25	4.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.27 and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW191214-013

NEOUT

Composite 24h 12/14/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	12/14/2019	11:00	12/19/2019	7:18	8.00	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in three blanks was 0.24, 0.27, and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW191217-013

NEOUT

Composite 24h 12/17/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	12/11/2019	11:03	12/22/2019	8:00	7.00	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in three blanks was 0.27, 0.27, and 0.39 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW191218-015

NEOUT

Composite 24h 12/18/2019 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	12/18/2019	9:20	1/7/2020	10:17	24.0	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD20	Due to a lab accident, the 20-day reading was not possible. The reported value is the 17-day reading.
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WW191220-013

NEOUT

Composite 24h 12/20/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	12/20/2019	9:50	12/25/2019	9:10	4.00	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in three blanks was 0.21, 0.21, and 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW191222-013

NEOUT

Composite 24h 12/22/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	12/22/2019	10:45	12/27/2019	8:52	4.00	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in four blanks was 0.32, 0.39, 0.40, and 0.34 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Glucose-Glutamic Acid (GGA) recovery is 245.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW191226-013

NEOUT

Composite 24h 12/26/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	12/26/2019	8:45	12/31/2019	8:15	5.00	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 234.6 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW191227-013

NEOUT

Composite 24h 12/27/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	12/27/2019	10:46	1/1/2020	6:35	5.00	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
-------	---

## Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:  
Signature:

Name: Aaron Bitler

Title: Laboratory Manager

Date: 1/21/2020

NE Daily Grab

WW191209-001

NEOUTN

Grab 12/09/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitr			12/10/2019	8:28	28.5	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.908. The maximum acceptable PCV is 0.403. The measured results were 4.1 MPN/100mL and 33.2 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
---	--

WW191209-002

NEOUTS

Grab 12/09/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitr			12/10/2019	8:28	59.8	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.908. The maximum acceptable PCV is 0.403. The measured results were 4.1 MPN/100mL and 33.2 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW191212-001

NEOUTN

Grab 12/12/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitr			12/13/2019	8:21	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.530. The maximum acceptable PCV is 0.403. The measured results were 10.5 MPN/mL and 3.1 MPN/mL. PCV 0.403 was exceeded due to low values in samples.
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WW191212-002

NEOUTS

Grab 12/12/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitr			12/13/2019	8:21	6.3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.530. The maximum acceptable PCV is 0.403. The measured results were 10.5 MPN/mL and 3.1 MPN/mL. PCV 0.403 was exceeded due to low values in samples.
---	--

WW191216-001

NEOUTN

Grab 12/16/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitr			12/17/2019	8:37	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.716. The maximum acceptable PCV is 0.403. The measured results were 5.2 MPN/mL and 1.0 MPN/mL. PCV of 0.403 was exceeded due to low values in samples.
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WW191216-002

NEOUTS

Grab 12/16/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitr			12/17/2019	8:37	9.7	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.716. The maximum acceptable PCV is 0.403. The measured results were 5.2 MPN/mL and 1.0 MPN/mL. PCV of 0.403 was exceeded due to low values in samples.
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WW191217-001

NEOUTN

Grab 12/17/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			12/17/2019	9:35	0.32	mg/L	0.05	mg/L

## Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.10 and 0.12 mg/L
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WW191217-002

NEOUTS

Grab 12/17/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			12/17/2019	9:35	0.24	mg/L	0.05	mg/L

## Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.10 and 0.12 mg/L
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WW191218-001

NEOUTN

Grab 12/18/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			12/18/2019	9:37	0.30	mg/L	0.05	mg/L

## Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 56%. The maximum acceptable RPD is 15%. The measured results were 0.09 and 0.05 mg/L
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WW191218-002

NEOUTS

Grab 12/18/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			12/18/2019	9:37	0.18	mg/L	0.05	mg/L

## Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 56%. The maximum acceptable RPD is 15%. The measured results were 0.09 and 0.05 mg/L
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WW191219-001

NEOUTN

Grab 12/19/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitr			12/20/2019	8:54	3.1	MPN/100 mL	<1	MPN/100 mL

## Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 1.330. The maximum acceptable PCV is 0.403. The measured results were 387.3 MPN/100mL and 18.1 MPN/100mL. The PCV was exceeded.
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WW191219-002

NEOUTS

Grab 12/19/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitr			12/20/2019	8:54	387.3	MPN/100 mL	<1	MPN/100 mL

## Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 1.330. The maximum acceptable PCV is 0.403. The measured results were 387.3 MPN/100mL and 18.1 MPN/100mL. The PCV was exceeded.
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WW191220-001

NEOUTN

Grab 12/20/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18 /Quantitray			12/21/2019	7:55	3.0	MPN/100 mL	<1	MPN/100 mL

## Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.491. The maximum acceptable PCV is 0.403. The measured results were <1 MPN/100mL and 3.1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
--	--

WW191220-002

NEOUTS

Grab 12/20/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18 /Quantitray			12/21/2019	7:55	11.0	MPN/100 mL	<1	MPN/100 mL

## Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.491. The maximum acceptable PCV is 0.403. The measured results were <1 MPN/100mL and 3.1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW191221-001

NEOUTN

Grab 12/21/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18 /Quantitray			12/22/2019	7:51	6.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.415. The maximum acceptable PCV is 0.403. The measured results were 5.2 MPN/100mL and 2.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW191221-002

NEOUTS

Grab 12/21/2019 09:23

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18 /Quantitray			12/22/2019	7:51	7.3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.415. The maximum acceptable PCV is 0.403. The measured results were 5.2 MPN/100mL and 2.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW191226-001

NEOUTN

Grab 12/26/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18/Quantitr			12/27/2019	8:26	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.4771. The maximum acceptable PCV is 0.403. The measured results were 2.0 MPN/100mL and <1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
--	---

WW191226-002

NEOUTS

Grab 12/26/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18/Quantitr			12/27/2019	8:26	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.4771. The maximum acceptable PCV is 0.403. The measured results were 2.0 MPN/100mL and <1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW191229-001

NEOUTN

Grab 12/29/2019 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18/Quantitr			12/30/2019	8:48	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.403. The measured results were 4.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
--	---

WW191229-002

NEOUTS

Grab 12/29/2019 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18/Quantitr			12/30/2019	8:48	6.3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.403. The measured results were 4.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
--	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

1/21/2020

NE Outfall Monthly Grab

Report: BLS20200121-003  
 Report Date: 01/21/2020

WW191203-010

NEOUT

Grab 12/03/2019 09:05


Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Tetrachloroethene <sup>BP</sup>	EPA 624.1			12/12/2019	11:54	<0.5 <sup>E</sup>	µg/L	0.5	µg/L

Data Qualifiers:

Tetrachloroethene	Calibration verification below minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The Laboratory Control Sample for the analysis batch associated with this sample was below acceptance criteria. Results may have greater uncertainty. The LCS was below minimum acceptance limits; however, a low-level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low-level standard.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401.
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
 Signature: \_\_\_\_\_  
 Name: Aaron Bitler  
 Title: Laboratory Manager  
 Date: 1/21/2020



Randy E. Hayman, Water Commissioner

January 24, 2020

The City of Philadelphia hereby submits the Annually Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Annually

**Report Type:** DMR

**Reporting Period:** 01/01/2019-12/31/2019

**Report Due Date:** 01/28/2020

**Submitted By:** Mary Ellen Senss

**Submission Id:** 189008

**Submission Status:** Received

**Submission Type:** Original



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Annually  
 DMR Effective From: 01/01/2019  
 DMR Effective To: 12/31/2019  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2019	01	01	TO	2019	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
PCBs Wet Weather Analysis (51556)	Sample Measurement	***	***	***	3508	***	3768	pg/L	2/year	24-Hr Composite
	Permit Requirement	***	***		Monitor & Report Min	***	Monitor & Report Max		2/year	24-Hr Composite
PCBs Dry Weather Analysis (51557)	Sample Measurement	***	***	***	1460	***	1825	pg/L	2/year	24-Hr Composite
	Permit Requirement	***	***		Monitor & Report Min	***	Monitor & Report Max		2/year	24-Hr Composite
Facility Sampling Point Comments										





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

PA0026689
PERMIT NUMBER

061
OUTFALL NUMBER

Reporting Frequency: Annually  
 DMR Effective From: 01/01/2019  
 DMR Effective To: 12/31/2019  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	01	01	TO	2019	12 31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Chemical Oxygen Demand (COD) (00340)	Sample Measurement	***	***	***	***	***	10	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
pH (00400)	Sample Measurement	***	***	***	***	***	6.8	S.U.	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	10	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	<5.0	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	***	<1.0	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	***	<.100	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	***	204.6	CFU/100 ml	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	***	2	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)

## ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
BLSNE201912.xlsx	Annual Nutrient Summary Form	2020-01-27T13:32:50-05:00	

## PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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## UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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## OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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## COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
Annual PCB and Stormwater DMR	Mary Ellen Senss	S12300	(215)-685-6258

## SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2020	1	27
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES  
**Northeast Water Pollution Control Plant**  
**NPDES SUMMARY FOR THE MONTH OF DECEMBER 2019**

Central Laboratory

PCB (pg/L)

Northeast WPCP - Outfall

PCB	05/06/2019	06/29/2019	08/28/2019	10/17/2019	AVG
Dry Test		1,825	1,460		1,643
Wet Test	3,508			3,768	3,638

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF DECEMBER 2019

Central Laboratory

**Stormwater Sampling (mg/L)**

**Northeast WPCP - Outfall**

**10/16/2019**

<b>COD</b>		10
<b>HEM (Oil &amp; Grease)</b>	<	5.0
<b>Phosphorous Total</b>	<	0.100
<b>TKN</b>	<	1.0
<b>CBOD<sub>5</sub></b>		2
<b>Total Suspended Solid</b>		10

**Stormwater Sampling (pH)**

**pH** 6.8

**Stormwater Sampling (#/100mls)**

**Fecal Coliform** 204.6



Randy E. Hayman, Water Commissioner

January 24, 2020

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for the period from October 2019 to December 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Quarterly

**Report Type:** DMR

**Reporting Period:** 10/01/2019-12/31/2019

**Report Due Date:** 01/28/2020

**Submitted By:** Mary Ellen Senss

**Submission Id:** 189064

**Submission Status:** Received

**Submission Type:** Original



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Quarterly**  
 DMR Effective From: **10/01/2019**  
 DMR Effective To: **12/31/2019**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	12 31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival (61425)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	This result is actually "< 1".								
Toxicity, Chronic - Ceriodaphnia Survival (61426)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	This result is actually "< 1".								
Toxicity, Acute - Pimephales Survival (61427)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	This result is actually "< 1".								
Chlordane (51032)	Sample Measurement	***	***	***	***	<.0011667	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
3,3-Dichlorobenzidine (34631)	Sample Measurement	***	***	***	***	<.0010	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Benzidine (39120)	Sample Measurement	***	***	***	***	<.0050	***	mg/L	3/quarter	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	Grab
	Facility Parameter Comments	See attached data qualifier report.								
4,4-DDT (39300)	Sample Measurement	***	***	***	***	<.0000467	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
4,4-DDD (39310)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
4,4-DDE (39320)	Sample Measurement	***	***	***	***	<.0000467	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
alpha-BHC (39336)	Sample Measurement	***	***	***	***	<.0000467	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								



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DEPARTMENT OF ENVIRONMENTAL PROTECTION  
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beta-BHC (39338)	Sample Measurement	***	***	***	***	<.0000467	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
gamma-BHC (Lindane) (39344)	Sample Measurement	***	***	***	***	<.0000467	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Dieldrin (39380)	Sample Measurement	***	***	***	***	<.0000467	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Endrin (39390)	Sample Measurement	***	***	***	***	<.0000467	***	mg/L	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Heptachlor (39410)	Sample Measurement	***	***	***	***	<.0000467	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Toxicity, Chronic - Pimephales Survival (61428)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	This result is actually "< 1".								
<b>Facility Sampling Point Comments</b>										



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BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)

## ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
NE WET Composite (11-21-2019).pdf	Laboratory Accreditation Form	2020-01-27T13:55:44-05:00	
BLSNE201910.xlsx	WET Test Summary Report	2020-01-27T13:54:34-05:00	

## PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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## UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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## OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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## COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

## SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2020	1	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF OCTOBER 2019

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
10/02/2019	1.220	3.020	3.95	5.31	0.240
10/07/2019	1.440	3.060	4.71	5.84	0.430
10/09/2019	1.360	2.690	3.97	5.49	0.660
10/11/2019	1.150	2.890	0.01	4.65	0.244
10/16/2019	1.030	2.660	4.66	5.77	0.540
10/23/2019	0.797	2.300	3.94	4.45	0.383
10/30/2019	0.940	2.680	5.12	6.40	0.643
AVG	1.134	2.757	3.77	5.42	0.449
MAX	1.440	3.060	5.12	6.40	0.660

Cyanide and Phenol Data (mg/L)

Northeast WPCP - Outfall

Date	Phenolics
10/07/2019	0.050
10/09/2019	0.060
10/11/2019	0.070
AVG	0.060

Metals Data (mg/L)

Northeast WPCP - Outfall

Date	10/07/2019	10/09/2019	10/11/2019	AVG
Copper	0.0050	0.0050	0.0050	0.0050
Iron	0.1520	0.1210	0.1480	0.1403
Iron Dissolved	0.0810	0.0870	0.0960	0.0880
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	0.0270	0.0260	0.0240	0.0257

Organics Data (mg/L)

Northeast WPCP - Outfall

Date	10/06/2019	10/07/2019	10/08/2019	10/09/2019	10/10/2019	10/11/2019	AVG
1,2-Dichloroethane	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
3,3-Dichlorobenzidine		< 0.0010		< 0.0010		< 0.0010	< 0.0010
alpha-BHC		< 0.0000200		< 0.0000200		< 0.0001000	< 0.0000467
Benzidine		< 0.0050		< 0.0050		< 0.0050	< 0.0050
Beta-BHC		< 0.0000200		< 0.0000200		< 0.0001000	< 0.0000467
Chlordane		< 0.0005000		< 0.0005000		< 0.0025000	< 0.0011667
Chloroform	0.0010	0.0011	0.0014	0.0013	0.0013	0.0013	0.0012
Chlorodibromomethane	< 0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	< 0.0005
Dieldrin		< 0.0000200		< 0.0000200		< 0.0001000	< 0.0000467
Endrin		< 0.0000200		< 0.0000200		< 0.0001000	< 0.0000467
Heptachlor		< 0.0000200		< 0.0000200		< 0.0001000	< 0.0000467
p,p'-DDD		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
p,p'-DDE		< 0.0000200		< 0.0000200		< 0.0001000	< 0.0000467
p,p'-DDT		< 0.0000200		< 0.0000200		< 0.0001000	< 0.0000467
Lindane(Gamma-BHC)		< 0.0000200		< 0.0000200		< 0.0001000	< 0.0000467
Tetrachloroethylene	< 0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	< 0.0005
Trichloroethylene	< 0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	< 0.0005

Toxicity (TUA)

Northeast WPCP - Outfall

10/11/2019

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic	<	1
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic	<	1

NE WET Composite

Report: BLS20191121-003  
 Report Date: 11/21/2019

WW191007-006

NEOUT

Composite 24h 10/07/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
1,2,4-Trichlorobenzene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
1,2-Diphenylhydrazine <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2,4,6-Trichlorophenol <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2,4-Dichlorophenol <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2,4-Dimethylphenol <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2,4-Dinitrophenol <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<3.00 <sup>f</sup>	µg/L	3.00	µg/L
2,4-Dinitrotoluene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2,6-Dinitrotoluene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2-Chloronaphthalene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2-Chlorophenol <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
2-Nitrophenol <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
3,3'-Dichlorobenzidine <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<10.0 <sup>f</sup>	µg/L	10.0	µg/L
4,4'-DQ <sup>RD</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:11	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
4,6-Dinitro-o-cresol <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
4-Bromophenyl phenyl ether <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
4-Chlorophenyl phenyl ether <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
4-Nitrophenol <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Acenaphthene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Acenaphthylene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Anthracene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Benidine <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<5.00 <sup>f</sup>	µg/L	5.00	µg/L
Benzo(a)anthracene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Benzo(a)pyrene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Benzo(b)fluoranthene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Benzo(g,h)perylene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Benzo(k)fluoranthene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
bis(2-Chloroethoxy)methane <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
bis(2-Chloroethyl) ether <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
bis(2-Chloroisopropyl) ether <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
bis(2-Ethylhexyl) phthalate <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<3.00 <sup>f</sup>	µg/L	3.00	µg/L
Butyl benzyl phthalate <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Chrysene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Di-n-butyl phthalate <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<3.00 <sup>f</sup>	µg/L	3.00	µg/L
Di-n-octyl phthalate <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Dibenzo(a,h)anthracene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Diethyl phthalate <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Dimethyl phthalate <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Fluoranthene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Fluorene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Hexachlorobenzene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Hexachlorobutadiene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Hexachlorocyclopentadiene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Hexachloroethane <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<10.0 <sup>f</sup>	µg/L	10.0	µg/L
Indeno(1,2,3-cd)pyrene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Isophorone <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
N-Nitrosodi-n-propylamine <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
N-Nitrosodimethylamine <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
N-Nitrosodiphenylamine <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Naphthalene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Nitrobenzene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
p-Chloro-m-creso <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Pentachlorophenol <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Phenanthrene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Phenol <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<5.00 <sup>f</sup>	µg/L	5.00	µg/L
Pyrene <sup>RD</sup>	EPA 625.1	10/8/2019	14:21	10/9/2019	1:27	<1.00 <sup>f</sup>	µg/L	1.00	µg/L

Data Qualifiers:

1,2,4-Trichlorobenzene	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
1,2-Diphenylhydrazine	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.



Dimethyl phthalate	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Fluoranthene	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Fluorene	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachlorobenzene	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachlorobutadiene	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachlorocyclopentadiene	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Hexachloroethane	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Indeno[1,2,3-cd]pyrene	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Isophorone	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
N-Nitrosodi-n-propylamine	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
N-Nitrosodimethylamine	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
N-Nitrosodiphenylamine	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Naphthalene	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Nitrobenzene	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
p-Chloro-m-cresol	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Pentachlorophenol	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Phenanthrene	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Phenol	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.
Pyrene	The recovery of one of the surrogates was outside the acceptance limits. p-Terphenyl-d14 is 35% in the sample which is outside the acceptance limits of 44-124%. Data may be biased low.

WW191009-011

NEOUT

Composite 24h 10/09/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
2-Chloronaphthalene <sup>B,D</sup>	EPA 625.1	10/16/2019	18:30	10/17/2019	3:22	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
4,4'-DDP <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
4,4'-DDE <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
Acrolein <sup>B,D</sup>	EPA 624.1			10/16/2019	0:29	<1.0 <sup>f</sup>	µg/L	1.0	µg/L
Aldrin <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
alpha-BHC <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
Benzidine <sup>B,D</sup>	EPA 625.1	10/16/2019	18:30	10/17/2019	3:22	<5.00 <sup>f</sup>	µg/L	5.00	µg/L
beta-BHC <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
bis[2-Chloroisopropyl] ether <sup>B,D</sup>	EPA 625.1	10/16/2019	18:30	10/17/2019	3:22	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
CBOD5	SM 5210 B	10/9/2019	17:00	10/14/2019	11:00	1.61	mg/L	2	mg/L
Chlordane <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.50 <sup>f</sup>	µg/L	0.50	µg/L
delta-BHC <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
Dieldrin <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
Endosulfan <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
Endosulfan II <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
Endosulfan sulfate <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
Endrin <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
gamma-BHC <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
Heptachlor <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
Heptachlor epoxide <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.02 <sup>f</sup>	µg/L	0.02	µg/L
Hexachloroethane <sup>B,D</sup>	EPA 625.1	10/16/2019	18:30	10/17/2019	3:22	<10.0 <sup>f</sup>	µg/L	10.0	µg/L
Phenols <sup>B,D</sup>	EPA 420.1	10/14/2019	13:50	10/15/2019	11:56	0.060 <sup>f</sup>	mg/L	0.05	mg/L
Pyrene <sup>B,D</sup>	EPA 625.1	10/16/2019	18:30	10/17/2019	3:22	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
Toxaphene <sup>B,D</sup>	EPA 608.3	10/14/2019	7:57	10/16/2019	0:26	<0.50 <sup>f</sup>	µg/L	0.50	µg/L

## Data Qualifiers:

2-Chloronaphthalene	The recovery of LCS is 58%, which is outside the acceptance limits of 65-120%. Results may have greater uncertainty.
4,4'-DDD	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
4,4'-DDE	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
4,4'-DDT	Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Acrolein	The CV for this analyte was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard. The Laboratory Control Sample for the analysis batch associated with this sample was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Aldrin	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
alpha-BHC	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Benzidine	The recovery of LCS is 5%, which is outside the acceptance limits of 10-93%. Results may have greater uncertainty.
beta-BHC	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
bis(2-Chloroisopropyl) ether	The recovery of LCS is 58%, which is outside the acceptance limits of 63-139%. Results may have greater uncertainty.
CBOD5	GGA Recovery is 134.00 mg/L. The acceptance limits are 167.5 to 228.5 mg/L.
Chlordane	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
delta-BHC	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Dieldrin	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endosulfan I	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endosulfan II	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endosulfan sulfate	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endrin	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endrin aldehyde	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
gamma-BHC	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Heptachlor	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Heptachlor epoxide	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Hexachloroethane	The recovery of LCS is 53%, which is outside the acceptance limits of 55-120%. Results may have greater uncertainty.
Phenols	LIMS has appended an extra zero to this value. The result reported by the contract lab is 0.06 mg / L
Pyrene	The recovery of LCS is 69%, which is outside the acceptance limits of 70-120%. Results may have greater uncertainty.
Toxaphene	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 27% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.

WW191011-006

NEOUT

Composite 24h 10/11/2019 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
2-Chloronaphthalene <sup>RD</sup>	EPA 625.1	10/16/2019	18:30	10/17/2019	4:15	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
4,4'-DDT <sup>RD</sup>	EPA 608.3	10/14/2019	7:57	10/15/2019	19:53	<0.10 <sup>f</sup>	µg/L	0.10	µg/L
Ammonia	SM 4500-NH3 D			10/17/2019	8:05	0.008	mg/L as N	0.5	mg/L as N
Benzidine <sup>RD</sup>	EPA 625.1	10/16/2019	18:30	10/17/2019	4:15	<5.00 <sup>f</sup>	µg/L	5.00	µg/L
bis(2-Chloroisopropyl) ether <sup>RD</sup>	EPA 625.1	10/16/2019	18:30	10/17/2019	4:15	<1.00 <sup>f</sup>	µg/L	1.00	µg/L
CBOD5	SM 5210 B	10/11/2019	13:20	10/16/2019	9:35	1.28	mg/L	2	mg/L
Hexachloroethane <sup>RD</sup>	EPA 625.1	10/16/2019	18:30	10/17/2019	4:15	<10.0 <sup>f</sup>	µg/L	10.0	µg/L
Pyrene <sup>RD</sup>	EPA 625.1	10/16/2019	18:30	10/17/2019	4:15	<1.00 <sup>f</sup>	µg/L	1.00	µg/L

## Data Qualifiers:

2-Chloronaphthalene	The recovery of LCS is 58%, which is outside the acceptance limits of 65-120%. Results may have greater uncertainty.
4,4'-DDT	Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard.
Ammonia	The reported value is an estimate because the concentration is less than the minimum reporting limit but greater than the MDL.
Benzidine	The recovery of LCS is 5%, which is outside the acceptance limits of 10-93%. Results may have greater uncertainty.
bis(2-Chloroisopropyl) ether	The recovery of LCS is 58%, which is outside the acceptance limits of 63-139%. Results may have greater uncertainty.
CBOD5	RPD between the sample and sample duplicate is 25.25 %. The maximum acceptable RPD is 20.00 %. The measured results are 1.28 mg/L and 1.65 mg/L.
Hexachloroethane	The recovery of LCS is 53%, which is outside the acceptance limits of 55-120%. Results may have greater uncertainty.

Pyrene	The recovery of LCS is 69%, which is outside the acceptance limits of 70-120%. Results may have greater uncertainty.
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WW191015-013

NEOUT

Composite 24h 10/15/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/15/2019	11:55	10/20/2019	8:33	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 152.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW191025-013

NEOUT

Composite 24h 10/25/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/25/2019	11:00	10/30/2019	8:10	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 242.9 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW191029-013

NEOUT

Composite 24h 10/29/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/29/2019	9:25	11/3/2019	8:00	2.00	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 238.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

11/21/2019



Randy E. Hayman, Water Commissioner

February 28, 2020

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for January 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 01/01/2020-01/31/2020

**Report Due Date:** 02/28/2020

**Submitted By:** Mary Ellen Senss

**Submission Id:** 195503

**Submission Status:** Received

**Submission Type:** Original



# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for January 2020

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - JANUARY 2020 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	
W	01/01/2020	178	254	5	98	7,437	174	6	97	8,925	
Th	01/02/2020	163	216	4	98	5,435	119	5	96	6,794	
F	01/03/2020	168	189	4	98	5,616	145	6	96	8,424	
S	01/04/2020	207	207	8	96	13,817	148	7	95	12,090	
Su	01/05/2020	186	156	6	96	9,294	131	9	93	13,942	
M	01/06/2020	168	217	5	98	6,995	135	5	96	6,995	13
T	01/07/2020	164	189	5	97	6,823	136	5	96	6,823	
W	01/08/2020	174	181	5	97	7,238	154	6	96	8,686	14
Th	01/09/2020	161	161	5	97	6,708	148	6	96	8,050	
F	01/10/2020	160	197	5	97	6,666	178	6	97	7,999	13
S	01/11/2020	158	214	7	97	9,203	138	5	96	6,574	
Su	01/12/2020	173	215	5	98	7,205	172	6	97	8,646	
M	01/13/2020	182	232	6	97	9,099	136	7	95	10,616	20
T	01/14/2020	160	195	4	98	5,321	149	6	96	7,982	
W	01/15/2020	160	203	4	98	5,351	156	4	97	5,351	20
Th	01/16/2020	164	187	5	97	6,856	136	5	96	6,856	
F	01/17/2020	156	247	4	98	5,191	131	5	96	6,489	
S	01/18/2020	152	217	5	98	6,319	169	6	96	7,583	
Su	01/19/2020	205	199	8	96	13,693	146	9	94	15,405	
M	01/20/2020	163	143	5	97	6,781	158	5	97	6,781	15
T	01/21/2020	227	191	5	97	9,482	139	5	96	9,482	
W	01/22/2020	151	198	5	97	6,305	159	6	96	7,566	17
Th	01/23/2020	153	190	5	97	6,392	163	5	97	6,392	
F	01/24/2020	151	229	6	97	7,551	184	7	96	8,809	
S	01/25/2020	150	212	4	98	5,019	156	8	95	10,038	
Su	01/26/2020	305	227	32	86	81,411	146	17	88	43,249	
M	01/27/2020	191	139	6	96	9,533	130	4	97	6,355	15
T	01/28/2020	171	240	5	98	7,120	153	6	96	8,544	
W	01/29/2020	159	207	4	98	5,291	158	3	98	3,968	16
Th	01/30/2020	163	196	4	98	5,445	142	4	97	5,445	
F	01/31/2020	155	198	5	97	6,480	173	5	97	6,480	
S	02/01/2020	160	227	5	98	6,668	167	6	96	8,002	

TOTAL AVERAGE	5,376	6,245				4,662					
	173	201	6	97	9,712	150	6	96	9,269	16	

Wk1	167	186	5	97	7,561	146	6	96	8,438
Wk2	164	206	5	98	6,478	150	6	96	7,646
Wk3	172	198	5	97	7,889	158	6	96	9,210
Wk4	186	207	9	96	17,421	153	6	96	11,721

MAX 305

CBOD 20 LBS-- 22,150

NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - JANUARY 2020**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)				
		N	S							
W 01/01/2020	178	6.9	6.9	6.6	0.26	5				
Th 01/02/2020	163	6.9	6.8	6.4	0.32	4				
F 01/03/2020	168	6.9	6.8	4.3	0.27	7				
S 01/04/2020	207	6.8	6.8	4.7	0.32	3				
Su 01/05/2020	186	6.9	6.9	6.2	0.27	4				
M 01/06/2020	168	6.9	6.9	4.8	0.31	4				
T 01/07/2020	164	6.9	6.8	6.0	0.31	4				
W 01/08/2020	174	6.9	6.8	6.1	0.21	4				
Th 01/09/2020	161	6.9	6.9	6.6	0.25	7				
F 01/10/2020	160	6.9	6.9	6.4	0.25	12				
S 01/11/2020	158	6.9	6.8	6.5	0.32	2				
Su 01/12/2020	173	6.9	6.9	4.7	0.24	547				
M 01/13/2020	182	6.8	6.8	6.3	0.25	8				
T 01/14/2020	160	6.9	6.9	6.6	0.20	9				
W 01/15/2020	160	6.8	6.8	6.5	0.26	4				
Th 01/16/2020	164	6.9	6.8	6.0	0.28	6				
F 01/17/2020	156	6.8	6.8	6.7	0.25	9				
S 01/18/2020	152	6.9	6.9	5.0	0.32	3				
Su 01/19/2020	205	6.9	6.8	4.9	0.28	14				
M 01/20/2020	163	6.9	6.8	6.6	0.38	1				
T 01/21/2020	227	6.9	6.9	6.2	0.36	12				
W 01/22/2020	151	6.9	6.8	6.6	0.30	11				
Th 01/23/2020	153	6.9	6.8	6.7	0.26	4				
F 01/24/2020	151	6.9	6.9	7.0	0.23	5				
S 01/25/2020	150	6.8	6.8	3.9	0.28	42				
Su 01/26/2020	305	6.8	6.8	6.7	0.20	11				
M 01/27/2020	191	6.8	6.8	6.3	0.33	5				
T 01/28/2020	171	6.9	6.9	6.7	0.26	3				
W 01/29/2020	159	6.8	6.8	6.6	0.27	3				
Th 01/30/2020	163	6.8	6.8	6.6	0.34	2				
F 01/31/2020	155	7.0	7.0	6.5	0.27	4				
S 02/01/2020	160	6.9	6.9	6.5	0.29	2				
TOTAL		5,376		MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC MEAN
AVERAGE		173		6.8	7.0	3.9	6.0	0.28	0.38	

Wk1            167  
Wk2            164  
Wk3            172  
Wk4            186

MAX            305

EFFLUENT

NPDES/D            MIN    MAX

LIMITS                6.0    9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - JANUARY 2020  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
01/01/2020	0.31	0.21	0.26	6.5	6.6	6.6	5	4	5
01/02/2020	0.39	0.25	0.32	6.2	6.5	6.4	3	4	4
01/03/2020	0.27	0.26	0.27	4.3	4.2	4.3	8	6	7
01/04/2020	0.27	0.37	0.32	4.4	4.9	4.7	12	1	3
01/05/2020	0.31	0.23	0.27	6.0	6.4	6.2	4	4	4
01/06/2020	0.35	0.26	0.31	4.7	4.9	4.8	5	3	4
01/07/2020	0.33	0.28	0.31	5.8	6.1	6.0	6	3	4
01/08/2020	0.24	0.17	0.21	5.9	6.3	6.1	5	3	4
01/09/2020	0.25	0.25	0.25	6.4	6.8	6.6	9	6	7
01/10/2020	0.25	0.25	0.25	6.2	6.5	6.4	23	6	12
01/11/2020	0.36	0.28	0.32	6.4	6.5	6.5	2	3	2
01/12/2020	0.28	0.19	0.24	4.6	4.7	4.7	613	488	547
01/13/2020	0.28	0.21	0.25	6.2	6.3	6.3	11	6	8
01/14/2020	0.21	0.18	0.20	6.6	6.6	6.6	27	3	9
01/15/2020	0.28	0.24	0.26	6.4	6.5	6.5	5	3	4
01/16/2020	0.34	0.22	0.28	5.9	6.1	6.0	4	10	6
01/17/2020	0.25	0.24	0.25	6.6	6.8	6.7	12	8	9
01/18/2020	0.37	0.27	0.32	4.8	5.1	5.0	6	1	3
01/19/2020	0.35	0.21	0.28	4.7	5.0	4.9	9	24	14
01/20/2020	0.50	0.26	0.38	6.4	6.7	6.6	1	2	1
01/21/2020	0.40	0.31	0.36	6.0	6.4	6.2	11	13	12
01/22/2020	0.33	0.27	0.30	6.4	6.7	6.6	10	12	11
01/23/2020	0.28	0.23	0.26	6.6	6.8	6.7	4	4	4
01/24/2020	0.28	0.18	0.23	6.8	7.1	7.0	4	6	5
01/25/2020	0.34	0.21	0.28	3.9	3.8	3.9	60	30	42
01/26/2020	0.19	0.20	0.20	6.7	6.6	6.7	10	12	11
01/27/2020	0.42	0.23	0.33	6.1	6.4	6.3	5	4	5
01/28/2020	0.23	0.28	0.26	6.5	6.8	6.7	7	1	3
01/29/2020	0.27	0.26	0.27	6.5	6.7	6.6	4	2	3
01/30/2020	0.30	0.38	0.34	6.6	6.6	6.6	3	1	2
01/31/2020	0.32	0.21	0.27	6.3	6.6	6.5	2	6	4
Avg	0.31	0.24	0.28	5.9	6.1	6.0	7	5	6

# PERMIT

## NEWPCP - JANUARY 2020

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
01/01/2020			
01/02/2020			
01/03/2020			
01/04/2020			
01/05/2020			
01/06/2020	137	12	91%
01/07/2020			
01/08/2020	155	14	91%
01/09/2020			
01/10/2020			
01/11/2020			
01/12/2020			
01/13/2020	146	13	91%
01/14/2020			
01/15/2020	173	12	93%
01/16/2020			
01/17/2020			
01/18/2020			
01/19/2020			
01/20/2020	151	14	91%
01/21/2020			
01/22/2020	147	15	90%
01/23/2020			
01/24/2020			
01/25/2020			
01/26/2020			
01/27/2020	134	12	91%
01/28/2020			
01/29/2020	142	7	95%
01/30/2020			
01/31/2020			
AVG	148	12	92%

**DESIGN - 210 MGD**

<b>NEWPCP - JANUARY 2020</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
01/01/2020	47	99	32	178	262	T
01/02/2020	45	92	25	163	203	
01/03/2020	46	93	29	168	283	0.21
01/04/2020	62	105	40	207	307	0.15
01/05/2020	49	100	36	186	253	
01/06/2020	46	93	29	168	205	
01/07/2020	45	90	29	164	199	0.13
01/08/2020	49	93	32	174	286	T
01/09/2020	44	88	29	161	195	
01/10/2020	44	87	29	160	194	
01/11/2020	43	86	28	158	190	
01/12/2020	49	92	32	173	328	0.2
01/13/2020	53	96	33	182	321	
01/14/2020	44	86	29	160	192	0.03
01/15/2020	47	84	30	160	214	T
01/16/2020	46	89	29	164	222	T
01/17/2020	43	84	28	156	190	
01/18/2020	42	82	27	152	183	0.25
01/19/2020	62	103	40	205	318	0.03
01/20/2020	46	88	28	163	203	T
01/21/2020	44	156	27	227	194	
01/22/2020	43	81	28	151	193	
01/23/2020	42	83	28	153	188	
01/24/2020	43	79	29	151	199	
01/25/2020	42	79	29	150	380	1.6
01/26/2020	84	162	59	305	507	
01/27/2020	48	113	29	191	283	
01/28/2020	46	99	26	171	268	
01/29/2020	46	86	27	159	200	
01/30/2020	45	91	27	163	204	
01/31/2020	46	83	26	155	192	0.04
<b>TOTAL</b>	1,482	2,943	952	5,376		2.64
<b>AVG</b>	48	95	31	173		
			<b>MIN</b>	150	183	
			<b>MAX</b>	305	507	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **01/01/2020**  
 DMR Effective To: **01/31/2020**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2020	01	01	TO	2020	01	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	3.9	6.0	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.8	***	7.0	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	9712	17421	lbs/day	***	6	9	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	5.42	6.07	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.528	.812	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.678	3.440	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	7.33	7.70	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	438	.684	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/ month, See attached data qualifier report.								
Chloroform (32106)	Sample Measurement	***	***	***	***	.0021	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	< .050	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0077	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Iron, Total (01045)	Sample Measurement	***	***	***	***	.2190	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.1100	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	< .0030	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0347	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	173	305	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.28	.38	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
	<b>Facility Parameter Comments</b>	6/month								
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
	<b>Facility Parameter Comments</b>	6/month								
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	6	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (60082)	Sample Measurement	9269	11721	lbs/day	***	6	6	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	22150	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
<b>Facility Sampling Point Comments</b>										





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 01/01/2020  
 DMR Effective To: 01/31/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	01	01	TO	2020	01	31

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	97	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
NE WET Testing Composite (02-21-2020).pdf	Laboratory Accreditation Form	2020-02-27T13:39:52-05:00	
202001SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2020-02-27T13:36:15-05:00	
NE Daily Grab (02-21-2020).pdf	Laboratory Accreditation Form	2020-02-27T13:38:52-05:00	
E-NPDES NE202001.xlsx	Daily Effluent Monitoring Form	2020-02-27T13:34:53-05:00	
NE Daily Composite (02-21-2020).pdf	Laboratory Accreditation Form	2020-02-27T13:37:35-05:00	
NECSO 202001.xlsx	CSO Detailed Outfall Report Form	2020-02-27T13:36:51-05:00	
BLSNE202001.xlsx	Nutrient Monitoring Form	2020-02-27T13:35:31-05:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2020	02	27
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



Toxicity (TUA)

Northeast WPCP - Outfall

01/10/2020

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic	<	1
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic	<	1

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>			
JANUARY 2020	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT	
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD		
01/01/2020	0.852	0.869	58.77	1.392	1.593	155.6	
01/02/2020	0.808	0.757	68.51	1.424	1.351	92.6	
01/03/2020	1.659	1.199	106.32	1.019	0.827	75.0	
01/04/2020	0.864	1.071	77.87	1.559	1.646	144.2	
01/05/2020	-	0.262	18.19	1.036	0.917	75.7	
01/06/2020	0.860	0.667	53.30	1.535	1.958	172.8	
01/07/2020	0.872	0.476	36.86	1.075	0.831	76.7	
01/08/2020	0.886	1.156	81.57	1.061	1.364	128.5	
01/09/2020	0.000	0.300	22.70	2.268	2.192	196.7	
01/10/2020	0.855	0.843	63.96	1.479	1.440	130.5	
01/11/2020	0.861	0.937	66.56	1.138	1.198	102.8	
01/12/2020	1.542	1.524	100.75	1.446	1.642	143.6	
01/13/2020	0.895	0.777	86.78	1.620	1.219	94.2	
01/14/2020	0.860	0.587	51.44	1.316	1.120	81.5	
01/15/2020	0.811	0.783	67.14	1.240	1.728	142.3	
01/16/2020	0.865	0.576	52.08	1.212	0.788	71.3	
01/17/2020	0.849	1.556	115.52	1.054	1.313	114.2	
01/18/2020	0.826	0.821	74.45	1.271	1.189	99.9	
01/19/2020	0.853	0.936	90.72	1.594	1.772	167.1	
01/20/2020	0.863	0.748	60.18	1.600	1.342	110.7	
01/21/2020	-			1.574	1.790	146.6	
01/22/2020	1.715	1.332	119.09	0.833	1.118	83.1	
01/23/2020	0.748	1.291	68.25	0.732	0.448	42.0	
01/24/2020	0.885	0.620	36.95	1.404	0.976	65.5	
01/25/2020	0.879	0.545	39.93	1.676	1.853	141.7	
01/26/2020	0.895	1.183	92.11	1.449	1.554	127.7	
01/27/2020	0.818	0.841	67.75	1.065	0.592	46.3	
01/28/2020	0.873	1.220	104.68	1.643	1.993	169.6	
01/29/2020	0.816	0.971	81.09	1.153	0.770	64.1	
01/30/2020	0.877	0.927	82.66	1.719	2.102	189.1	
01/31/2020	0.877	0.792	86.56	1.719	2.212	205.7	
<b>TOTAL</b>	26.263	26.569	2,133	42.305	42.839	3,657	
<b>AVERAGE</b>	0.847	0.886	71	1.365	1.382	118	

NE Daily Composite

WW200102-013

NEOUT

Composite 24h 01/02/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/2/2020	9:30	1/7/2020	10:17	5.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200106-033

NEOUT

Composite 24h 01/05/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/5/2020	12:15	1/10/2020	7:20	9.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in two blanks was 0.21 and 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200108-013

NEOUT

Composite 24h 01/08/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/8/2020	9:00	1/13/2020	8:45	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.64 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200110-006

NEOUT

Composite 24h 01/10/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/10/2020	12:20	1/15/2020	8:25	2.83	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	GGA recovery is 138.00 mg/L. The acceptance limits are 167.5 to 228.5mg/L.
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WW200114-013

NEOUT

Composite 24h 01/14/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/14/2020	8:45	1/19/2020	8:30	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200115-015

NEOUT

Composite 24h 01/15/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/15/2020	10:25	1/20/2020	6:45	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200116-013

NEOUT

Composite 24h 01/16/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/16/2020	9:08	1/21/2020	7:48	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in three blanks was 0.21, 0.25 and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200118-013

NEOUT

Composite 24h 01/18/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/18/2020	13:05	1/23/2020	7:25	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 240.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
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WW200120-014

NEOUT

Composite 24h 01/20/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	1/20/2020	8:25	1/20/2020	10:32	5	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
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WW200122-015

NEOUT

Composite 24h 01/22/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	1/22/2020	9:50	2/11/2020	8:00	17	mg/L	2.0	mg/L
CBOD5	SM 5210 B	1/22/2020	9:58	1/27/2020	7:20	6	mg/L	2.0	mg/L
TKN	SM 4500 Norg D	1/23/2020	13:20	1/24/2020	10:09	7.70	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 233.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 233.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
TKN	Laboratory Fortified Matrix (LFM) recovery is 112.5%. Acceptance limits are 90 to 110%.

WW200123-013

NEOUT

Composite 24h 01/23/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/23/2020	9:43	1/28/2020	6:47	5	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	1/23/2020	8:35	1/23/2020	10:54	5	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 232.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.49 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.

WW200127-014

NEOUT

Composite 24h 01/27/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/27/2020	9:40	2/1/2020	7:05	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
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WW200128-013

NEOUT

Composite 24h 01/28/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/28/2020	9:11	2/2/2020	10:05	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 238 mg/L. Acceptance limits are 167.5 to 228.5 mg/L
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature:

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

2/21/2020

NE Daily Grab

WW200117-001 NEOUTN

Grab 01/17/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			1/17/2020	9:35	0.25	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Quality Control Sample (QCS) recovery is 111%. Acceptance limits are 90 to 110%.
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WW200117-002 NEOUTS

Grab 01/17/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			1/17/2020	9:35	0.24	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Quality Control Sample (QCS) recovery is 111%. Acceptance limits are 90 to 110%.
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WW200118-001 NEOUTN

Grab 01/18/2020 09:23

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colliert-18/Quantitray)	Colliert 18/Quantitr			1/19/2020	8:34	6.3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colliert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.799. The maximum acceptable PCV is 0.403. The measured results were 6.3 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200118-002 NEOUTS

Grab 01/18/2020 09:26

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colliert-18/Quantitray)	Colliert 18/Quantitr			1/19/2020	8:34	1.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colliert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.799. The maximum acceptable PCV is 0.403. The measured results were 6.3 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200124-001 NEOUTN

Grab 01/24/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colliert-18/Quantitray)	Colliert 18/Quantitray			1/25/2020	7:53	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colliert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.4914. The maximum acceptable PCV is 0.403. The measured results were 3.1 MPN/100mL and <1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200124-002 NEOUTS

Grab 01/24/2020 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colliert-18/Quantitray)	Colliert 18/Quantit			1/25/2020	7:53	6.3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colliert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.4914. The maximum acceptable PCV is 0.403. The measured results were 3.1 MPN/100mL and <1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200128-001 NEOUTN

Grab 01/28/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colliert-18/Quantitray)	Colliert 18/Quantitray			1/29/2020	8:08	7.4	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:



Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.4914. The maximum acceptable PCV is 0.403. The measured results were 3.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200128-002

NEOUTS

Grab 01/28/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18 /Quantit			1/29/2020	8:08	1.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.4914. The maximum acceptable PCV is 0.403. The measured results were 3.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
--	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

2/21/2020



Randy E. Hayman, Water Commissioner

March 27, 2020

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for February 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 02/01/2020-02/29/2020

**Report Due Date:** 03/28/2020

**Submitted By:** Mary Ellen Senss

**Submission Id:** 199628

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for February 2020

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

**PERMIT  
NEWPCP - FEBRUARY 2020  
COMPOSITE SAMPLES**

	DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS			LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD <sub>5</sub>		LBS	CBOD 20 (mg/L)
				EFF (mg/L)	SS% REM	SS%** REM					CBOD5 %REM	CBOD5** %REM		
S	02/01/2020	160	228	5	98	6,664		167	6	96		7,997		
Su	02/02/2020	162	51	6	88	8,100		111	5	95		6,750		
M	02/03/2020	168	137	5	96	6,985		151	7	95		9,779	26	
T	02/04/2020	151	153	4	97	5,038		137	4	97		5,038		
W	02/05/2020	162	232	4	98	5,391		144	3	98		4,043	20	
Th	02/06/2020	198	217	8	96	13,237		104	6	94		9,928		
F	02/07/2020	241	169	11	93	22,135		94	10	89		20,123		
S	02/08/2020	205	193	7	96	11,980		120	6	95		10,269		
Su	02/09/2020	268	166	4	98	8,944		142	4	97		8,944		
M	02/10/2020	160	190	5	97	6,687		128	4	97		5,350	12	
T	02/11/2020	225	189	7	96	13,114		115	7	94		13,114		
W	02/12/2020	331	119	10	92	27,597		107	6	94		16,558	15	
Th	02/13/2020	197	155	6	96	9,881		122	5	96		8,234		
F	02/14/2020	207	141	10	93	17,255		97	4	96		6,902		
S	02/15/2020	163	212	3	99	4,082		135	4	97		5,443		
Su	02/16/2020	166	268	4	99	5,529		143	4	97		5,529		
M	02/17/2020	167	171	6	96	8,337		138	4	97		5,558	14	
T	02/18/2020	166	178	6	97	8,292		141	4	97		5,528		
W	02/19/2020	163	199	3	98	4,089		133	4	97		5,452	14	
Th	02/20/2020	160	222	5	98	6,656		150	4	97		5,325		
F	02/21/2020	159	204	6	97	7,962		147	4	97		5,308		
S	02/22/2020	158	197	3	98	3,965		147	3	98		3,965		
Su	02/23/2020	162	202	4	98	5,401		169	4	98		5,401		
M	02/24/2020	161	190	4	98	5,370		159	4	97		5,370	14	
T	02/25/2020	160	224	4	98	5,327		127	4	97		5,327		
W	02/26/2020	190	243	9	96	14,273		181	7	96		11,101	26	
Th	02/27/2020	211	142	8	94	14,097		122	6	95		10,573		
F	02/28/2020	169	165	5	97	7,034		132	5	96		7,034		
S	02/29/2020	160	206	6	97	7,999		138	4	97		5,333		

TOTAL	5,349	5,364						3,899						
AVERAGE	184	185	6	96		9,359		134	5	96		7,768		18

Wk1	184	165	6	95		10,409		123	6	95		9,418	
Wk2	222	167	6	96		12,509		121	5	96		9,221	
Wk3	163	206	5	98		6,404		142	4	97		5,238	
Wk4	173	196	6	97		8,500		147	5	97		7,163	

MAX 331

CBOD 20 LBS-- 27,410

NPDES/D  
LIMITS

MO	<30	>85	<52,540	<25	>86	<36,430
WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - FEBRUARY 2020**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
S 02/01/2020	160	6.8	6.9	6.2	0.27	5		
Su 02/02/2020	162	6.8	6.8	5.1	0.38	2		
M 02/03/2020	168	6.9	6.9	4.8	0.34	4		
T 02/04/2020	151	6.7	6.7	4.9	0.29	4		
W 02/05/2020	162	6.9	6.8	4.9	0.32	2		
Th 02/06/2020	198	6.9	6.8	4.5	0.30	32		
F 02/07/2020	241	6.7	6.6	5.2	0.25	6		
S 02/08/2020	205	6.8	6.8	6.8	0.32	2		
Su 02/09/2020	268	6.8	6.8	7.0	0.41	1		
M 02/10/2020	160	6.7	6.7	6.8	0.25	8		
T 02/11/2020	225	6.7	6.7	5.0	0.32	37		
W 02/12/2020	331	6.8	6.8	7.3	0.20	2		
Th 02/13/2020	197	6.8	6.7	5.8	0.27	5		
F 02/14/2020	207	6.7	6.7	6.7	0.31	2		
S 02/15/2020	163	6.8	6.7	6.4	0.24	4		
Su 02/16/2020	166	6.8	6.8	5.5	0.31	5		
M 02/17/2020	167	6.8	6.8	4.9	0.37	8		
T 02/18/2020	166	6.8	6.8	4.8	0.28	9		
W 02/19/2020	163	6.7	6.7	5.2	0.25	7		
Th 02/20/2020	160	6.8	6.7	6.7	0.26	4		
F 02/21/2020	159	6.8	6.7	6.8	0.42	1		
S 02/22/2020	158	6.8	6.9	6.7	0.28	1		
Su 02/23/2020	162	6.9	6.8	6.8	0.32	2		
M 02/24/2020	161	6.8	6.7	6.5	0.26	2		
T 02/25/2020	160	6.8	6.8	6.5	0.25	2		
W 02/26/2020	190	6.8	6.8	6.6	0.23	2		
Th 02/27/2020	211	6.7	6.6	6.1	0.26	22		
F 02/28/2020	169	6.9	6.8	6.7	0.26	1		
S 02/29/2020	160	6.8	6.8	6.8	0.28	1		
TOTAL	5,349	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	184	6.6	6.9	4.5	6.0	0.29	0.42	MEAN
								4

Wk1 184  
Wk2 222  
Wk3 163  
Wk4 173

**MAX** 331

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - FEBRUARY 2020  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
02/01/2020	0.29	0.24	0.27	6.1	6.3	6.2	4	5	5
02/02/2020	0.42	0.33	0.38	5.0	5.2	5.1	2	3	2
02/03/2020	0.39	0.28	0.34	4.6	4.9	4.8	5	3	4
02/04/2020	0.36	0.22	0.29	4.8	4.9	4.9	4	3	4
02/05/2020	0.36	0.28	0.32	4.7	5.1	4.9	2	2	2
02/06/2020	0.35	0.24	0.30	4.5	4.5	4.5	29	36	32
02/07/2020	0.22	0.28	0.25	5.1	5.2	5.2	7	4	6
02/08/2020	0.32	0.31	0.32	6.7	6.8	6.8	2	3	2
02/09/2020	0.44	0.37	0.41	6.9	7.1	7.0	1	2	1
02/10/2020	0.29	0.21	0.25	6.7	6.8	6.8	9	8	8
02/11/2020	0.34	0.29	0.32	5.0	5.0	5.0	42	33	37
02/12/2020	0.22	0.17	0.20	7.2	7.3	7.3	1	4	2
02/13/2020	0.29	0.24	0.27	5.7	5.8	5.8	6	4	5
02/14/2020	0.39	0.23	0.31	6.7	6.7	6.7	1	3	2
02/15/2020	0.30	0.18	0.24	6.2	6.5	6.4	4	4	4
02/16/2020	0.37	0.24	0.31	5.3	5.6	5.5	5	4	5
02/17/2020	0.49	0.25	0.37	4.8	4.9	4.9	10	7	8
02/18/2020	0.33	0.23	0.28	4.6	4.9	4.8	11	8	9
02/19/2020	0.26	0.23	0.25	5.1	5.2	5.2	10	5	7
02/20/2020	0.29	0.22	0.26	6.7	6.6	6.7	3	4	4
02/21/2020	0.50	0.34	0.42	6.7	6.8	6.8	1	2	1
02/22/2020	0.32	0.23	0.28	6.6	6.7	6.7	<	2	1
02/23/2020	0.44	0.20	0.32	6.7	6.9	6.8	<	3	2
02/24/2020	0.47	0.05	0.26	6.5	6.5	6.5	2	3	2
02/25/2020	0.33	0.17	0.25	6.4	6.6	6.5	2	2	2
02/26/2020	0.26	0.19	0.23	6.5	6.6	6.6	3	2	2
02/27/2020	0.26	0.26	0.26	5.9	6.2	6.1	38	12	22
02/28/2020	0.30	0.21	0.26	6.5	6.8	6.7	2	<	1
02/29/2020	0.28	0.27	0.28	6.6	6.9	6.8	1	1	1
Avg	0.34	0.24	0.29	5.9	6.0	6.0	4	4	4

# PERMIT

## NEWPCP - FEBRUARY 2020

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
02/01/2020			
02/02/2020			
02/03/2020	128	15	88%
02/04/2020			
02/05/2020	124	12	90%
02/06/2020			
02/07/2020			
02/08/2020			
02/09/2020			
02/10/2020	134	9	93%
02/11/2020			
02/12/2020	107	18	83%
02/13/2020			
02/14/2020			
02/15/2020			
02/16/2020			
02/17/2020	142	14	90%
02/18/2020			
02/19/2020	140	4	97%
02/20/2020			
02/21/2020			
02/22/2020			
02/23/2020			
02/24/2020	161	12	93%
02/25/2020			
02/26/2020	184	17	91%
02/27/2020			
02/28/2020			
02/29/2020			
AVG	140	13	91%

**DESIGN - 210 MGD**

<b>NEWPCP - FEBRUARY 2020</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
02/01/2020	48	84	28	160	242	0.05
02/02/2020	48	86	27	162	213	T
02/03/2020	48	90	30	168	202	
02/04/2020	45	79	27	151	191	0.1
02/05/2020	48	84	29	162	250	0.05
02/06/2020	63	96	39	198	390	0.47
02/07/2020	78	118	45	241	369	0.23
02/08/2020	63	103	39	205	391	
02/09/2020	69	128	71	268	204	
02/10/2020	47	87	27	160	203	0.26
02/11/2020	70	115	40	225	407	0.43
02/12/2020	71	160	100	331	390	0.06
02/13/2020	58	104	35	197	311	0.22
02/14/2020	59	114	34	207	346	
02/15/2020	46	94	23	163	212	
02/16/2020	47	92	26	166	204	
02/17/2020	47	93	27	167	206	
02/18/2020	47	93	26	166	215	
02/19/2020	47	89	28	163	201	
02/20/2020	45	86	28	160	201	
02/21/2020	46	86	27	159	205	
02/22/2020	45	86	27	158	192	
02/23/2020	46	89	27	162	202	
02/24/2020	47	86	28	161	203	
02/25/2020	45	86	28	160	194	0.17
02/26/2020	57	98	36	190	314	0.21
02/27/2020	68	106	38	211	400	0.21
02/28/2020	51	90	27	169	261	T
02/29/2020	45	91	24	160	194	
<b>TOTAL</b>	<b>1,544</b>	<b>2,814</b>	<b>967</b>	<b>5,190</b>		<b>2.46</b>
<b>AVG</b>	<b>53</b>	<b>97</b>	<b>34</b>	<b>184</b>		
			<b>MIN</b>	<b>151</b>	<b>191</b>	
			<b>MAX</b>	<b>331</b>	<b>407</b>	

\* ADJUSTED FOR RECYCLE.





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **02/01/2020**  
 DMR Effective To: **02/29/2020**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2020	02	01	TO	2020	02	29

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	4.5	6.0	***	mg/L	1/day	Grab	
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab	
pH (00400)	Sample Measurement	***	***	***	6.6	***	6.9	S.U.	1/day	Grab	
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab	
Total Suspended Solids (00530)	Sample Measurement	9359	12509	lbs/day	***	6	6	mg/L	1/day	24-Hr Composite	
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite	
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	4.56	6.04	mg/L	1/week	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite	
Nitrite an N (00615)	Sample Measurement	***	***	***	***	432	469	mg/L	1/week	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite	
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.540	2.810	mg/L	1/week	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite	
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	6.73	7.93	mg/L	1/week	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite	
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.521	.658	mg/L	1/week	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite	
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab	
Chloroform (32106)	Sample Measurement	***	***	***	***	.0040	***	mg/L	1/month	Grab	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab	
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	.050	***	mg/L	1/month	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite	
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab	
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0090	***	mg/L	1/month	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite	
Iron, Total (01045)	Sample Measurement	***	***	***	***	.1420	***	mg/L	1/month	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite	
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0500	***	mg/L	1/month	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite	
Lead, Total (01051)	Sample Measurement	***	***	***	***	< .0030	***	mg/L	1/month	24-Hr Composite	
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite	
<b>Facility Parameter Comments</b>		See attached data qualifier report.									



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total (01092)	Sample Measurement	***	***	***	***	.1320	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	184	331	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.29	.42	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	4	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	7768	9418	lbs/day	***	5	6	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	27410	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 02/01/2020  
 DMR Effective To: 02/29/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	02	01	TO	2020	02	29

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**BUREAU OF CLEAN WATER**  
**DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
E-NPDES NE202002.xlsx	Daily Effluent Monitoring Form	2020-03-26T11:32:31-04:00	
NE Daily Grab (03-23-2020).pdf	Laboratory Accreditation Form	2020-03-26T11:31:15-04:00	
NE Daily Composite (03-23-2020).pdf	Laboratory Accreditation Form	2020-03-26T11:28:53-04:00	
BLSNE202002.xlsx	Nutrient Monitoring Form	2020-03-26T11:33:54-04:00	
202002SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2020-03-26T11:34:57-04:00	
NECSO 202002.xlsx	CSO Detailed Outfall Report Form	2020-03-26T11:31:50-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. A flow in excess of 315 MGD qualified for permit relief on the 12th of the month but was not used in compliance reporting. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2020	03	26
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

Northeast Water Pollution Control Plant

**NPDES SUMMARY FOR THE MONTH OF FEBRUARY 2020**

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
02/05/2020	0.469	2.450	6.04	7.93	0.441
02/12/2020	0.340	2.810	2.66	5.22	0.410
02/19/2020	0.465	2.690	4.21	6.67	0.575
02/26/2020	0.455	2.210	5.31	7.11	0.658
<b>AVG</b>	0.432	2.540	4.56	6.73	0.521
<b>MAX</b>	0.469	2.810	6.04	7.93	0.658

**Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
02/05/2020	0.050

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	02/05/2020
Copper	0.0090
Iron	0.1420
Iron Dissolved	0.0500
Lead	< 0.0030
Zinc	0.1320

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	02/04/2020
1,2-Dichloroethane	< 0.0005
Chloroform	0.0040
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>			
FEBRUARY 2020	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT	
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD		
02/01/2020	0.883	0.865	75.46	1.063	1.105	139.1	
02/02/2020	0.836	0.862	72.97	1.375	1.434	113.8	
02/03/2020	0.834	0.798	61.01	1.705	1.956	183.2	
02/04/2020	0.827	0.174	12.62	1.686	1.490	149.1	
02/05/2020	0.818	0.813	69.12	0.999	1.236	111.8	
02/06/2020	0.872	1.434	124.32	1.509	1.490	106.3	
02/07/2020	0.821	0.931	75.03	1.446	0.694	56.0	
02/08/2020	1.712	0.926	80.88	1.669	1.697	142.3	
02/09/2020	0.474	0.968	72.90	1.308	1.937	151.0	
02/10/2020	1.244	0.905	134.60	1.629	1.901	167.3	
02/11/2020	0.874	1.225	105.42	0.683	0.345	26.2	
02/12/2020	-	0.299	21.95	2.173	2.097	164.4	
02/13/2020	1.771	1.003	83.91	1.583	1.794	163.2	
02/14/2020	0.912	1.727	142.79	0.968	0.898	78.9	
02/15/2020	0.895	0.894	77.32	1.473	1.509	128.6	
02/16/2020	0.910	0.841	64.04	1.645	1.390	103.8	
02/17/2020	0.851	0.864	59.10	1.576	1.584	123.0	
02/18/2020	1.724	1.391	122.12	1.516	1.559	120.3	
02/19/2020	0.884	0.976	81.65	1.570	1.460	133.8	
02/20/2020	0.833	1.025	79.36	1.135	1.049	83.0	
02/21/2020	0.903	1.000	70.49	1.185	1.131	83.3	
02/22/2020	-			1.332	1.719	125.9	
02/23/2020	1.726	1.385	188.07	1.473	1.688	127.4	
02/24/2020	0.862	0.337	23.35	1.050	0.459	36.1	
02/25/2020	-	0.850	62.02	1.255	1.585	116.8	
02/26/2020	1.746	0.936	60.54	1.520	1.611	116.1	
02/27/2020	0.904	1.334	95.99	1.621	1.462	105.9	
02/28/2020	0.868	1.219	91.87	1.563	1.366	105.4	
02/29/2020	0.856			1.901	-		
<b>TOTAL</b>	26.839	25.980	2,209	41.608	39.644	3,262	
<b>AVERAGE</b>	0.925	0.962	82	1.435	1.367	116	

NE Daily Composite

WW200205-016

NEOUT

Composite 24h 02/05/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	2/5/2020	10:03	2/25/2020	8:00	20	mg/L	2.0	mg/L
CBOD5	SM 5210 B	2/5/2020	10:03	2/10/2020	7:45	3	mg/L	2.0	mg/L
Phenols <sup>B</sup>	EPA 420.1	2/12/2020	11:37	2/13/2020	11:30	0.050 <sup>B</sup>	mg/L	0.05	mg/L

Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in three blanks was 0.27, 0.26, and 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in three blanks was 0.27, 0.26, and 0.27 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Phenols	The Matrix Spike associated with this sample is below established acceptance criteria, indicating potential matrix interference. Results of this sample may be biased low.

WW200209-013

NEOUT

Composite 24h 02/09/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	2/9/2020	7:38	2/9/2020	9:43	4	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 68%. Acceptance limits are 85 to 115%.
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WW200210-014

NEOUT

Composite 24h 02/10/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	2/10/2020	7:35	2/10/2020	9:43	5	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW200212-015

NEOUT

Composite 24h 02/12/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	2/12/2020	7:43	2/12/2020	9:50	10	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
------------------------	--

WW200213-013

NEOUT

Composite 24h 02/13/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	2/13/2020	8:04	2/13/2020	10:13	6	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
------------------------	--

WW200217-014

NEOUT

Composite 24h 02/17/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	2/17/2020	13:31	3/8/2020	6:35	14	mg/L	2.0	mg/L
CBOD5	SM 5210 B	2/17/2020	13:31	2/22/2020	8:05	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.

C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

Name:

Gary Burlingame

Title:

Laboratory Director

Date:

3/23/2020



NE Daily Grab

Report: BLS20200323-002  
 Report Date: 03/23/2020

WW200208-001

NEOUTN

Grab 02/08/2020 09:22

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantitray			2/9/2020	7:23	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.477. The maximum acceptable PCV is 0.403. The measured results were 3.0 MPN/100mL and 1.0 MPN/100mL. The PCV of 0.403 was exceeded.
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WW200208-002

NEOUTS

Grab 02/08/2020 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantitray			2/9/2020	7:23	3.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.477. The maximum acceptable PCV is 0.403. The measured results were 3.0 MPN/100mL and 1.0 MPN/100mL. The PCV of 0.403 was exceeded.
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WW200215-001

NEOUTN

Grab 02/15/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitr			2/16/2020	8:12	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.403. The measured results were 1.0 MPN/100mL and 4.1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
---	---

WW200215-002

NEOUTS

Grab 02/15/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitr			2/16/2020	8:12	4.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.403. The measured results were 1.0 MPN/100mL and 4.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
---	---

WW200221-001

NEOUTN

Grab 02/21/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitr			2/22/2020	8:27	1.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.48. The maximum acceptable PCV is 0.403. The measured results were 2.0 MPN/100mL and <1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200221-002

NEOUTS

Grab 02/21/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitr			2/22/2020	8:27	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.48. The maximum acceptable PCV is 0.403. The measured results were 2.0 MPN/100mL and <1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200228-001

NEOUTN

Grab 02/28/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
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Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitr			2/29/2020	8:46	2.0	MPN/100 mL	<1	MPN/100 mL
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Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.477. The maximum acceptable PCV is 0.403. The measured results were 2.0 MPN/100mL and <1 MPN/100mL for SEOUTN. The precision criteria value was exceeded.
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WW200228-002

NEOUTS

Grab 02/28/2020 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitr			2/29/2020	8:46	<1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.477. The maximum acceptable PCV is 0.403. The measured results were 2.0 MPN/100mL and <1 MPN/100mL for SEOUTN. The precision criteria value was exceeded.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
Signature: \_\_\_\_\_  
Name: Gary Burlingame  
Title: Laboratory Director  
Date: 3/23/2020



Randy E. Hayman, Water Commissioner

April 27, 2020

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for March 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 03/01/2019-03/31/2019

**Report Due Date:** 04/28/2019

**Submitted By:** Mary Ellen Senss

**Submission Id:** 146109

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for March 2020

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - MARCH 2020 COMPOSITE SAMPLES

	DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS			CBOD <sub>5</sub>			CBOD 20 (mg/L)					
				EFF (mg/L)	SS% REM	SS%** REM	LBS	LBS***	INF* (mg/L)		EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	LBS	LBS***
Su	03/01/2020	158	165	5	97		6,585		144	3	98		3,951		
M	03/02/2020	160	290	4	99		5,343		142	5	96		6,678		12
T	03/03/2020	163	205	4	98		5,446		128	4	97		5,446		
W	03/04/2020	201	221	14	94		23,520		144	8	94		13,440		19
Th	03/05/2020	149	155	5	97		6,221		146	4	97		4,977		
F	03/06/2020	149	182	4	98		4,969		141	3	98		3,727		
S	03/07/2020	202	126	19	85		32,028		138	12	91		20,228		
Su	03/08/2020	150	167	7	96		8,780		148	6	96		7,526		
M	03/09/2020	156	200	9	95		11,739		137	8	94		10,434		19
T	03/10/2020	148	196	11	94		13,607		129	6	95		7,422		
W	03/11/2020	149	204	7	97		8,697		151	5	97		6,212		13
Th	03/12/2020	149	165	9	95		11,166		142	7	95		8,684		
F	03/13/2020	159	194	11	94		14,612		147	5	97		6,642		
S	03/14/2020	188	222	38	83		59,517		165	17	90		26,626		
Su	03/15/2020	158	178	12	93		15,842		140	8	94		10,561		
M	03/16/2020	147	202	11	95		13,499		152	6	96		7,363		15
T	03/17/2020	146	226	17	92		20,737		142	9	94		10,978		
W	03/18/2020	148	167	14	92		17,311		158	9	94		11,128		24
Th	03/19/2020	217	237	57	76		103,014		176	26	85		46,989		
F	03/20/2020	195	213	18	92		29,226		116	9	92		14,613		
S	03/21/2020	153	194	9	95		11,455		141	7	95		8,910		
Su	03/22/2020	151	185	12	94		15,152		154	8	95		10,101		
M	03/23/2020	148	225	14	94		17,272		138	8	94		9,870		24
T	03/24/2020	272	164	60	63		135,896		106	31	71		70,213		
W	03/25/2020	163	130	11	92		14,935		134	8	94		10,862		19
Th	03/26/2020	163	116	11	91		14,950		134	7	95		9,514		
F	03/27/2020	159	145	12	92		15,900		139	10	93		13,250		
S	03/28/2020	156	228	13	94		16,912		207	30	86		39,028		
Su	03/29/2020	287	133	13	90		31,115		86	9	90		21,541		23
M	03/30/2020	175	130	4	97		5,854		118	5	96		7,318		
T	03/31/2020	191	190	8	96		12,757		136	8	94		12,757		17

TOTAL AVERAGE	5,312	5,758							4,377							
	171	186	14	92		22,711		141	9	93		14,419				19

Wk1	169	192	8	95		12,016		140	6	96		8,350		
Wk2	157	193	13	93		18,302		145	8	95		10,507		
Wk3	166	203	20	91		30,155		146	11	93		15,792		
Wk4	173	171	19	88		33,003		145	15	90		23,263		

MAX	287
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CBOD 20 LBS--	27,453
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NPDES/D  
LIMITS

MO	<30	>85	<52,540
WK	<45		<78,810

<25	>86	<36,430
<40		<54,645

CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - MARCH 2020**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
Su 03/01/2020	158	6.8	6.7	7.1	0.31	1		
M 03/02/2020	160	6.8	6.8	5.7	0.39	1		
T 03/03/2020	163	6.8	6.8	5.2	0.31	3		
W 03/04/2020	201	6.6	6.6	5.1	0.17	17		
Th 03/05/2020	149	6.8	6.8	5.3	0.19	10		
F 03/06/2020	149	6.8	6.8	5.0	0.30	5		
S 03/07/2020	202	6.7	6.6	6.4	0.25	6		
Su 03/08/2020	150	6.9	6.8	7.0	0.33	1		
M 03/09/2020	156	6.8	6.8	6.6	0.30	1		
T 03/10/2020	148	6.9	6.9	6.6	0.31	2		
W 03/11/2020	149	6.8	6.8	6.7	0.26	1		
Th 03/12/2020	149	6.9	6.8	6.2	0.41	1		
F 03/13/2020	159	6.9	6.8	3.6	0.30	863		
S 03/14/2020	188	6.8	6.8	6.8	0.20	2		
Su 03/15/2020	158	6.9	6.8	6.2	0.41	1		
M 03/16/2020	147	6.9	6.9	5.0	0.37	4		
T 03/17/2020	146	6.9	6.8	4.9	0.38	4		
W 03/18/2020	148	6.8	6.8	5.2	0.29	2		
Th 03/19/2020	217	6.4	6.4	4.9	0.54	12		
F 03/20/2020	195	6.8	6.8	6.5	0.29	2		
S 03/21/2020	153	6.9	6.9	6.7	0.28	4		
Su 03/22/2020	151	6.9	6.9	6.7	0.22	8		
M 03/23/2020	148	6.9	6.9	6.3	0.27	5		
T 03/24/2020	272	6.8	6.8	7.1	0.31	5		
W 03/25/2020	163	6.8	6.8	6.6	0.28	3		
Th 03/26/2020	163	6.9	6.9	6.6	0.29	5		
F 03/27/2020	159	6.9	6.9	6.3	0.25	5		
S 03/28/2020	156	6.9	6.9	6.4	0.26	6		
Su 03/29/2020	287	6.8	6.8	6.8	0.25	6		
M 03/30/2020	175	6.9	6.9	5.7	0.26	5		
T 03/31/2020	191	6.7	6.7	5.1	0.20	16		
TOTAL	5,312	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	171	6.4	6.9	3.6	6.0	0.29	0.54	MEAN
								4

Wk1 169  
Wk2 157  
Wk3 166  
Wk4 173

**MAX** 287

	EFFLUENT	GEO
NPDES/D	MIN MAX	MEAN
LIMITS	6.0 9.0	<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - MARCH 2020  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)	
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)		
03/01/2020	0.40	0.22	0.31	7.1	7.1	7.1	1	<	1	1
03/02/2020	0.55	0.23	0.39	5.6	5.7	5.7	1		1	1
03/03/2020	0.35	0.27	0.31	4.8	5.5	5.2	4		2	3
03/04/2020	0.20	0.13	0.17	4.9	5.3	5.1	44		6	17
03/05/2020	0.14	0.23	0.19	5.1	5.4	5.3	36		3	10
03/06/2020	0.36	0.24	0.30	5.0	5.0	5.0	5		4	5
03/07/2020	0.23	0.26	0.25	6.2	6.5	6.4	11		3	6
03/08/2020	0.39	0.26	0.33	7.0	6.9	7.0	1		2	1
03/09/2020	0.33	0.27	0.30	6.5	6.6	6.6	1		2	1
03/10/2020	0.35	0.27	0.31	6.7	6.5	6.6	2		3	2
03/11/2020	0.29	0.22	0.26	6.5	6.8	6.7	<	1	1	1
03/12/2020	0.46	0.35	0.41	6.1	6.3	6.2	1		1	1
03/13/2020	0.41	0.18	0.30	3.9	3.3	3.6	308	>	2,420	863
03/14/2020	0.21	0.19	0.20	6.6	7.0	6.8	3		1	2
03/15/2020	0.47	0.35	0.41	6.2	6.2	6.2	<	1	1	1
03/16/2020	0.45	0.29	0.37	4.9	5.0	5.0	4		3	4
03/17/2020	0.32	0.44	0.38	4.8	5.0	4.9	6		3	4
03/18/2020	0.28	0.29	0.29	5.2	5.2	5.2	2		3	2
03/19/2020	0.62	0.45	0.54	4.9	4.9	4.9	11		14	12
03/20/2020	0.24	0.33	0.29	6.5	6.4	6.5	3		2	2
03/21/2020	0.28	0.28	0.28	6.6	6.7	6.7	4		3	4
03/22/2020	0.21	0.22	0.22	6.6	6.7	6.7	8		7	8
03/23/2020	0.24	0.29	0.27	6.3	6.3	6.3	13		2	5
03/24/2020	0.22	0.39	0.31	6.9	7.3	7.1	5		4	5
03/25/2020	0.29	0.27	0.28	6.6	6.5	6.6	2		4	3
03/26/2020	0.28	0.29	0.29	6.4	6.8	6.6	10		3	5
03/27/2020	0.24	0.25	0.25	6.3	6.3	6.3	12		2	5
03/28/2020	0.24	0.27	0.26	6.3	6.4	6.4	11		3	6
03/29/2020	0.21	0.28	0.25	6.6	7.0	6.8	12		3	6
03/30/2020	0.29	0.23	0.26	5.6	5.8	5.7	4		7	5
03/31/2020	0.23	0.17	0.20	5.0	5.1	5.1	20		13	16
Avg	0.32	0.27	0.29	5.9	6.0	6.0	5		3	4

# PERMIT

## NEWPCP - MARCH 2020

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
03/01/2020			
03/02/2020	133	12	91%
03/03/2020			
03/04/2020	144	30	79%
03/05/2020			
03/06/2020			
03/07/2020			
03/08/2020			
03/09/2020	138	15	89%
03/10/2020			
03/11/2020	184	20	89%
03/12/2020			
03/13/2020			
03/14/2020			
03/15/2020			
03/16/2020	155	17	89%
03/17/2020			
03/18/2020	161	23	86%
03/19/2020			
03/20/2020			
03/21/2020			
03/22/2020			
03/23/2020	148	29	80%
03/24/2020			
03/25/2020	129	18	86%
03/26/2020			
03/27/2020			
03/28/2020			
03/29/2020			
03/30/2020			
03/31/2020			
AVG	149	21	86%



**DESIGN - 210 MGD**

<b>NEWPCP - MARCH 2020</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
03/01/2020	45.08	88.61	24	158	199	
03/02/2020	45.97	89.24	25	160	198	0.04
03/03/2020	47.14	88.3	28	163	273	0.12
03/04/2020	65.97	101.5	34	201	392	
03/05/2020	44.57	80.27	24	149	187	
03/06/2020	43.51	80.26	25	149	211	0.35
03/07/2020	66.21	98.72	37	202	366	T
03/08/2020	43.66	82.28	24	150	194	
03/09/2020	45.07	85.2	26	156	210	
03/10/2020	44.38	78.22	26	148	190	T
03/11/2020	43.86	80.28	25	149	223	T
03/12/2020	43.76	81.26	24	149	196	T
03/13/2020	47.09	83.79	28	159	380	0.37
03/14/2020	60.42	95.05	32	188	386	T
03/15/2020	44.62	89.96	24	158	190	0.01
03/16/2020	44.77	78.73	24	147	198	
03/17/2020	43.78	78.1	24	146	205	0.03
03/18/2020	45.09	77.6	26	148	233	0.08
03/19/2020	61.58	116.98	38	217	438	0.93
03/20/2020	62.06	103.23	29	195	372	T
03/21/2020	45.19	82.86	25	153	197	T
03/22/2020	44.33	83.61	23	151	194	
03/23/2020	44.51	79.78	24	148	193	0.8
03/24/2020	82.44	137.47	52	272	457	
03/25/2020	46.83	89.89	26	163	207	0.01
03/26/2020	43.9	92.71	26	163	206	
03/27/2020	45.32	86.54	27	159	203	T
03/28/2020	45.2	84.93	26	156	197	1.14
03/29/2020	91.9	142.59	52	287	444	T
03/30/2020	48.93	99.85	27	175	223	0.06
03/31/2020	56.74	101.13	33	191	427	T
<b>TOTAL</b>	<b>1,584</b>	<b>2,839</b>	<b>777</b>	<b>4,658</b>		<b>3.94</b>
<b>AVG</b>	<b>51</b>	<b>92</b>	<b>29</b>	<b>171</b>		
			<b>MIN</b>	<b>146</b>	<b>187</b>	
			<b>MAX</b>	<b>272</b>	<b>457</b>	

\* ADJUSTED FOR RECYCLE.

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF MARCH 2020

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
03/04/2020	0.491	2.780	4.57	7.84	0.767
03/11/2020	0.545	2.540	5.04	7.22	0.871
03/18/2020	0.520	2.070	8.30	8.02	0.963
03/25/2020	0.616	2.620	6.17	7.44	0.557
<b>AVG</b>	0.543	2.503	6.02	7.63	0.790
<b>MAX</b>	0.616	2.780	8.30	8.02	0.963

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
03/04/2020	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	03/04/2020
Copper	0.0100
Iron	0.4100
Iron Dissolved	0.0560
Lead	< 0.0030 <
Zinc	0.0370

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	03/03/2020
1,2-Dichloroethane	< 0.0005
Chloroform	0.0028
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>			
MARCH 2020	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT	
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD		
03/01/2020	0.854	0.992	83.48	1.260	1.142	92.0	
03/02/2020	0.866	0.806	69.78	0.881	1.322	111.7	
03/03/2020	0.877	0.439	40.25	1.473	1.591	120.7	
03/04/2020	0.871	1.333	110.09	1.492	1.314	124.5	
03/05/2020	0.828	0.124	9.23	1.208	0.871	77.5	
03/06/2020	0.883	1.139	107.47	0.866	1.076	91.5	
03/07/2020	-	0.462	36.84	2.082	2.510	198.5	
03/08/2020	0.821	0.821	77.37	1.326	0.706	93.8	
03/09/2020	0.852	0.805	117.88	1.494	1.749	258.5	
03/10/2020	0.857	0.870	129.13	1.384	1.521	199.7	
03/11/2020	0.856	0.805	67.24	1.468	1.163	99.5	
03/12/2020	-	0.028	0.44	1.515	1.446	175.5	
03/13/2020	1.658	1.677	170.95	1.261	1.935	164.5	
03/14/2020	-			1.187	0.932	83.8	
03/15/2020	0.845	0.685	49.77	1.177	1.278	97.5	
03/16/2020	0.257	0.428	30.07	1.401	1.169	103.2	
03/17/2020	0.578	0.601	48.94	1.393	1.647	140.2	
03/18/2020	0.849	0.839	68.82	1.303	1.002	96.0	
03/19/2020	0.880	0.880	74.44	1.418	1.703	142.3	
03/20/2020	1.740	1.649	129.32	1.595	1.641	156.8	
03/21/2020	-	0.106	7.06	1.673	1.121	95.9	
03/22/2020	0.833	0.727	61.99	1.416	1.662	164.3	
03/23/2020	0.866	0.760	64.50	1.439	0.998	97.4	
03/24/2020	0.847	1.025	91.05	1.491	1.505	136.4	
03/25/2020	0.856	0.372	29.38	1.370	1.200	109.0	
03/26/2020	0.847	0.975	85.95	1.532	1.646	141.5	
03/27/2020	0.866	0.879	81.37	1.598	1.748	153.8	
03/28/2020	0.794	0.451	41.26	1.636	1.586	151.8	
03/29/2020	-	0.690	76.67	1.725	1.629	149.0	
03/30/2020	0.866	0.880	83.56	1.613	1.647	153.4	
03/31/2020	0.866	0.846	78.84	1.613	2.045	172.0	
<b>TOTAL</b>	23.010	23.092	2,123	44.288	44.507	4,152	
<b>AVERAGE</b>	0.742	0.770	71	1.429	1.436	134	



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **03/01/2020**  
 DMR Effective To: **03/31/2020**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2020	03	01	TO	2020	03	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	3.6	6.0	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.4	***	6.9	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	22711	33003	lbs/day	***	14	20	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	6.02	8.30	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.543	.616	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.503	2.780	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	7.63	8.02	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.790	.963	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0028	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	< .050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0100	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.4100	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0560	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Lead, Total (01051)	Sample Measurement	***	***	***	***	< .0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0370	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	171	287	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.29	.54	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	4	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	14419	23263	lbs/day	***	9	15	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	27453	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***		***	***	***		2/week	24-Hr Composite
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 03/01/2020  
 DMR Effective To: 03/31/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	03	01	TO	2020	03	31

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	93	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	92	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
NECSO 202003.xlsx	CSO Detailed Outfall Report Form	2020-04-27T12:49:29-04:00	
202003SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2020-04-27T12:50:13-04:00	
E-NPDES NE 202003.xlsx	Daily Effluent Monitoring Form	2020-04-27T12:48:14-04:00	
BLSNE202003.xlsx	Nutrient Monitoring Form	2020-04-27T12:48:50-04:00	
NE Daily Grab (04-21-2020).pdf	Laboratory Accreditation Form	2020-04-27T12:51:33-04:00	
NE Daily Composite (04-21-2020).pdf	Laboratory Accreditation Form	2020-04-27T12:50:54-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2020	04	27
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

NE Daily Composite

Report: BLS20200420-001  
 Report Date: 04/21/2020

WW200304-016

NEOUT

Composite 24h 03/04/2020 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
TKN	SM 4500 Norg D	3/5/2020	11:55	3/6/2020	9:39	7.84	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 86.5%. Acceptance limits are 90 to 110%.
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WW200305-014

NEOUT

Composite 24h 03/05/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	3/5/2020	10:00	3/10/2020	7:45	4	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in four blanks was 0.54, 0.25, 0.23, and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200307-013

NEOUT

Composite 24h 03/07/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	3/7/2020	13:05	3/12/2020	7:25	12	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	3/7/2020	8:20	3/7/2020	10:47	19.0	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.33 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.

WW200313-013

NEOUT

Composite 24h 03/13/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	3/13/2020	11:50	3/18/2020	8:10	5	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	3/13/2020	7:35	3/13/2020	9:37	11.0	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.36 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.

WW200318-015

NEOUT

Composite 24h 03/18/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
TKN	SM 4500 Norg D	3/26/2020	11:55	4/1/2020	10:04	8.02	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 4.0%. Acceptance limits are 90 to 110%.
-----	---

WW200319-013

NEOUT

Composite 24h 03/19/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	3/19/2020	11:05	3/24/2020	6:50	26	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 235.5 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW200325-015

NEOUT

Composite 24h 03/25/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
TKN	SM 4500 Norg D	4/2/2020	11:55	4/8/2020	11:14	7.44	mg/L as N	1.0	mg/L as N



Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 89.0%. Acceptance limits are 90 to 110%.
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WW200327-013

NEOUT

Composite 24h 03/27/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	3/27/2020	7:50	3/27/2020	10:02	12.0	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.
------------------------	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature:



Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

4/21/2020

NE Daily Grab

WW200302-002

NEOUTN

Grab 03/02/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			3/2/2020	9:35	0.55	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	High Continuous Calibration Verification Standard (CCV) recovery is 112%. Acceptance limits are 90 to 110%.
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WW200302-003

NEOUTS

Grab 03/02/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			3/2/2020	9:35	0.23	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	High Continuous Calibration Verification Standard (CCV) recovery is 112%. Acceptance limits are 90 to 110%.
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WW200311-001

NEOUTN

Grab 03/11/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18/Quantitr			3/12/2020	8:14	<1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.48. The maximum acceptable PCV is 0.403. The measured results were 2.0 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200311-002

NEOUTS

Grab 03/11/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18/Quantitr			3/12/2020	8:14	1.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.48. The maximum acceptable PCV is 0.403. The measured results were 2.0 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
--	--

WW200312-001

NEOUTN

Grab 03/12/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			3/12/2020	9:35	0.46	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 29%. The maximum acceptable RPD is 15%. The measured results were 0.06 and 0.09 mg/L.
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WW200312-002

NEOUTS

Grab 03/12/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			3/12/2020	9:35	0.35	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 29%. The maximum acceptable RPD is 15%. The measured results were 0.06 and 0.09 mg/L.
-------------------------	--

WW200314-001

NEOUTN

Grab 03/14/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18 /Quantitray			3/15/2020	7:52	3.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.491. The maximum acceptable PCV is 0.403. The measured results were 3.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200314-002

NEOUTS

Grab 03/14/2020 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18 /Quantit			3/15/2020	7:52	1.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.491. The maximum acceptable PCV is 0.403. The measured results were 3.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200322-001

NEOUTN

Grab 03/22/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18 /Quantitray			3/23/2020	7:59	8.4	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.550. The maximum acceptable PCV is 0.403. The measured results were 7.1 MPN/100mL and 2.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200322-002

NEOUTS

Grab 03/22/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18 /Quantit			3/23/2020	7:59	7.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.550. The maximum acceptable PCV is 0.403. The measured results were 7.1 MPN/100mL and 2.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
--	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

4/21/2020



Randy E. Hayman, Water Commissioner

April 27, 2020

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for the period of January 2020 to March 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Quarterly

**Report Type:** DMR

**Reporting Period:** 01/01/2020-03/31/2020

**Report Due Date:** 04/28/2020

**Submitted By:** Mary Ellen Senss

**Submission Id:** 204276

**Submission Status:** Received

**Submission Type:** Original



Toxicity (TUA)

Northeast WPCP - Outfall

01/10/2020

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic	<	1
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic	<	1



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Quarterly**  
 DMR Effective From: **01/01/2020**  
 DMR Effective To: **03/31/2020**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2020	01	01	TO	2020	03	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival (61425)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	Value is actually "< 1". Not able to place "<" in drop down box.								
Toxicity, Chronic - Ceriodaphnia Survival (61426)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	Value is actually "< 1". Not able to place "<" in drop down box.								
Toxicity, Acute - Pimephales Survival (61427)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	Value is actually "< 1". Not able to place "<" in drop down box.								
Chlordane (51032)	Sample Measurement	***	***	***	***	< .0004800	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
3,3-Dichlorobenzidine (34631)	Sample Measurement	***	***	***	***	< .0097	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Benzidine (39120)	Sample Measurement	***	***	***	***	< .0048	***	mg/L	3/quarter	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	Grab
4,4-DDT (39300)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
4,4-DDD (39310)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
4,4-DDE (39320)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
alpha-BHC (39336)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
beta-BHC (39338)	Sample Measurement	***	***	***	***	< .0533467	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
gamma-BHC (Lindane) (39344)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Dieldrin (39380)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Endrin (39390)	Sample Measurement	***	***	***	***	.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Heptachlor (39410)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite



COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF CLEAN WATER  
 DISCHARGE MONITORING REPORT (DMR)

Toxicity, Chronic - Pimephales Survival (61428)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	Value is actually "< 1". Not able to place "<" in drop down box.								
Facility Sampling Point Comments										





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)

## ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
NE WET Testing Composite (02-21-2020).pdf	Laboratory Accreditation Form	2020-04-24T15:29:51-04:00	
BLSNE202001.xlsx	WET Test Summary Report	2020-04-24T15:29:04-04:00	

## PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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## UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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## OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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## COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

## SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2020	04	24
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

NE WET Testing Composite

WW200102-013

NEOUT

Composite 24h 01/02/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/2/2020	9:30	1/7/2020	10:17	5.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200106-006

NEOUT

Composite 24h 01/06/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
1,2,4-Trichlorobenzene <sup>BD</sup>	EPA 625.1	1/7/2020	15:03	1/7/2020	20:33	<0.957 <sup>f</sup>	µg/L	0.957	µg/L
2-Chloronaphthalene <sup>BD</sup>	EPA 625.1	1/7/2020	15:03	1/7/2020	20:33	<0.957 <sup>f</sup>	µg/L	0.957	µg/L
Aroclor 1260 <sup>BD</sup>	EPA 608.3	1/8/2020	13:20	1/11/2020	19:41	<0.48 <sup>f</sup>	µg/L	0.48	µg/L
bis(2-Chloroisopropyl) ether <sup>BD</sup>	EPA 625.1	1/7/2020	15:03	1/7/2020	20:33	<0.957 <sup>f</sup>	µg/L	0.957	µg/L
Hexachloroethane <sup>BD</sup>	EPA 625.1	1/7/2020	15:03	1/7/2020	20:33	<9.57 <sup>f</sup>	µg/L	0.957	µg/L
Pyrene <sup>BD</sup>	EPA 625.1	1/7/2020	15:03	1/7/2020	20:33	<0.957 <sup>f</sup>	µg/L	0.957	µg/L

Data Qualifiers:

1,2,4-Trichlorobenzene	The recovery of LCS is 53%, which is outside the acceptance limits of 57-130%. Results may have greater uncertainty.
2-Chloronaphthalene	The recovery of LCS is 49%, which is outside the acceptance limits of 65-120%. Results may have greater uncertainty.
Aroclor 1260	The CVV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
bis(2-Chloroisopropyl) ether	The recovery of LCS is 62%, which is outside the acceptance limits of 63-139%. Results may have greater uncertainty.
Hexachloroethane	The recovery of LCS is 54%, which is outside the acceptance limits of 55-120%. Results may have greater uncertainty.
Pyrene	The recovery of LCS is 68%, which is outside the acceptance limits of 70-120%. Results may have greater uncertainty.

WW200106-033

NEOUT

Composite 24h 01/05/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/5/2020	12:15	1/10/2020	7:20	9.00	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in two blanks was 0.21 and 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200108-011

NEOUT

Composite 24h 01/08/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
2-Chloronaphthalene <sup>BD</sup>	EPA 625.1	1/10/2020	13:59	1/15/2020	0:40	<0.952 <sup>f</sup>	µg/L	0.952	µg/L
Aroclor 1016 <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:21	<0.48 <sup>f</sup>	µg/L	0.48	µg/L
Aroclor 1221 <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:21	<0.48 <sup>f</sup>	µg/L	0.48	µg/L
Aroclor 1232 <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:21	<0.48 <sup>f</sup>	µg/L	0.48	µg/L
Aroclor 1242 <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:21	<0.48 <sup>f</sup>	µg/L	0.48	µg/L
Aroclor 1248 <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:21	<0.48 <sup>f</sup>	µg/L	0.48	µg/L
Aroclor 1254 <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:21	<0.48 <sup>f</sup>	µg/L	0.48	µg/L
Aroclor 1260 <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:21	<0.48 <sup>f</sup>	µg/L	0.48	µg/L
Di-n-butyl phthalate <sup>BD</sup>	EPA 625.1	1/10/2020	13:59	1/15/2020	0:40	<2.86 <sup>f</sup>	µg/L	2.86	µg/L
PCBs Total <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:21	<0.48 <sup>f</sup>	µg/L	0.48	µg/L
Pyrene <sup>BD</sup>	EPA 625.1	1/10/2020	13:59	1/15/2020	0:40	<0.952 <sup>f</sup>	µg/L	0.952	µg/L

Data Qualifiers:

2-Chloronaphthalene	The recovery of LCS is 56%, which is outside the acceptance limits of 65-120%. Results may have greater uncertainty.
Aroclor 1016	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 24% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1221	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 24% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1232	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 24% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1242	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 24% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1248	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 24% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1254	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 24% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1260	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 24% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.

Di-n-butyl phthalate	The target analyte was detected in the Method, Dilution Water, Instrument or Extraction Blank or Sterility Check at or above the MRL or applicable method, client, or regulatory requirement. Possibility of high bias in the sample result, however it is ND.
PCBs Total	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 24% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Pyrene	The recovery of LCS is 69%, which is outside the acceptance limits of 70-120%. Results may have greater uncertainty.

WW200108-013

NEOUT

Composite 24h 01/08/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/8/2020	9:00	1/13/2020	8:45	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.64 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200110-006

NEOUT

Composite 24h 01/10/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
1,2-Dichloroethane <sup>BD</sup>	EPA 624.1			1/15/2020	18:24	<0.5 <sup>E</sup>	µg/L	0.5	µg/L
2-Chloronaphthalene <sup>BD</sup>	EPA 625.1	1/15/2020	16:19	1/15/2020	21:26	<1.00 <sup>F</sup>	µg/L	1.00	µg/L
Aroclor 1016 <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:37	<0.48 <sup>F</sup>	µg/L	0.48	µg/L
Aroclor 1221 <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:37	<0.48 <sup>F</sup>	µg/L	0.48	µg/L
Aroclor 1232 <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:37	<0.48 <sup>F</sup>	µg/L	0.48	µg/L
Aroclor 1242 <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:37	<0.48 <sup>F</sup>	µg/L	0.48	µg/L
Aroclor 1248 <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:37	<0.48 <sup>F</sup>	µg/L	0.48	µg/L
Aroclor 1254 <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:37	<0.48 <sup>F</sup>	µg/L	0.48	µg/L
Aroclor 1260 <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:37	<0.48 <sup>F</sup>	µg/L	0.48	µg/L
CBOD5	SM 5210 B	1/10/2020	12:20	1/15/2020	8:25	2.83	mg/L	2.0	mg/L
Dichloromethane <sup>BD</sup>	EPA 624.1			1/15/2020	18:24	<0.5 <sup>E</sup>	µg/L	0.5	µg/L
PCBs Total <sup>BD</sup>	EPA 608.3	1/14/2020	17:55	1/15/2020	11:37	<0.48 <sup>F</sup>	µg/L	0.48	µg/L

Data Qualifiers:

1,2-Dichloroethane	The CCV for this analyte was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard. The Laboratory Control Sample for the analysis batch associated with this sample was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
2-Chloronaphthalene	The recovery of LCS is 54%, which is outside the acceptance limits of 65-120%. Results may have greater uncertainty.
Aroclor 1016	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1221	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1232	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1242	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1248	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1254	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1260	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
CBOD5	GGA recovery is 138.00 mg/L. The acceptance limits are 167.5 to 228.5mg/L.
Dichloromethane	The CCV for this analyte was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard. The Laboratory Control Sample for the analysis batch associated with this sample was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard. The target analyte was detected in the Method, Dilution Water, Instrument or Extraction Blank or Sterility Check at or above the MRL or applicable method, client, or regulatory requirement. Possibility of high bias in the sample result, however it is ND.
PCBs Total	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.

WW200114-013

NEOUT

Composite 24h 01/14/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/14/2020	8:45	1/19/2020	8:30	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200115-015

NEOUT

Composite 24h 01/15/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/15/2020	10:25	1/20/2020	6:45	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/16/2020	9:08	1/21/2020	7:48	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in three blanks was 0.21, 0.25 and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/18/2020	13:05	1/23/2020	7:25	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 240.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.								
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/22/2020	9:58	1/27/2020	7:20	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 233.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.								
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/23/2020	9:43	1/28/2020	6:47	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 232.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.49 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/27/2020	9:40	2/1/2020	7:05	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.								
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Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	1/28/2020	9:11	2/2/2020	10:05	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 238 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.								
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature:



Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

2/21/2020



Randy E. Hayman, Water Commissioner

May 28, 2020

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for April 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 04/01/2020-04/30/2020

**Report Due Date:** 05/28/2020

**Submitted By:** Mary Ellen Senss

**Submission Id:** 208821

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for April 2020

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - APRIL 2020 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	
W	04/01/2020	172	150	6	96	8,618	125	5	96	7,182	
Th	04/02/2020	173	223	8	96	11,532	122	6	95	8,649	
F	04/03/2020	172	214	11	95	15,809	126	6	95	8,623	
S	04/04/2020	168	259	7	97	9,817	145	7	95	9,817	
Su	04/05/2020	176	207	9	96	13,181	139	6	96	8,787	
M	04/06/2020	170	196	10	95	14,173	135	7	95	9,921	17
T	04/07/2020	159	154	4	97	5,309	131	4	97	5,309	
W	04/08/2020	211	229	8	97	14,089	169	7	96	12,328	21
Th	04/09/2020	179	161	5	97	7,453	118	5	96	7,453	
F	04/10/2020	258	140	3	98	6,460	132	4	97	8,613	
S	04/11/2020	164	168	3	98	4,092	136	4	97	5,456	
Su	04/12/2020	153	125	3	98	3,819	128	3	98	3,819	
M	04/13/2020	193	212	6	97	9,653	114	5	96	8,044	13
T	04/14/2020	284	130	9	93	21,334	88	8	91	18,963	
W	04/15/2020	180	125	5	96	7,513	114	7	94	10,518	9
Th	04/16/2020	172	199	5	97	7,176	130	5	96	7,176	
F	04/17/2020	165	146	4	97	5,509	111	6	95	8,264	13
S	04/18/2020	166	156	5	97	6,936	119	5	96	6,936	
Su	04/19/2020	171	185	4	98	5,710	147	7	95	9,993	
M	04/20/2020	162	186	4	98	5,401	129	6	95	8,101	15
T	04/21/2020	162	209	4	98	5,408	135	8	94	10,817	
W	04/22/2020	170	213	5	98	7,084	151	8	95	11,334	18
Th	04/23/2020	163	159	4	97	5,432	131	5	96	6,790	
F	04/24/2020	229	177	7	96	13,358	128	8	94	15,266	
S	04/25/2020	242	160	8	95	16,121	103	6	94	12,091	
Su	04/26/2020	170	100	3	97	4,263	118	6	95	8,527	
M	04/27/2020	179	152	9	94	13,450	102	8	92	11,955	22
T	04/28/2020	170	175	6	97	8,517	106	3	97	4,258	
W	04/29/2020	162	241	4	98	5,411	125	5	96	6,764	13
Th	04/30/2020	168	212	3	99	4,203	136	4	97	5,604	
F	05/01/2020	227	167	11	93	20,815	134	9	93	17,031	
S	05/02/2020	172	149	4	97	5,751	133	4	97	5,751	

TOTAL AVERAGE	5,464	5,362					3,794					
	182	179	6	97	8,894		126	6	95	8,912	16	

Wk1	188	179	6	97	9,251	137	5	96	8,267
Wk2	188	156	5	96	8,849	115	6	95	9,103
Wk3	185	184	5	97	8,359	132	7	95	10,627
Wk4	178	171	6	96	8,916	122	6	95	8,556

MAX 284

CBOD 20 LBS-- 23,187

NPDES/D LIMITS	MO	<30	>85	<52,540	<25	>86	<36,430
	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - APRIL 2020**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN		CHLORINE RESIDUALS		FECAL COLIFORM (MPN / 100mL)
		N	S	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
W 04/01/2020	172	6.9	6.8	4.7		0.23		4
Th 04/02/2020	173	6.9	6.9	4.7		0.23		2
F 04/03/2020	172	6.9	6.9	4.8		0.26		5
S 04/04/2020	168	6.8	6.8	4.7		0.27		2
Su 04/05/2020	176	6.8	6.8	5.9		0.29		2
M 04/06/2020	170	6.8	6.8	6.5		0.35		1
T 04/07/2020	159	6.8	6.8	6.5		0.29		1
W 04/08/2020	211	6.8	6.7	5.5		0.32		9
Th 04/09/2020	179	6.8	6.8	6.5		0.27		3
F 04/10/2020	258	6.9	6.9	6.7		0.28		21
S 04/11/2020	164	6.8	6.8	6.7		0.27		2
Su 04/12/2020	153	6.9	6.8	6.6		0.31		3
M 04/13/2020	193	6.6	6.6	3.1		0.48		54
T 04/14/2020	284	6.8	6.7	6.0		0.23		15
W 04/15/2020	180	6.7	6.8	5.2		0.35		7
Th 04/16/2020	172	6.7	6.8	5.0		0.33		11
F 04/17/2020	165	6.8	6.8	5.3		0.39		1
S 04/18/2020	166	6.9	6.9	5.9		0.42		19
Su 04/19/2020	171	6.9	6.9	6.4		0.29		3
M 04/20/2020	162	6.9	6.9	6.4		0.23		17
T 04/21/2020	162	6.9	6.9	6.3		0.24		5
W 04/22/2020	170	7.0	6.9	6.9		0.38		1
Th 04/23/2020	163	6.9	6.9	6.7		0.37		1
F 04/24/2020	229	6.5	6.5	6.5		0.39		11
S 04/25/2020	242	6.8	6.8	6.9		0.45		1
Su 04/26/2020	170	6.9	6.8	6.3		0.42		1
M 04/27/2020	179	6.8	6.8	6.3		0.44		1
T 04/28/2020	170	6.9	6.8	6.3		0.28		2
W 04/29/2020	162	6.9	6.8	5.3		0.38		1
Th 04/30/2020	168	6.8	6.8	4.9		0.26		6
F 05/01/2020	227	6.7	6.7	5.7		0.27		1
S 05/02/2020	172	6.6	6.6	4.9		0.34		1
<b>TOTAL</b>	<b>5,464</b>	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>AVG</b>	<b>AVG</b>	<b>MAX</b>	<b>GEOMETRIC</b>
<b>AVERAGE</b>	<b>182</b>	<b>6.5</b>	<b>7.0</b>	<b>3.1</b>	<b>5.8</b>	<b>0.32</b>	<b>0.48</b>	<b>MEAN</b>
								<b>4</b>

Wk1 188  
Wk2 188  
Wk3 185  
Wk4 178

**MAX** 284

NPDES/D  
LIMITS

EFFLUENT  
MIN MAX  
6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.



**PERMIT  
NEWPCP - APRIL 2020  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
04/01/2020	0.24	0.21	0.23	4.5	4.8	4.7	3	5	4
04/02/2020	0.24	0.22	0.23	4.6	4.8	4.7	2	2	2
04/03/2020	0.22	0.29	0.26	4.7	4.9	4.8	4	5	5
04/04/2020	0.28	0.25	0.27	4.6	4.7	4.7	3	2	2
04/05/2020	0.28	0.30	0.29	5.7	6.1	5.9	2	3	2
04/06/2020	0.36	0.33	0.35	6.4	6.5	6.5	2	1	1
04/07/2020	0.26	0.32	0.29	6.4	6.5	6.5	<	1	1
04/08/2020	0.38	0.26	0.32	5.4	5.6	5.5	6	12	9
04/09/2020	0.27	0.27	0.27	6.5	6.5	6.5	2	4	3
04/10/2020	0.30	0.26	0.28	6.6	6.7	6.7	23	19	21
04/11/2020	0.32	0.21	0.27	6.6	6.8	6.7	2	2	2
04/12/2020	0.35	0.26	0.31	6.5	6.6	6.6	5	2	3
04/13/2020	0.50	0.46	0.48	3.0	3.2	3.1	167	17	54
04/14/2020	0.25	0.20	0.23	5.8	6.2	6.0	18	13	15
04/15/2020	0.44	0.26	0.35	5.1	5.2	5.2	4	13	7
04/16/2020	0.38	0.27	0.33	4.8	5.1	5.0	6	21	11
04/17/2020	0.49	0.28	0.39	5.1	5.4	5.3	1	2	1
04/18/2020	0.58	0.25	0.42	5.9	5.9	5.9	3	125	19
04/19/2020	0.31	0.26	0.29	6.3	6.5	6.4	4	2	3
04/20/2020	0.23	0.23	0.23	6.2	6.5	6.4	25	12	17
04/21/2020	0.25	0.22	0.24	6.2	6.4	6.3	2	14	5
04/22/2020	0.44	0.32	0.38	6.6	7.1	6.9	2	1	1
04/23/2020	0.44	0.29	0.37	6.5	6.8	6.7	1	2	1
04/24/2020	0.46	0.31	0.39	6.3	6.7	6.5	11	11	11
04/25/2020	0.58	0.31	0.45	6.6	7.1	6.9	2	<	1
04/26/2020	0.51	0.32	0.42	6.2	6.4	6.3	<	1	1
04/27/2020	0.51	0.37	0.44	6.1	6.4	6.3	<	1	1
04/28/2020	0.28	0.28	0.28	6.1	6.4	6.3	5	<	1
04/29/2020	0.45	0.31	0.38	5.3	5.2	5.3	2	1	1
04/30/2020	0.28	0.23	0.26	4.8	5.0	4.9	4	8	6
Avg	0.36	0.28	0.32	5.7	5.9	5.8	4	4	4

# PERMIT

## NEWPCP - APRIL 2020

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
04/01/2020			
04/02/2020			
04/03/2020			
04/04/2020			
04/05/2020			
04/06/2020	139	17	88%
04/07/2020			
04/08/2020	152	17	89%
04/09/2020			
04/10/2020			
04/11/2020			
04/12/2020			
04/13/2020	132	11	92%
04/14/2020			
04/15/2020	119	12	90%
04/16/2020			
04/17/2020			
04/18/2020			
04/19/2020			
04/20/2020	124	11	91%
04/21/2020			
04/22/2020	162	15	91%
04/23/2020			
04/24/2020			
04/25/2020			
04/26/2020			
04/27/2020	107	12	89%
04/28/2020			
04/29/2020	123	10	92%
04/30/2020			
AVG	132	13	90%

**DESIGN - 210 MGD**

<b>NEWPCP - APRIL 2020</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
04/01/2020	49	96	28	172	219	
04/02/2020	46	100	26	173	214	
04/03/2020	47	101	24	172	209	T
04/04/2020	46	96	25	168	206	T
04/05/2020	47	99	30	176	220	
04/06/2020	47	96	27	170	217	T
04/07/2020	46	86	27	159	270	
04/08/2020	58	117	36	211	443	0.27
04/09/2020	58	90	31	179	374	0.05
04/10/2020	104	88	66	258	263	
04/11/2020	45	95	24	164	218	
04/12/2020	45	83	24	153	196	0.07
04/13/2020	60	94	39	193	401	1.62
04/14/2020	50	172	62	284	450	T
04/15/2020	52	100	28	180	335	0.03
04/16/2020	49	97	26	172	212	
04/17/2020	48	90	26	165	223	T
04/18/2020	48	92	26	166	201	0.06
04/19/2020	49	95	27	171	205	
04/20/2020	49	87	26	162	209	
04/21/2020	48	88	26	162	217	0.1
04/22/2020	38	100	31	170	400	
04/23/2020	52	86	25	163	304	0.46
04/24/2020	73	110	46	229	453	0.59
04/25/2020	70	130	42	242	409	0.02
04/26/2020	49	94	27	170	211	0.13
04/27/2020	68	75	36	179	398	0.01
04/28/2020	48	96	26	170	207	
04/29/2020	49	88	26	162	231	
04/30/2020	47	95	26	168	213	0.34
<b>TOTAL</b>	<b>1,587</b>	<b>2,937</b>	<b>888</b>	<b>5,133</b>		<b>3.75</b>
<b>AVG</b>	<b>53</b>	<b>98</b>	<b>31</b>	<b>182</b>		
			<b>MIN</b>	<b>153</b>	<b>196</b>	
			<b>MAX</b>	<b>284</b>	<b>453</b>	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **04/01/2020**  
 DMR Effective To: **04/30/2020**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2020	04	01	TO	2020	04	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	3.1	5.8	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.5	***	7.0	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	8894	9251	lbs/day	***	6	6	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	6.24	7.80	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.526	.601	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	3.350	3.820	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	7.25	8.30	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.670	.841	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Chloroform (32106)	Sample Measurement	***	***	***	***	.0023	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	<.050	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0087	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.1433	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0597	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	< .0030	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0327	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	182	284	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.32	.48	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
	<b>Facility Parameter Comments</b>	6/month								
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
	<b>Facility Parameter Comments</b>	6/month								
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	4	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	8912	10627	lbs/day	***	6	7	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	23187	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 04/01/2020  
 DMR Effective To: 04/30/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	04	01	TO	2020	04	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	95	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	97	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
BLSNE202004.xlsx	Nutrient Monitoring Form	2020-05-27T14:33:12-04:00	
202004SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2020-05-27T14:34:40-04:00	
NECSO 202004.xlsx	CSO Detailed Outfall Report Form	2020-05-27T14:34:15-04:00	
NE Daily Composite (05-21-2020).pdf	Laboratory Accreditation Form	2020-05-27T14:35:18-04:00	
E-NPDES NE-202004.xlsx	Daily Effluent Monitoring Form	2020-05-27T14:33:46-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2020	05	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY





Toxicity (TUA)

Northeast WPCP - Outfall

04/17/2020

Toxicity, Ceriodaphnia acute		1.4
Toxicity, Ceriodaphnia chronic		4
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic	<	1

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
APRIL 2020	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD	
04/01/2020	0.854	0.854	78.24	1.465	1.465	109.5
04/02/2020	0.855	0.855	85.11	1.523	1.523	110.5
04/03/2020	0.888	0.888	60.32	1.467	1.467	115.7
04/04/2020	-	-	-	1.435	1.435	111.8
04/05/2020	0.852	0.852	85.04	1.489	1.489	143.4
04/06/2020	0.855	0.855	63.03	1.527	1.527	110.7
04/07/2020	0.865	0.865	95.32	1.698	1.698	150.5
04/08/2020	0.867	0.867	70.41	1.800	1.800	160.6
04/09/2020	0.853	0.853	72.65	0.317	0.317	29.9
04/10/2020	0.763	0.763	61.38	1.577	1.577	155.9
04/11/2020	0.839	0.839	70.48	2.093	2.093	186.2
04/12/2020	-	-	-	1.490	1.490	146.5
04/13/2020	0.805	0.805	75.59	2.356	2.356	211.9
04/14/2020	0.812	0.812	72.48	1.697	1.697	168.4
04/15/2020	0.758	0.758	65.55	1.588	1.588	152.1
04/16/2020	0.825	0.825	80.92	0.757	0.757	73.8
04/17/2020	0.896	0.896	83.14	0.243	0.243	22.6
04/18/2020	0.871	0.871	98.54	1.062	1.062	77.0
04/19/2020	-	-	-	1.111	1.111	108.9
04/20/2020	0.898	0.898	83.43	1.291	1.291	119.4
04/21/2020	0.891	0.891	83.47	1.534	1.534	148.2
04/22/2020	0.904	0.904	40.70	0.478	0.478	(2.3)
04/23/2020	0.881	0.881	80.58	0.941	0.941	84.2
04/24/2020	0.897	0.897	103.06	0.449	0.449	24.6
04/25/2020	0.859	0.859	79.30	0.583	0.583	73.4
04/26/2020	-	-	-	1.443	1.443	165.1
04/27/2020	0.888	0.888	82.41	1.102	1.102	114.1
04/28/2020	0.847	0.847	77.11	1.759	1.759	148.8
04/29/2020	0.859	0.859	88.48	1.501	1.501	138.9
04/30/2020	0.842	0.842	79.01	1.839	1.839	155.9
<b>TOTAL</b>	22.223	22.223	2,016	39.617	39.617	3,516
<b>AVERAGE</b>	0.741	0.741	67	1.321	1.321	117

NE Daily Composite

Report: BLS20200521-001  
 Report Date: 05/21/2020

WW200403-013

NEOUT

Composite 24h 04/03/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/3/2020	10:15	4/8/2020	6:25	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200408-015

NEOUT

Composite 24h 04/08/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	4/8/2020	9:35	4/28/2020	8:35	21	mg/L	2	mg/L
CBOD5	SM 5210 B	4/8/2020	9:35	4/13/2020	9:00	7	mg/L	2	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 230.6 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 230.6 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.

WW200414-013

NEOUT

Composite 24h 04/14/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	4/14/2020	8:07	4/14/2020	10:09	9.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 118%. Acceptance limits are 85 to 115%.
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WW200415-011

NEOUT

Composite 24h 04/15/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/15/2020	12:00	4/20/2020	6:50	3.30	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Test replicates show >30% difference between highest and lowest values. The Relative Percent Difference between the values is 48%.
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WW200417-006

NEOUT

Composite 24h 04/17/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/17/2020	12:00	4/22/2020	9:10	5.91	mg/L	2	mg/L
PCBs Total <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>c</sup>	µg/L	0.48	µg/L

Data Qualifiers:

CBOD5	Test replicates show >30% difference between highest and lowest values. The Relative Percent Difference between the values is 31%.
PCBs Total	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.

WW200422-015

NEOUT

Composite 24h 04/22/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/22/2020	9:30	4/27/2020	8:15	8	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.37 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200423-013

NEOUT

Composite 24h 04/23/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/23/2020	11:20	4/28/2020	8:35	5	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in three blanks was 0.25, 0.26, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200425-018

NEOUT

Composite 24h 04/25/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	4/25/2020	7:47	4/25/2020	9:53	8.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW200426-013

NEOUT

Composite 24h 04/26/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/26/2020	9:50	5/11/2020	8:32	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200428-013

NEOUT

Composite 24h 04/28/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/28/2020	11:59	5/3/2020	7:40	3	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200429-015

NEOUT

Composite 24h 04/29/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
TKN	SM 4500 Norg D	5/7/2020	13:00	5/8/2020	13:52	7.49	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 87.8%. Acceptance limits are 90 to 110%.
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WW200430-013

NEOUT

Composite 24h 04/30/2020 06:30


Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/30/2020	10:15	5/5/2020	7:00	4	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 240.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
 Signature: \_\_\_\_\_  
 Name: Aaron Bitler  
 Title: Laboratory Manager  
 Date: 5/21/2020



Randy E. Hayman, Water Commissioner

June 26, 2020

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for May 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 05/01/2020-05/31/2020

**Report Due Date:** 06/28/2020

**Submitted By:** Mary Ellen Senss

**Submission Id:** 212995

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for May 2020

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - MAY 2020 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	
F	05/01/2020	229	168	11	93	21,020	134	9	93	17,198	
S	05/02/2020	175	147	4	97	5,839	120	4	97	5,839	
Su	05/03/2020	176	181	5	97	7,319	136	4	97	5,855	
M	05/04/2020	175	183	4	98	5,829	111	7	94	10,201	18
T	05/05/2020	166	195	4	98	5,525	141	5	96	6,906	
W	05/06/2020	163	211	5	98	6,803	137	6	96	8,163	19
Th	05/07/2020	174	174	5	97	7,273	167	7	96	10,183	
F	05/08/2020	164	178	5	97	6,853	135	5	96	6,853	
S	05/09/2020	233	199	10	95	19,445	129	9	93	17,500	
Su	05/10/2020	164	84	5	94	6,825	110	7	94	9,555	
M	05/11/2020	163	153	3	98	4,074	130	5	96	6,790	16
T	05/12/2020	165	218	5	98	6,881	139	4	97	5,505	
W	05/13/2020	153	219	5	98	6,392	133	6	95	7,670	16
Th	05/14/2020	177	160	4	98	5,921	120	3	98	4,441	
F	05/15/2020	162	260	4	98	5,390	137	3	98	4,042	
S	05/16/2020	158	274	4	99	5,262	158	5	97	6,578	
Su	05/17/2020	159	119	3	97	3,984	152	4	97	5,312	
M	05/18/2020	152	183	3	98	3,812	138	3	98	3,812	14
T	05/19/2020	153	202	3	99	3,824	140	3	98	3,824	
W	05/20/2020	158	214	3	99	3,947	153	5	97	6,578	11
Th	05/21/2020	154	328	4	99	5,131	157	4	97	5,131	
F	05/22/2020	154	199	5	97	6,429	149	7	95	9,001	
S	05/23/2020	197	266	14	95	22,982	148	11	93	18,057	
Su	05/24/2020	231	205	7	97	13,499	100	4	96	7,714	
M	05/25/2020	154	185	3	98	3,859	121	3	98	3,859	11
T	05/26/2020	154	131	4	97	5,128	133	7	95	8,974	
W	05/27/2020	152	199	4	98	5,084	154	5	97	6,355	17
Th	05/28/2020	161	230	5	98	6,721	151	3	98	4,032	
F	05/29/2020	159	290	4	99	5,309	141	5	96	6,636	
S	05/30/2020	154	174	3	98	3,855	143	3	98	3,855	
Su	05/31/2020	153	188	3	98	3,825	137	3	98	3,825	

TOTAL AVERAGE	5,243 169	6,120 197	5	97	7,227	4,252 137	5	96	7,427	15
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Wk1	179	189	5	97	8,435	137	6	95	9,380
Wk2	163	196	4	97	5,821	132	5	96	6,369
Wk3	161	216	5	98	7,158	148	5	96	7,388
Wk4	169	207	5	98	6,600	133	5	97	6,262

MAX 233

CBOD 20 LBS-- 20,285

NPDES/D  
LIMITS

MO	<30	>85	<52,540	<25	>86	<36,430
WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - MAY 2020**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN		CHLORINE RESIDUALS		FECAL COLIFORM (MPN / 100mL)
		N	S	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
F 05/01/2020	229	6.7	6.7	5.0		0.24		3
S 05/02/2020	175	6.6	6.6	4.8		0.33		1
Su 05/03/2020	176	6.9	6.9	4.9		0.29		2
M 05/04/2020	175	6.9	6.8	5.8		0.34		2
T 05/05/2020	166	6.8	6.8	6.4		0.28		
W 05/06/2020	163	6.8	6.8	6.3		0.37		3
Th 05/07/2020	174	6.8	6.8	6.5		0.36		4
F 05/08/2020	164	6.9	6.9	6.2		0.44		3
S 05/09/2020	233	6.8	6.6	6.8		0.26		16
Su 05/10/2020	164	6.9	6.8	6.6		0.57		1
M 05/11/2020	163	6.9	6.8	5.5		0.34		1
T 05/12/2020	165	6.9	6.8	6.5		0.23		1
W 05/13/2020	153	6.9	6.8	6.4		0.40		2
Th 05/14/2020	177	6.8	6.9	5.1		0.42		2
F 05/15/2020	162	6.8	6.8	4.6		0.37		1
S 05/16/2020	158	6.8	6.8	5.7		0.30		2
Su 05/17/2020	159	6.9	6.8	6.2		0.26		2
M 05/18/2020	152	6.9	6.9	6.2		0.28		1
T 05/19/2020	153	6.9	6.9	6.4		0.33		2
W 05/20/2020	158	6.8	6.8	6.5		0.32		2
Th 05/21/2020	154	6.8	6.9	6.5		0.28		2
F 05/22/2020	154	6.8	6.8	6.3		0.39		4
S 05/23/2020	197	6.8	6.8	3.7		0.53		7
Su 05/24/2020	231	6.8	6.8	6.5		0.58		1
M 05/25/2020	154	6.8	6.9	6.4		0.50		1
T 05/26/2020	154	6.7	6.7	6.3		0.25		2
W 05/27/2020	152	6.8	6.8	6.1		0.37		1
Th 05/28/2020	161	6.9	6.8	5.9		0.28		1
F 05/29/2020	159	6.8	6.8	5.1		0.28		6
S 05/30/2020	154	6.8	6.8	4.5		0.26		5
Su 05/31/2020	153	6.8	6.7	4.9		0.24		5
<b>TOTAL</b>	<b>5,090</b>	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>AVG</b>	<b>AVG</b>	<b>MAX</b>	<b>GEOMETRIC</b>
<b>AVERAGE</b>	<b>170</b>	<b>6.6</b>	<b>6.9</b>	<b>3.7</b>	<b>5.8</b>	<b>0.34</b>	<b>0.58</b>	<b>MEAN</b>
								<b>2</b>

Wk1 179  
Wk2 163  
Wk3 161  
Wk4 169

**MAX** 233

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.



**PERMIT  
NEWPCP - MAY 2020  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
05/01/2020	0.25	0.23	0.24	4.9	5.0	5.0	2	5	3
05/02/2020	0.37	0.28	0.33	4.6	4.9	4.8	1	1	1
05/03/2020	0.30	0.28	0.29	4.8	4.9	4.9	<	3	2
05/04/2020	0.34	0.33	0.34	5.7	5.9	5.8	3	2	2
05/05/2020	0.29	0.27	0.28	6.4	6.4	6.4			
05/06/2020	0.32	0.41	0.37	6.3	6.3	6.3	5	2	3
05/07/2020	0.36	0.36	0.36	6.4	6.6	6.5	10	2	4
05/08/2020	0.46	0.41	0.44	6.1	6.3	6.2	10	<	3
05/09/2020	0.29	0.22	0.26	6.6	7.0	6.8	5	48	16
05/10/2020	0.69	0.45	0.57	6.6	6.6	6.6	2	1	1
05/11/2020	0.33	0.34	0.34	5.4	5.5	5.5	2	1	1
05/12/2020	0.24	0.21	0.23	6.4	6.5	6.5	1	<	1
05/13/2020	0.43	0.37	0.40	6.3	6.5	6.4	<	3	2
05/14/2020	0.47	0.37	0.42	4.9	5.3	5.1	5	<	2
05/15/2020	0.41	0.33	0.37	4.5	4.6	4.6	2	1	1
05/16/2020	0.32	0.28	0.30	5.7	5.6	5.7	3	1	2
05/17/2020	0.30	0.21	0.26	6.1	6.3	6.2	1	4	2
05/18/2020	0.31	0.25	0.28	6.1	6.2	6.2	2	<	1
05/19/2020	0.35	0.30	0.33	6.3	6.4	6.4	2	2	2
05/20/2020	0.39	0.24	0.32	6.5	6.5	6.5	<	3	2
05/21/2020	0.26	0.29	0.28	6.3	6.6	6.5	4	1	2
05/22/2020	0.39	0.38	0.39	6.1	6.4	6.3	4	3	4
05/23/2020	0.56	0.49	0.53	3.4	3.9	3.7	6	7	7
05/24/2020	0.55	0.61	0.58	6.5	6.5	6.5	1	2	1
05/25/2020	0.57	0.42	0.50	6.3	6.5	6.4	<	2	1
05/26/2020	0.31	0.19	0.25	6.2	6.3	6.3	2	2	2
05/27/2020	0.41	0.33	0.37	6.0	6.1	6.1	<	2	1
05/28/2020	0.35	0.21	0.28	5.7	6.0	5.9	1	2	1
05/29/2020	0.32	0.23	0.28	4.8	5.4	5.1	6	5	6
05/30/2020	0.31	0.21	0.26	4.4	4.5	4.5	7	4	5
05/31/2020	0.28	0.20	0.24	4.8	4.9	4.9	3	7	5
Avg	0.38	0.32	0.35	5.7	5.9	5.8	2	2	2

# PERMIT

## NEWPCP - MAY 2020

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
05/01/2020			
05/02/2020			
05/03/2020			
05/04/2020	128	9	93%
05/05/2020			
05/06/2020	187	9	95%
05/07/2020			
05/08/2020			
05/09/2020			
05/10/2020			
05/11/2020	134	11	92%
05/12/2020			
05/13/2020	142	12	92%
05/14/2020			
05/15/2020			
05/16/2020			
05/17/2020			
05/18/2020	134	12	91%
05/19/2020			
05/20/2020	150	8	95%
05/21/2020			
05/22/2020			
05/23/2020			
05/24/2020			
05/25/2020	133	8	94%
05/26/2020			
05/27/2020	147	8	95%
05/28/2020			
05/29/2020			
05/30/2020			
05/31/2020			
AVG	144	10	93%

**DESIGN - 210 MGD**

<b>NEWPCP - MAY 2020</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
05/01/2020	64	120	45	229	451	0.01
05/02/2020	48	97	30	175	237	
05/03/2020	43	101	32	176	297	0.15
05/04/2020	49	95	31	175	218	0.01
05/05/2020	47	89	29	166	214	
05/06/2020	46	89	28	163	202	0.09
05/07/2020	49	93	32	174	255	
05/08/2020	46	89	29	164	198	0.32
05/09/2020	74	117	42	233	412	T
05/10/2020	47	90	26	164	209	
05/11/2020	46	90	26	163	203	0.06
05/12/2020	48	89	29	165	225	
05/13/2020	46	81	27	153	211	
05/14/2020	45	105	27	177	203	T
05/15/2020	45	89	28	162	206	0.06
05/16/2020	45	82	30	158	196	
05/17/2020	45	87	28	159	195	
05/18/2020	45	80	27	152	194	
05/19/2020	46	79	28	153	188	
05/20/2020	44	86	28	158	190	
05/21/2020	44	82	28	154	236	
05/22/2020	44	83	28	154	207	0.38
05/23/2020	66	94	37	197	384	1.05
05/24/2020	69	122	40	231	419	T
05/25/2020	44	82	28	154	199	T
05/26/2020	44	82	28	154	198	
05/27/2020	43	83	27	152	209	
05/28/2020	45	88	29	161	238	0.07
05/29/2020	44	86	29	159	210	
05/30/2020	46	79	30	154	190	T
05/31/2020	43	75	34	153	194	
<b>TOTAL</b>	<b>1,501</b>	<b>2,803</b>	<b>845</b>	<b>4,776</b>		<b>2.20</b>
<b>AVG</b>	<b>48</b>	<b>90</b>	<b>30</b>	<b>169</b>		
			<b>MIN</b>	<b>152</b>	<b>188</b>	
			<b>MAX</b>	<b>233</b>	<b>451</b>	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **05/01/2020**  
 DMR Effective To: **05/31/2020**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2020	05	01	TO	2020	05	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	3.7	5.8	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	6.9	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	7227	8435	lbs/day	***	5	5	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	6.27	7.25	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite as N (00615)	Sample Measurement	***	***	***	***	.536	.563	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Nitrate as N (00620)	Sample Measurement	***	***	***	***	3.158	3.550	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	7.40	8.67	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.890	1.305	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0031	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	.050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0100	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.1770	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0640	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Lead, Total (01051)	Sample Measurement	***	***	***	***	< .0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0500	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	169	233	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.34	.58	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	2	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	7427	9380	lbs/day	***	5	6	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	20285	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***		***	***	***		2/week	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 05/01/2020  
 DMR Effective To: 05/31/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	05	01	TO	2020	05	31

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	97	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
202005SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2020-06-26T11:22:06-04:00	
NE Daily Composite (06-24-2020).pdf	Laboratory Accreditation Form	2020-06-26T11:22:41-04:00	
NECSO 202005.xlsx	CSO Detailed Outfall Report Form	2020-06-26T11:23:33-04:00	
E-NPDES NE-202005.xlsx	Daily Effluent Monitoring Form	2020-06-26T11:20:53-04:00	
BLSNE202005.xlsx	Nutrient Monitoring Form	2020-06-26T11:21:39-04:00	
NE Daily Grab (06-24-2020).pdf	Laboratory Accreditation Form	2020-06-26T11:23:03-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2020	06	26
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**

Northeast Water Pollution Control Plant

**NPDES SUMMARY FOR THE MONTH OF MAY 2020**

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

Northeast WPCP - Outfall

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
05/06/2020	0.538	3.540	6.85	8.67	1.305
05/13/2020	0.504	2.510	7.25	7.90	0.876
05/20/2020	0.540	3.030	5.61	6.39	0.708
05/27/2020	0.563	3.550	5.36	6.63	0.671
<b>AVG</b>	0.536	3.158	6.27	7.40	0.890
<b>MAX</b>	0.563	3.550	7.25	8.67	1.305

**Phenol Data (mg/L)**

Northeast WPCP - Outfall

Date	Phenolics
05/06/2020	0.050

**Metals Data (mg/L)**

Northeast WPCP - Outfall

Date	05/06/2020
Copper	0.0100
Iron	0.1770
Iron Dissolved	0.0640
Lead	< 0.0030
Zinc	0.0500

**Organics Data (mg/L)**

Northeast WPCP - Outfall

Date	05/05/2020
1,2-Dichloroethane	< 0.0005
Chloroform	0.0031
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005



**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>			
MAY 2020	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT	
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD		
05/01/2020	0.830	1.469	77.23	0.610	0.788	47.6	
05/02/2020	0.814	1.020	78.10	1.683	1.778	139.8	
05/03/2020	-		-	1.804	2.109	176.2	
05/04/2020	0.870	0.870	82.73	2.070	1.462	198.6	
05/05/2020	0.859	0.050	85.65	1.698	2.303	161.5	
05/06/2020	-		-	1.944	1.840	172.0	
05/07/2020	0.758	1.617	67.08	1.652	1.761	149.6	
05/08/2020	-		-	2.574	2.397	235.2	
05/09/2020	-		-	2.219	2.138	206.5	
05/10/2020	-		-	2.080	2.299	187.5	
05/11/2020	0.825	0.752	106.76	1.506	1.505	174.1	
05/12/2020	-		-	1.627	2.297	145.9	
05/13/2020	1.658	0.874	144.58	1.567	1.376	102.7	
05/14/2020	-	0.726	-	1.741	0.944	164.2	
05/15/2020	0.870	0.892	77.31	0.452	1.028	46.5	
05/16/2020	0.862	0.858	87.78	0.957	1.062	82.3	
05/17/2020	0.854	0.900	85.12	1.278	1.147	105.1	
05/18/2020	0.809	0.740	69.20	1.181	1.240	115.4	
05/19/2020	0.855	0.270	80.27	1.584	1.410	126.9	
05/20/2020	0.842	1.468	76.61	1.517	1.259	127.8	
05/21/2020	0.865	0.372	86.96	1.636	2.337	127.7	
05/22/2020	0.845	1.142	76.15	1.464	1.050	102.6	
05/23/2020	-	0.210	-	1.620	2.033	135.9	
05/24/2020	0.826	0.835	79.95	1.330	1.363	118.7	
05/25/2020	0.840	0.808	83.74	1.689	1.487	138.1	
05/26/2020	0.852	0.051	82.83	1.922	1.612	158.0	
05/27/2020	-	0.763	-	1.930	1.656	188.5	
05/28/2020	0.807	0.852	79.16	2.110	2.397	182.3	
05/29/2020	0.869	0.892	71.03	1.665	1.934	162.6	
05/30/2020	0.823	0.869	85.50	1.564	1.668	145.6	
05/31/2020	-		-	1.495	1.496	155.9	
<b>TOTAL</b>	18.431	19.299	1,764	50.169	51.179	4,481	
<b>AVERAGE</b>	0.595	0.804	57	1.618	1.651	145	

NE Daily Composite

WW200502-013

NEOUT

Composite 24h 05/02/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	5/2/2020	8:07	5/2/2020	10:27	4.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 73%. Acceptance limits are 85 to 115%.
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WW200504-015

NEOUT

Composite 24h 05/04/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	5/4/2020	8:00	5/24/2020	7:45	18	mg/L	2.0	mg/L
CBOD5	SM 5210 B	5/4/2020	10:40	5/9/2020	8:28	7	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in two blanks was 0.29 and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 236.5 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in two blanks was 0.29 and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW200505-016

NEOUT

Composite 24h 05/05/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/5/2020	9:35	5/10/2020	8:00	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.5 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW200506-016

NEOUT

Composite 24h 05/06/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	5/6/2020	11:05	5/26/2020	7:10	19	mg/L	2.0	mg/L
CBOD5	SM 5210 B	5/6/2020	11:05	5/11/2020	8:10	6	mg/L	2.0	mg/L
TKN	SM 4500 Norg D	5/7/2020	13:00	5/8/2020	14:20	8.67	mg/L as N	1.0	mg/L as N

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 233.0 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 230.0 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
TKN	Laboratory Fortified Matrix (LFM) recovery is 87.8%. Acceptance limits are 90 to 110%.

WW200510-013

NEOUT

Composite 24h 05/10/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	5/10/2020	7:52	5/10/2020	10:10	5.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.
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WW200520-015

NEOUT

Composite 24h 05/20/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Nitrite	EPA 300.0 rev 2.1			5/21/2020	17:20	0.540	mg/L as N	0.05	mg/L as N

Data Qualifiers:

Nitrite	Laboratory Fortified Matrix (LFM) recovery is 85.9%. Acceptance limits are 90 to 110%.
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WW200521-013

NEOUT

Composite 24h 05/21/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	5/21/2020	7:52	5/21/2020	9:57	4.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 150%. Acceptance limits are 85 to 115%.
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WW200526-013

NEOUT

Composite 24h 05/26/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	5/26/2020	9:10	5/31/2020	8:28	7	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	5/26/2020	8:09	5/26/2020	10:14	4.00	mg/L	2.5	mg/L

Data Qualifiers:

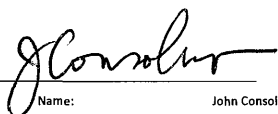
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 83%. Acceptance limits are 85 to 115%.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_



Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 6/24/2020

NE Daily Grab

Report: BLS20200624-002  
 Report Date: 06/24/2020

WW200513-001

NEOUTN

Grab 05/13/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18 /Quantit			5/14/2020	8:18	<1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.48. The maximum acceptable PCV is 0.403. The measured results were 2.0 MPN/100mL and <1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200513-002

NEOUTS

Grab 05/13/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18 /Quantit			5/14/2020	8:18	3.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.48. The maximum acceptable PCV is 0.403. The measured results were 2.0 MPN/100mL and <1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200515-001

NEOUTN

Grab 05/15/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitr			5/16/2020	8:32	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.48. The maximum acceptable PCV is 0.403. The measured results were 2.0 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200515-002

NEOUTS

Grab 05/15/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitr			5/16/2020	8:32	1.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.48. The maximum acceptable PCV is 0.403. The measured results were 2.0 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
--	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
 Signature: \_\_\_\_\_  
 Name: John Consolvo  
 Title: Laboratory Manager  
 Date: 6/24/2020



Randy E. Hayman, Water Commissioner

July 27, 2020

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for June 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 06/01/2020-06/30/2020

**Report Due Date:** 07/28/2020

**Submitted By:** Mary Ellen Senss

**Submission Id:** 218631

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for June 2020

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - JUNE 2020 COMPOSITE SAMPLES

	DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS			CBOD <sub>5</sub>				CBOD 20 (mg/L)			
				EFF (mg/L)	SS% REM	SS%** REM	LBS	LBS***	INF* (mg/L)	EFF (mg/L)		CBOD5 %REM	CBOD5** %REM	LBS
Su	05/31/2020	153	188	3	98		3,825		137	3	98	3,825		10
M	06/01/2020	148	170	4	98		4,932		144	3	98	3,699		
T	06/02/2020	146	179	3	98		3,663		133	3	98	3,663		11
W	06/03/2020	151	203	4	98		5,045		167	3	98	3,784		
Th	06/04/2020	189	303	10	97		15,780		181	9	95	14,202		19
F	06/05/2020	206	196	9	95		15,454		139	7	95	12,020		
S	06/06/2020	224	182	7	96		13,065		115	6	95	11,198		
Su	06/07/2020	157	211	3	99		3,927		133	3	98	3,927		15
M	06/08/2020	147	190	4	98		4,909		136	3	98	3,682		
T	06/09/2020	147	140	3	98		3,679		152	3	98	3,679		11
W	06/10/2020	149	186	4	98		4,959		147	3	98	3,719		
Th	06/11/2020	151	297	5	98		6,290		188	5	97	6,290		
F	06/12/2020	126	367	9	98		9,485		181	7	96	7,377		
S	06/13/2020	144	221	5	98		6,011		151	4	97	4,809		
Su	06/14/2020	143	198	6	97		7,147		138	3	98	3,573		14
M	06/15/2020	139	193	4	98		4,621		165	5	97	5,777		
T	06/16/2020	144	202	5	98		5,985		170	8	95	9,576		18
W	06/17/2020	144	253	5	98		6,014		164	5	97	6,014		
Th	06/18/2020	145	154	5	97		6,038		179	6	97	7,246		
F	06/19/2020	179	194	7	96		10,467		196	8	96	11,962		
S	06/20/2020	144	80	6	92		7,199		169	4	98	4,799		
Su	06/21/2020	169	229	9	96		12,648		157	10	94	14,054		18
M	06/22/2020	149	290	7	98		8,682		144	5	97	6,201		
T	06/23/2020	146	253	4	98		4,855		165	4	98	4,855		19
W	06/24/2020	150	311	6	98		7,500		168	5	97	6,250		
Th	06/25/2020	140	203	4	98		4,655		187	5	97	5,819		
F	06/26/2020	137	321	5	98		5,722		207	5	98	5,722		
S	06/27/2020	133	225	4	98		4,453		175	6	97	6,680		
Su	06/28/2020	142	256	3	99		3,547		180	6	97	7,094		
M	06/29/2020	139	290	2	99		2,318		163	8	95	9,271		
T	06/30/2020	145	297	4	99		4,833		191	5	97	6,041		

TOTAL AVERAGE	4,571	6,793					4,884							
	152	226	5	98		6,796	163	5	97		6,766		16	

Wk1	174	203	6	97		8,823	145	5	97		7,484		
Wk2	146	230	5	98		5,609	155	4	97		4,783		
Wk3	148	182	5	97		6,782	169	6	97		6,993		
Wk4	146	262	6	98		6,931	172	6	97		7,083		

MAX	224
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CBOD 20 LBS--	20,390
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NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS--	<71,760
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\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - JUNE 2020**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN		CHLORINE RESIDUALS		FECAL COLIFORM (MPN / 100mL)
		N	S	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
Su 05/31/2020	153	6.8	6.7	4.9		0.24		5
M 06/01/2020	148	6.7	6.7	5.1		0.26		2
T 06/02/2020	146	6.8	6.8	6.1		0.23		2
W 06/03/2020	151	6.9	6.9	5.9		0.22		3
Th 06/04/2020	189	6.5	6.6	6.1		0.12		23
F 06/05/2020	206	6.6	6.6	5.5		0.14		69
S 06/06/2020	224	6.7	6.6	6.0		0.16		7
Su 06/07/2020	157	6.8	6.8	6.2		0.31		4
M 06/08/2020	147	6.9	6.8	6.1		0.42		3
T 06/09/2020	147	6.8	6.8	6.0		0.29		3
W 06/10/2020	149	6.9	6.8	5.7		0.30		2
Th 06/11/2020	151	6.8	6.8	5.1		0.33		5
F 06/12/2020	126	6.8	6.8	5.0		0.28		5
S 06/13/2020	144	6.8	6.8	5.0		0.28		6
Su 06/14/2020	143	6.9	6.9	4.7		0.26		4
M 06/15/2020	139	6.8	6.8	4.7		0.26		4
T 06/16/2020	144	6.8	6.8	5.5		0.19		5
W 06/17/2020	144	6.9	6.8	5.9		0.23		8
Th 06/18/2020	145	6.8	6.8	5.9		0.18		19
F 06/19/2020	179	6.8	6.8	6.0		0.18		7
S 06/20/2020	144	6.9	6.9	5.7		0.23		8
Su 06/21/2020	169	6.7	6.7	5.9		0.20		7
M 06/22/2020	149	6.9	6.8	6.0		0.31		5
T 06/23/2020	146	6.9	6.8	5.7		0.32		4
W 06/24/2020	150	6.8	6.8	5.7		0.23		7
Th 06/25/2020	140	6.9	6.9	5.8		0.22		5
F 06/26/2020	137	6.9	6.9	5.6		0.25		3
S 06/27/2020	133	6.8	6.8	5.3		0.29		2
Su 06/28/2020	142	6.9	6.9	4.6		0.20		4
M 06/29/2020	139	6.9	6.9	4.2		0.27		4
T 06/30/2020	145	6.8	6.8	4.6		0.20		11
<b>TOTAL</b>	<b>4,571</b>	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>AVG</b>	<b>AVG</b>	<b>MAX</b>	<b>GEOMETRIC</b>
<b>AVERAGE</b>	<b>152</b>	<b>6.5</b>	<b>6.9</b>	<b>4.2</b>	<b>5.5</b>	<b>0.24</b>	<b>0.42</b>	<b>MEAN</b>
								<b>5</b>

Wk1 174  
Wk2 146  
Wk3 148  
Wk4 146

**MAX** 224

NPDES/D EFFLUENT  
LIMITS MIN MAX  
6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.



**PERMIT  
NEWPCP - JUNE 2020  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)	
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)		
06/01/2020	0.30	0.22	0.26	5.1	5.1	5.1	<	1	4	2
06/02/2020	0.26	0.20	0.23	6.0	6.2	6.1		2	2	2
06/03/2020	0.26	0.17	0.22	5.8	5.9	5.9		2	5	3
06/04/2020	0.15	0.09	0.12	6.1	6.1	6.1		22	24	23
06/05/2020	0.15	0.13	0.14	5.5	5.4	5.5		59	80	69
06/06/2020	0.20	0.11	0.16	5.9	6.0	6.0		5	9	7
06/07/2020	0.37	0.24	0.31	6.1	6.2	6.2		4	3	4
06/08/2020	0.49	0.34	0.42	6.0	6.1	6.1		4	2	3
06/09/2020	0.32	0.26	0.29	5.9	6.0	6.0		5	2	3
06/10/2020	0.33	0.26	0.30	5.6	5.8	5.7	<	1	3	2
06/11/2020	0.39	0.26	0.33	5.0	5.2	5.1		3	7	5
06/12/2020	0.33	0.23	0.28	4.7	5.3	5.0		4	6	5
06/13/2020	0.32	0.24	0.28	4.8	5.1	5.0		5	6	6
06/14/2020	0.33	0.19	0.26	4.7	4.7	4.7		3	4	4
06/15/2020	0.31	0.20	0.26	4.6	4.7	4.7		3	4	4
06/16/2020	0.20	0.18	0.19	5.4	5.5	5.5		4	6	5
06/17/2020	0.28	0.18	0.23	5.8	5.9	5.9		6	11	8
06/18/2020	0.23	0.13	0.18	5.9	5.8	5.9		15	26	19
06/19/2020	0.22	0.14	0.18	5.9	6.1	6.0		8	7	7
06/20/2020	0.27	0.18	0.23	5.6	5.8	5.7		6	9	8
06/21/2020	0.22	0.17	0.20	5.8	6.0	5.9		6	9	7
06/22/2020	0.35	0.27	0.31	5.8	6.2	6.0		5	4	5
06/23/2020	0.36	0.28	0.32	5.7	5.6	5.7		4	3	4
06/24/2020	0.29	0.16	0.23	5.7	5.7	5.7		6	7	7
06/25/2020	0.25	0.19	0.22	5.8	5.8	5.8		5	4	5
06/26/2020	0.32	0.18	0.25	5.5	5.7	5.6		2	4	3
06/27/2020	0.36	0.21	0.29	5.0	5.6	5.3		2	2	2
06/28/2020	0.24	0.15	0.20	4.5	4.6	4.6		3	4	4
06/29/2020	0.33	0.20	0.27	4.1	4.3	4.2		4	4	4
06/30/2020	0.26	0.14	0.20	4.6	4.6	4.6		6	21	11
Avg	0.29	0.20	0.24	5.4	5.6	5.5		4	6	5

# PERMIT

## NEWPCP - JUNE 2020

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
06/01/2020			
06/02/2020			
06/03/2020	201	8	96%
06/04/2020			
06/05/2020	140	16	89%
06/06/2020			
06/07/2020			
06/08/2020	151	7	95%
06/09/2020			
06/10/2020	179	11	94%
06/11/2020			
06/12/2020			
06/13/2020			
06/14/2020			
06/15/2020	139	13	91%
06/16/2020			
06/17/2020	188	14	93%
06/18/2020			
06/19/2020			
06/20/2020			
06/21/2020			
06/22/2020	124	9	93%
06/23/2020			
06/24/2020	157	10	94%
06/25/2020			
06/26/2020			
06/27/2020			
06/28/2020			
06/29/2020			
06/30/2020			
AVG	160	11	93%

**DESIGN - 210 MGD**

<b>NEWPCP - JUNE 2020</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
06/01/2020	44	76	29	148	189	
06/02/2020	42	75	29	146	184	
06/03/2020	42	82	28	151	244	0.89
06/04/2020	65	84	41	189	418	0.65
06/05/2020	63	99	43	206	423	0.35
06/06/2020	66	115	43	224	422	T
06/07/2020	45	82	30	157	200	
06/08/2020	43	76	28	147	189	
06/09/2020	42	77	28	147	211	
06/10/2020	42	78	29	149	190	
06/11/2020	43	76	32	151	199	0.62
06/12/2020	55	37	34	126	382	
06/13/2020	42	73	29	144	180	
06/14/2020	41	74	27	143	181	
06/15/2020	42	71	26	139	190	
06/16/2020	41	73	30	144	181	
06/17/2020	41	75	28	144	184	
06/18/2020	42	75	28	145	185	0.11
06/19/2020	70	74	36	179	379	
06/20/2020	42	74	28	144	194	0.55
06/21/2020	60	76	32	169	338	
06/22/2020	45	76	27	149	242	
06/23/2020	42	72	31	146	207	T
06/24/2020	42	75	33	150	192	
06/25/2020	42	68	29	140	179	T
06/26/2020	41	69	28	137	179	
06/27/2020	40	65	28	133	173	0.03
06/28/2020	42	71	29	142	240	0.01
06/29/2020	42	68	29	139	184	
06/30/2020	42	74	29	145	252	T
<b>TOTAL</b>	<b>1,392</b>	<b>2,259</b>	<b>862</b>	<b>4,287</b>		<b>3.21</b>
<b>AVG</b>	<b>46</b>	<b>75</b>	<b>31</b>	<b>152</b>		
			<b>MIN</b>	<b>126</b>	<b>173</b>	
			<b>MAX</b>	<b>224</b>	<b>423</b>	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **06/01/2020**  
 DMR Effective To: **06/30/2020**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2020	06	01	TO	2020	06	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	4.2	5.5	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.5	***	6.9	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	6796	8823	lbs/day	***	5	6	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	5.43	6.45	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.803	.892	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	3.023	3.740	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	6.07	6.87	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.854	1.024	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0023	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	< .050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0090	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.1410	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0540	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Lead, Total (01051)	Sample Measurement	***	***	***	***	< .0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0290	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	152	224	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.24	.42	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	5	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	6766	7484	lbs/day	***	5	6	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	20390	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***		***	***	***		2/week	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 06/01/2020  
 DMR Effective To: 06/30/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	06	01	TO	2020	06	30

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	97	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	98	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
BLSNE202006.xlsx	Nutrient Monitoring Form	2020-07-27T13:47:38-04:00	
NECSO 202006.xlsx	CSO Detailed Outfall Report Form	2020-07-27T13:48:01-04:00	
JUNE 2020 SLUDGE DSR.pdf.pdf	Sewage Sludge / Biosolids Production and Disposal Form	2020-07-27T13:51:11-04:00	
E-NPDES NE-202006.xlsx	Daily Effluent Monitoring Form	2020-07-27T13:47:13-04:00	
NE Daily Composite (07-21-2020).pdf	Laboratory Accreditation Form	2020-07-27T13:48:47-04:00	
NE Daily Grab (07-21-2020).pdf	Laboratory Accreditation Form	2020-07-27T13:49:19-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2020	07	27
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JUNE 2020

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
06/03/2020	0.749	3.740	4.79	5.23	0.697
06/10/2020	0.789	3.290	5.29	5.89	1.024
06/17/2020	0.892	2.910	5.18	6.30	0.847
06/24/2020	0.782	2.150	6.45	6.87	0.846
<b>AVG</b>	0.803	3.023	5.43	6.07	0.854
<b>MAX</b>	0.892	3.740	6.45	6.87	1.024

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
06/03/2020	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	06/03/2020
Copper	0.0090
Iron	0.1410
Iron Dissolved	0.0540
Lead	< 0.0030 <
Zinc	0.0290

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	06/02/2020
1,2-Dichloroethane	< 0.0005
Chloroform	0.0023
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005



**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>			
JUNE 2020	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT	
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD		
06/01/2020	1.610	1.190	157.57	1.420	1.720	139.0	
06/02/2020	-	0.380		1.410	1.210	124.3	
06/03/2020	0.800	0.600	78.17	1.410	1.230	134.2	
06/04/2020	0.820	0.990	79.25	1.660	1.760	162.0	
06/05/2020	0.860	0.910	78.22	1.940	2.030	173.1	
06/06/2020	0.790	0.640	79.86	0.940	0.750	87.6	
06/07/2020	0.830	0.920	79.39	2.380	2.520	209.2	
06/08/2020	0.820	0.850	88.99	1.770	1.720	157.3	
06/09/2020	0.860	0.670	99.52	0.570	0.470	57.1	
06/10/2020	-	0.210		1.440	1.540	151.0	
06/11/2020	-	-		3.120	3.290	309.2	
06/12/2020	0.820	0.350	86.50	1.860	1.570	177.6	
06/13/2020	1.730	2.180	140.46	1.610	1.910	174.3	
06/14/2020	-	0.020		1.620	1.840	161.4	
06/15/2020	0.870	0.060	85.57	1.610	1.790	159.6	
06/16/2020	0.830	1.270	79.34	1.700	1.310	186.1	
06/17/2020	0.180	0.270	15.40	0.220	0.120	19.3	
06/18/2020	0.650	0.320	81.31	0.550	0.900	70.9	
06/19/2020	0.830	1.330	85.36	2.050	1.270	208.0	
06/20/2020	0.850	0.870	83.81	2.280	2.780	195.5	
06/21/2020	0.760	0.630	66.95	1.200	1.320	120.7	
06/22/2020	0.800	0.840	81.84	1.120	0.800	114.7	
06/23/2020	0.790	0.990	88.63	1.530	2.120	135.6	
06/24/2020	0.790	0.790	87.05	0.520	-	38.9	
06/25/2020	0.770	0.760	79.40	1.310	1.360	108.2	
06/26/2020	-	-		2.080	2.170	175.7	
06/27/2020	0.810	0.050		1.190	0.840	113.1	
06/28/2020	-	0.770		1.630	2.070	147.1	
06/29/2020	0.840	0.840	91.15	1.890	2.110	154.9	
06/30/2020	-	-		1.770	1.180	152.8	
<b>TOTAL</b>	19.710	19.700	1,894	45.800	45.700	4,318	
<b>AVERAGE</b>	0.657	0.657	86	1.527	1.523	144	

NE Daily Composite

Report: BLS2000721-001  
 Report Date: 07/21/2020

WW200603-015

NEOUT

Composite 24h 06/03/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
TKN	SM 4500 Norg D	6/4/2020	13:20	6/5/2020	12:19	5.23	mg/L as N	1.0	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 87.3%. Acceptance limits are 90 to 110%.
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WW200615-014

NEOUT

Composite 24h 06/15/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	6/15/2020	9:10	7/5/2020	8:05	14	mg/L	2	mg/L
CBOD5	SM 5210 B	6/15/2020	9:30	6/20/2020	8:58	5	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	6/15/2020	8:20	6/15/2020	10:26	4.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 232.8 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 232.8 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 118%. Acceptance limits are 85 to 115%.

WW200618-013

NEOUT

Composite 24h 06/18/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	6/18/2020	12:25	6/23/2020	8:36	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 234.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW200619-013

NEOUT

Composite 24h 06/19/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	6/19/2020	9:30	6/24/2020	7:30	8	mg/L	2	mg/L
Solids Suspended Total	SM 2540 D	6/19/2020	8:17	6/19/2020	10:22	7.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.

WW200620-013

NEOUT

Composite 24h 06/20/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	6/20/2020	7:57	6/20/2020	10:07	6.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 50%. Acceptance limits are 85 to 115%.
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WW200622-014

NEOUT

Composite 24h 06/22/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	6/22/2020	11:35	7/12/2020	7:30	18	mg/L	2	mg/L
CBOD5	SM 5210 B	6/22/2020	11:35	6/27/2020	8:05	5	mg/L	2	mg/L

Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW200628-013

NEOUT

Composite 24h 06/28/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	6/28/2020	9:50	7/3/2020	6:45	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.75 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200629-013

NEOUT

Composite 24h 06/29/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	6/29/2020	9:20	7/4/2020	6:44	8	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.25 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401.
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature:

Name:

Gary Burlingame

Title:

Laboratory Director

Date:

7/21/2020

NE Daily Grab

Report: BLS20200721-002  
 Report Date: 07/21/2020

WW200601-001

NEOUTN

Grab 06/01/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantitray			6/2/2020	7:53	<1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.708. The maximum acceptable PCV is 0.403. The measured results were 4.1 MPN/100mL and <1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200601-002

NEOUTS

Grab 06/01/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantit			6/2/2020	7:53	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.708. The maximum acceptable PCV is 0.403. The measured results were 4.1 MPN/100mL and <1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200608-002

NEOUTN

Grab 06/08/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantitray			6/9/2020	8:36	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.443. The maximum acceptable PCV is 0.403. The measured results were 8.6 MPN/100mL and 3.1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200608-003

NEOUTS

Grab 06/08/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantit			6/9/2020	8:36	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.443. The maximum acceptable PCV is 0.403. The measured results were 8.6 MPN/100mL and 3.1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200618-001

NEOUTN

Grab 06/18/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantit			6/19/2020	8:11	14.6	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.875. The maximum acceptable PCV is 0.403. The measured results were 7.5 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200618-002

NEOUTS

Grab 06/18/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantit			6/19/2020	8:11	25.9	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.875. The maximum acceptable PCV is 0.403. The measured results were 7.5 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200620-001

NEOUTN

Grab 06/20/2020 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			6/20/2020	9:45	0.27	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.06 and 0.05 mg/L.
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WW200620-002

NEOUTS

Grab 06/20/2020 09:22

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			6/20/2020	9:45	0.18	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.06 and 0.05 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

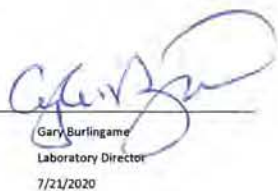
Authorized by:

Signature:

Name:

Title:

Date:



Gary Burlingame  
Laboratory Director  
7/21/2020



Randy E. Hayman, Water Commissioner

July 27, 2020

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for the period of April 2010 to June 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Quarterly

**Report Type:** DMR

**Reporting Period:** 04/01/2020-06/30/2020

**Report Due Date:** 07/28/2020

**Submitted By:** Mary Ellen Senss

**Submission Id:** 218468

**Submission Status:** Received

**Submission Type:** Original



Toxicity (TUA)

Northeast WPCP - Outfall

04/17/2020

Toxicity, Ceriodaphnia acute		1.4
Toxicity, Ceriodaphnia chronic		4
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic	<	1





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Quarterly**  
 DMR Effective From: **04/01/2020**  
 DMR Effective To: **06/30/2020**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM	2020	04	01	TO	2020	06 30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival (61425)	Sample Measurement	***	***	***	***	***	1.4	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Toxicity, Chronic - Ceriodaphnia Survival (61426)	Sample Measurement	***	***	***	***	***	4	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Toxicity, Acute - Pimephales Survival (61427)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	Value is actually "< 1".								
Chlordane (51032)	Sample Measurement	***	***	***	***	< .0004800	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
3,3-Dichlorobenzidine (34631)	Sample Measurement	***	***	***	***	< .0095	***	mg/L	2/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Benzidine (39120)	Sample Measurement	***	***	***	***	< .0048	***	mg/L	3/quarter	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	Grab
4,4-DDT (39300)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
4,4-DDD (39310)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
4,4-DDE (39320)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
alpha-BHC (39336)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
beta-BHC (39338)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
gamma-BHC (Lindane) (39344)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Dieldrin (39380)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Endrin (39390)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Heptachlor (39410)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Toxicity, Chronic - Pimephales Survival (61428)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	Value is actually "< 1".								
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)

## ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
NE WET Testing Composite (05-21-2020).pdf	Laboratory Analytical Report	2020-07-27T11:41:53-04:00	
BLSNE202004.xlsx	WET Test Summary Report	2020-07-27T11:42:48-04:00	

## PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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## UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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## OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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## COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

## SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2020	07	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

NE WET Testing Composite

Report: BLS20200521-002  
 Report Date: 05/21/2020

WW200403-013

NEOUT

Composite 24h 04/03/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/3/2020	10:15	4/8/2020	6:25	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.23 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200408-015

NEOUT

Composite 24h 04/08/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/8/2020	9:35	4/13/2020	9:00	7	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 230.6 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW200413-006

NEOUT

Composite 24h 04/13/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
1,2,4-Trichlorobenzene <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
2,6-Dinitrotoluene <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
2-Chloronaphthalene <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608.3	4/17/2020	14:41	4/21/2020	1:06	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Acenaphthene <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
bis(2-Chloroisopropyl) ether <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
Di-n-butyl phthalate <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<2.86 <sup>E</sup>	µg/L	2.86	µg/L
Fluorene <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
Hexachloroethane <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<9.52 <sup>E</sup>	µg/L	9.52	µg/L
Pyrene <sup>B,D</sup>	EPA 625.1	4/14/2020	13:50	4/24/2020	2:34	<0.952 <sup>E</sup>	µg/L	0.952	µg/L

Data Qualifiers:

1,2,4-Trichlorobenzene	The recovery of LCS is 53%, which is outside the acceptance limits of 57-130%. Results may have greater uncertainty.
2,6-Dinitrotoluene	The recovery of LCS is 65%, which is outside the acceptance limits of 68-137%. Results may have greater uncertainty.
2-Chloronaphthalene	The recovery of LCS is 58%, which is outside the acceptance limits of 65-120%. Results may have greater uncertainty.
4,4'-DDT	The recovery of LCS is 44%, which is outside the acceptance limits of 60-140%. Results may have greater uncertainty.
Acenaphthene	The recovery of LCS is 59%, which is outside the acceptance limits of 60-132%. Results may have greater uncertainty.
bis(2-Chloroisopropyl) ether	The recovery of LCS is 47%, which is outside the acceptance limits of 63-139%. Results may have greater uncertainty.
Di-n-butyl phthalate	The target analyte was detected in the Method, Dilution Water, Instrument or Extraction Blank or Sterility Check at or above the MRL or applicable method, client, or regulatory requirement. Possibility of high bias in the sample result, however it is ND.
Fluorene	The recovery of LCS is 67%, which is outside the acceptance limits of 70-120%. Results may have greater uncertainty.
Hexachloroethane	The recovery of LCS is 49%, which is outside the acceptance limits of 55-120%. Results may have greater uncertainty.
Pyrene	The recovery of LCS is 64%, which is outside the acceptance limits of 70-120%. Results may have greater uncertainty.

WW200415-011

NEOUT

Composite 24h 04/15/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
4,4'-DDD <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
4,4'-DDE <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
4,4'-DDT <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Aldrin <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
alpha-BHC <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
beta-BHC <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
bis(2-Chloroisopropyl) ether <sup>B,D</sup>	EPA 625.1	4/17/2020	13:42	4/24/2020	10:53	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
CBOD5	SM 5210 B	4/15/2020	12:00	4/20/2020	6:50	3.30	mg/L	2	mg/L
Chlordane <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
delta-BHC <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Dieldrin <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan II <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan sulfate <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endrin <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endrin aldehyde <sup>B,D</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L

gamma-BHC <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Heptachlor <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Heptachlor epoxide <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Pyrene <sup>RD</sup>	EPA 625.1	4/17/2020	13:42	4/24/2020	10:53	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
Toxaphene <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/30/2020	18:30	<0.48 <sup>E</sup>	µg/L	0.48	µg/L

Data Qualifiers:

4,4'-DDD	The surrogate recovery of the CCV was below the acceptance criteria.
4,4'-DDE	The surrogate recovery of the CCV was below the acceptance criteria.
4,4'-DDT	The recovery of LCS is 44%, which is outside the acceptance limits of 60-140%. Results may have greater uncertainty. Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The surrogate recovery of the CCV was below the acceptance criteria.
Aldrin	The surrogate recovery of the CCV was below the acceptance criteria.
alpha-BHC	The surrogate recovery of the CCV was below the acceptance criteria.
beta-BHC	The surrogate recovery of the CCV was below the acceptance criteria.
bis(2-Chloroisopropyl) ether	The recovery of LCS is 60%, which is outside the acceptance limits of 63-139%. Results may have greater uncertainty.
CBOD5	Test replicates show >30% difference between highest and lowest values. The Relative Percent Difference between the values is 48%.
Chlordane	The surrogate recovery of the CCV was below the acceptance criteria.
delta-BHC	The surrogate recovery of the CCV was below the acceptance criteria.
Dieldrin	The surrogate recovery of the CCV was below the acceptance criteria.
Endosulfan I	The surrogate recovery of the CCV was below the acceptance criteria.
Endosulfan II	The surrogate recovery of the CCV was below the acceptance criteria.
Endosulfan sulfate	The surrogate recovery of the CCV was below the acceptance criteria.
Endrin	The surrogate recovery of the CCV was below the acceptance criteria.
Endrin aldehyde	The surrogate recovery of the CCV was below the acceptance criteria.
gamma-BHC	The surrogate recovery of the CCV was below the acceptance criteria.
Heptachlor	The surrogate recovery of the CCV was below the acceptance criteria.
Heptachlor epoxide	The surrogate recovery of the CCV was below the acceptance criteria.
Pyrene	The recovery of LCS is 67%, which is outside the acceptance limits of 70-120%. Results may have greater uncertainty.
Toxaphene	The surrogate recovery of the CCV was below the acceptance criteria.

WW200417-006

NEOUT

Composite 24h 04/17/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
4,4'-DDO <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
4,4'-DD <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
4,4'-DDI <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Aldrin <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
alpha-BHC <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Aroclor 1016 <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
Aroclor 1221 <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
Aroclor 1232 <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
Aroclor 1242 <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
Aroclor 1248 <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
Aroclor 1254 <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
Aroclor 1260 <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
beta-BHC <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
bis(2-Chloroisopropyl) ether <sup>RD</sup>	EPA 625.1	4/17/2020	13:42	5/13/2020	21:45	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
bis(2-Ethylhexyl) phthalate <sup>RD</sup>	EPA 625.1	4/17/2020	13:42	5/13/2020	21:45	<2.86 <sup>E</sup>	µg/L	2.86	µg/L
Butyl benzyl phthalate <sup>RD</sup>	EPA 625.1	4/17/2020	13:42	5/13/2020	21:45	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
CBOD5	SM 5210 B	4/17/2020	12:00	4/22/2020	9:10	5.91	mg/L	2	mg/L
Chlordane <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
delta-BHC <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Di-n-octyl phthalate <sup>RD</sup>	EPA 625.1	4/17/2020	13:42	5/13/2020	21:45	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
Dieldrin <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan I <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan II <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endosulfan sulfate <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endrin <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Endrin aldehyde <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
gamma-BHC <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Heptachlor <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
Heptachlor epoxide <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.02 <sup>E</sup>	µg/L	0.02	µg/L
PCBs Total <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/23/2020	4:54	<0.48 <sup>E</sup>	µg/L	0.48	µg/L
Pyrene <sup>RD</sup>	EPA 625.1	4/17/2020	13:42	5/13/2020	21:45	<0.952 <sup>E</sup>	µg/L	0.952	µg/L
Toxaphene <sup>RD</sup>	EPA 608.3	4/22/2020	12:04	4/22/2020	21:19	<0.48 <sup>E</sup>	µg/L	0.48	µg/L

Data Qualifiers:

4,4'-DDD	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
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4,4'-DDE	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
4,4'-DDT	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low. Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The recovery of LCS is 44%, which is outside the acceptance limits of 60-140%. Results may have greater uncertainty.
Aldrin	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
alpha-BHC	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1016	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1221	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1232	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1242	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1248	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1254	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1260	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
beta-BHC	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
bis(2-Chloroisopropyl) ether	The recovery of LCS is 60%, which is outside the acceptance limits of 63-139%. Results may have greater uncertainty.
bis(2-Ethylhexyl) phthalate	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Butyl benzyl phthalate	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
CBOD5	Test replicates show >30% difference between highest and lowest values. The Relative Percent Difference between the values is 31%.
Chlordane	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
delta-BHC	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Di-n-octyl phthalate	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Dieldrin	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endosulfan I	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endosulfan II	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endosulfan sulfate	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endrin	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Endrin aldehyde	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
gamma-BHC	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Heptachlor	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Heptachlor epoxide	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
PCBs Total	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 23% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Pyrene	The recovery of LCS is 67%, which is outside the acceptance limits of 70-120%. Results may have greater uncertainty.
Toxaphene	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 22% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.

WW200422-015

NEOUT

Composite 24h 04/22/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/22/2020	9:30	4/27/2020	8:15	8	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.37 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200423-013

NEOUT

Composite 24h 04/23/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/23/2020	11:20	4/28/2020	8:35	5	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in three blanks was 0.25, 0.26, and 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200426-013

NEOUT

Composite 24h 04/26/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/26/2020	9:50	5/11/2020	8:32	6	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200428-013

NEOUT

Composite 24h 04/28/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/28/2020	11:59	5/3/2020	7:40	3	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200430-013

NEOUT

Composite 24h 04/30/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	4/30/2020	10:15	5/5/2020	7:00	4	mg/L	2	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 240.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature:

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

5/21/2020

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for July 2020

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..





Randy E. Hayman, Water Commissioner

August 28, 2020

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for July 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 07/01/2020-07/31/2020

**Report Due Date:** 08/28/2020

**Submitted By:** Mary Ellen Senss

**Submission Id:** 223669

**Submission Status:** Received

**Submission Type:** Original

# PERMIT NEWPCP - JULY 2020 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)			
			EFF (mg/L)	SS% REM	SS%** REM	LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM		CBOD5** %REM	LBS	LBS***
W	07/01/2020	136	236	4	98		4,522		160	4	98		4,522	
Th	07/02/2020	135	175	4	98		4,506		186	6	97		6,760	16
F	07/03/2020	143	236	4	98		4,775		173	4	98		4,775	
S	07/04/2020	145	262	4	98		4,829		172	5	97		6,037	
Su	07/05/2020	139	240	3	99		3,482		142	5	96		5,803	
M	07/06/2020	140	225	2	99		2,342		155	4	97		4,685	10
T	07/07/2020	240	266	12	95		23,986		130	10	92		19,988	
W	07/08/2020	168	239	2	99		2,794		161	5	97		6,985	9
Th	07/09/2020	126	299	2	99		2,103		159	3	98		3,155	
F	07/10/2020	134	242	3	99		3,354		157	2	99		2,236	9
S	07/11/2020	315	49	11	85	78	28,924		88	9	90		23,665	
Su	07/12/2020	180	178	2	99		3,001		115	2	98		3,001	
M	07/13/2020	188	194	2	99		3,142		124	2	98		3,142	10
T	07/14/2020	159	224	2	99		2,647		138	2	99		2,647	
W	07/15/2020	154	172	2	99		2,562		162	4	98		5,124	9
Th	07/16/2020	151	233	3	99		3,775		157	2	99		2,517	
F	07/17/2020	152	204	2	99		2,539		161	5	97		6,348	
S	07/18/2020	150	206	1	100		1,252		163	2	99		2,505	
Su	07/19/2020	149	237	2	99		2,485		146	2	99		2,485	
M	07/20/2020	152	204	2	99		2,535		149	2	99		2,535	14
T	07/21/2020	151	214	2	99		2,518		145	5	97		6,296	
W	07/22/2020	149	287	2	99		2,488		152	2	99		2,488	13
Th	07/23/2020	184	261	8	97		12,245		155	7	95		10,714	
F	07/24/2020	206	196	6	97		10,289		105	5	95		8,574	
S	07/25/2020	277	145	8	94		18,512		78	6	92		13,884	
Su	07/26/2020	169	257	4	98		5,626		107	2	98		2,813	
M	07/27/2020	164	227	2	99		2,742		113	2	98		2,742	10
T	07/28/2020	161	218	3	99		4,033		143	2	99		2,689	
W	07/29/2020	161	196	4	98		5,371		189	2	99		2,686	10
Th	07/30/2020	151	190	3	98		3,790		154	5	97		6,316	
F	07/31/2020	157	245	3	99		3,933		179	3	98		3,933	
S	08/01/2020	154	133	4	97		5,148		186	3	98		3,861	

TOTAL	5,186	6,757							4,518					
AVERAGE	167	218	4	98	78	5,842			146	4	97		5,873	11

Wk1	180	223	5	97		9,569			142	5	96		9,502	
Wk2	162	202	2	99		2,703			146	3	98		3,612	
Wk3	181	221	4	98		7,296			133	4	97		6,711	
Wk4	160	209	3	98		4,377			153	3	98		3,577	

MAX 315

CBOD 20 LBS-- 13,988

NPDES/D														
LIMITS		MO	<30	>85		<52,540			<25	>86		<36,430		
		WK	<45			<78,810			<40			<54,645		

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - JULY 2020**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
W 07/01/2020	136	6.9	6.9	5.5	0.29	11		
Th 07/02/2020	135	6.9	6.9	5.6	0.26	6		
F 07/03/2020	143	6.9	6.9	5.8	0.25	7		
S 07/04/2020	145	6.9	6.9	5.8	0.17	8		
Su 07/05/2020	139	6.8	6.8	6.0	0.19	8		
M 07/06/2020	140	6.8	6.8	5.9	0.21	2		
T 07/07/2020	240	6.7	6.7	5.9	0.15	10		
W 07/08/2020	168	6.8	6.8	5.9	0.21	9		
Th 07/09/2020	126	6.8	6.8	5.7	0.18	22		
F 07/10/2020	134	6.9	6.9	5.6	0.21	7		
S 07/11/2020	315	6.7	6.7	4.3	0.12	42		
Su 07/12/2020	180	6.8	6.8	4.9	0.19	9		
M 07/13/2020	188	6.7	6.7	4.5	0.21	2		
T 07/14/2020	159	6.8	6.8	4.6	0.17	2		
W 07/15/2020	154	6.8	6.8	5.2	0.16	2		
Th 07/16/2020	151	6.8	6.8	5.6	0.16	8		
F 07/17/2020	152	6.8	6.8	5.7	0.16	6		
S 07/18/2020	150	6.8	6.8	6.4	0.12	4		
Su 07/19/2020	149	6.8	6.8	5.9	0.11	7		
M 07/20/2020	152	6.8	6.7	5.9	0.18	3		
T 07/21/2020	151	6.8	6.7	5.9	0.19	262		
W 07/22/2020	149	6.8	6.8	5.6	0.23	10		
Th 07/23/2020	184	6.6	6.6	5.9	0.24	10		
F 07/24/2020	206	6.7	6.7	5.8	0.29	5		
S 07/25/2020	277	6.8	6.8	5.7	0.18	7		
Su 07/26/2020	169	6.8	6.7	5.3	0.14	2		
M 07/27/2020	164	6.8	6.8	4.8	0.17	2		
T 07/28/2020	161	6.8	6.8	4.2	0.21	4		
W 07/29/2020	161	6.8	6.8	5.0	0.18	5		
Th 07/30/2020	151	6.8	6.8	5.2	0.30	7		
F 07/31/2020	157	6.9	6.8	5.4	0.25	7		
S 08/01/2020	154	6.8	6.8	4.9	0.20	5		
<b>TOTAL</b>	<b>5,029</b>	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>AVG</b>	<b>AVG</b>	<b>MAX</b>	<b>GEOMETRIC</b>
<b>AVERAGE</b>	<b>168</b>	<b>6.6</b>	<b>6.9</b>	<b>4.2</b>	<b>5.4</b>	<b>0.19</b>	<b>0.30</b>	<b>MEAN</b>
								<b>7</b>

Wk1 180  
Wk2 162  
Wk3 181  
Wk4 160

**MAX** 315

NPDES/D EFFLUENT  
LIMITS MIN MAX  
6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - JULY 2020  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
07/01/2020	0.36	0.21	0.29	5.6	5.4	5.5	11	11	11
07/02/2020	0.32	0.20	0.26	5.6	5.6	5.6	6	6	6
07/03/2020	0.30	0.19	0.25	5.7	5.8	5.8	5	9	7
07/04/2020	0.19	0.14	0.17	5.7	5.9	5.8	4	16	8
07/05/2020	0.24	0.13	0.19	5.9	6.1	6.0	13	5	8
07/06/2020	0.28	0.14	0.21	5.8	6.0	5.9	2	3	2
07/07/2020	0.18	0.12	0.15	5.9	5.9	5.9	9	12	10
07/08/2020	0.27	0.14	0.21	5.7	6.0	5.9	8	11	9
07/09/2020	0.26	0.10	0.18	5.6	5.7	5.7	56	8	22
07/10/2020	0.26	0.16	0.21	5.5	5.7	5.6	10	5	7
07/11/2020	0.12	0.12	0.12	4.2	4.3	4.3	53	33	42
07/12/2020	0.25	0.13	0.19	4.8	4.9	4.9	20	4	9
07/13/2020	0.23	0.19	0.21	4.4	4.5	4.5	2	3	2
07/14/2020	0.23	0.11	0.17	4.5	4.7	4.6	<	3	2
07/15/2020	0.18	0.13	0.16	5.0	5.3	5.2	2	3	2
07/16/2020	0.19	0.12	0.16	5.5	5.7	5.6	6	11	8
07/17/2020	0.21	0.10	0.16	5.5	5.9	5.7	4	8	6
07/18/2020	0.16	0.08	0.12	6.3	6.4	6.4	2	9	4
07/19/2020	0.14	0.08	0.11	5.8	5.9	5.9	5	10	7
07/20/2020	0.20	0.16	0.18	5.8	6.0	5.9	2	4	3
07/21/2020	0.22	0.16	0.19	5.7	6.0	5.9	1,986	35	262
07/22/2020	0.22	0.23	0.23	5.6	5.5	5.6	19	5	10
07/23/2020	0.29	0.19	0.24	5.7	6.0	5.9	6	17	10
07/24/2020	0.33	0.24	0.29	5.6	5.9	5.8	4	6	5
07/25/2020	0.22	0.13	0.18	5.4	5.9	5.7	4	11	7
07/26/2020	0.16	0.12	0.14	5.2	5.4	5.3	1	4	2
07/27/2020	0.19	0.14	0.17	4.7	4.9	4.8	1	4	2
07/28/2020	0.23	0.18	0.21	4.2	4.2	4.2	4	4	4
07/29/2020	0.24	0.11	0.18	4.8	5.1	5.0	5	5	5
07/30/2020	0.40	0.20	0.30	5.1	5.3	5.2	8	6	7
07/31/2020	0.29	0.21	0.25	5.4	5.4	5.4	8	6	7
#REF!									
Avg	0.24	0.15	0.19	5.4	5.5	5.4	7	7	7

# PERMIT

## NEWPCP - JULY 2020

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
07/01/2020			
07/02/2020	214	8	96%
07/03/2020			
07/04/2020	218	7	97%
07/05/2020			
07/06/2020	149	8	95%
07/07/2020			
07/08/2020	184	6	97%
07/09/2020			
07/10/2020			
07/11/2020			
07/12/2020			
07/13/2020	110	4	96%
07/14/2020			
07/15/2020	166	5	97%
07/16/2020			
07/17/2020			
07/18/2020			
07/19/2020			
07/20/2020	136	6	96%
07/21/2020			
07/22/2020	143	7	95%
07/23/2020			
07/24/2020			
07/25/2020			
07/26/2020			
07/27/2020	125	5	96%
07/28/2020			
07/29/2020	179	5	97%
07/30/2020			
#REF!			
AVG	162	6	96%

**DESIGN - 210 MGD**

<b>NEWPCP - JULY 2020</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
07/01/2020	41	67	27	136	191	T
07/02/2020	40	67	28	135	191	
07/03/2020	40	74	29	143	192	T
07/04/2020	41	73	31	145	233	
07/05/2020	41	66	32	139	191	
07/06/2020	41	50	49	140	187	0.24
07/07/2020	77	113	49	240	471	
07/08/2020	48	70	49	168	254	
07/09/2020	32	73	20	126	270	
07/10/2020	36	74	24	134	251	T
07/11/2020	101	151	63	315	472	4.15
07/12/2020	55	91	34	180	227	0.07
07/13/2020	65	89	34	188	299	0.04
07/14/2020	49	80	29	159	194	
07/15/2020	48	78	28	154	198	
07/16/2020	47	74	30	151	211	
07/17/2020	46	75	31	152	201	0.01
07/18/2020	46	74	30	150	190	
07/19/2020	46	70	33	149	192	
07/20/2020	46	77	29	152	206	
07/21/2020	46	72	33	151	221	T
07/22/2020	47	70	33	149	209	0.45
07/23/2020	65	80	38	184	389	0.15
07/24/2020	80	85	41	206	350	0.11
07/25/2020	90	135	52	277	474	
07/26/2020	53	81	35	169	212	T
07/27/2020	51	78	35	164	210	
07/28/2020	49	77	35	161	232	
07/29/2020	49	76	36	161	234	
07/30/2020	98	21	33	151	227	0.2
07/31/2020	48	73	36	157	222	0.12
<b>TOTAL</b>	<b>1,666</b>	<b>2,433</b>	<b>981</b>	<b>4,717</b>		<b>5.54</b>
<b>AVG</b>	<b>54</b>	<b>78</b>	<b>35</b>	<b>167</b>		
			<b>MIN</b>	<b>126</b>	<b>187</b>	
			<b>MAX</b>	<b>315</b>	<b>474</b>	

\* ADJUSTED FOR RECYCLE.



Toxicity (TUA)

Northeast WPCP - Outfall

07/10/2020

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic	<	1
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic	<	1



**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
JULY 2020	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD	
07/01/2020	0.785	0.795	76.04	1.796	1.814	151.3
07/02/2020	0.827	0.822	83.13	1.502	1.410	111.0
07/03/2020	0.773	0.773	75.16	1.069	1.155	104.4
07/04/2020	0.856	0.719	92.12	1.005	0.987	81.1
07/05/2020	0.801	0.924	77.83	0.759	0.476	67.8
07/06/2020	0.849	0.414	83.49	0.046	-	3.2
07/07/2020	0.754	1.230	86.57	-	0.292	-
07/08/2020	-		(0.47)	1.387	1.537	-
07/09/2020	0.768	1.030	83.76	1.188	1.184	109.4
07/10/2020	0.750	0.754	87.78	1.212	1.252	103.1
07/11/2020	0.859	0.863	85.54	0.896	0.368	63.8
07/12/2020	0.785	0.789	105.86	0.961	1.481	76.0
07/13/2020	0.841	0.828	74.09	1.049	0.780	121.1
07/14/2020	0.823	0.833	101.95	1.309	1.399	146.0
07/15/2020	0.865	0.860	99.68	0.246	0.126	28.4
07/16/2020	0.800	0.598	96.13	0.768	0.911	67.0
07/17/2020	-		(0.37)	0.881	0.935	143.6
07/18/2020	0.842	1.565	97.17	0.878	0.540	88.6
07/19/2020	0.758	0.617	88.71	0.808	0.960	72.0
07/20/2020	0.836	0.972	89.58	1.560	1.719	144.0
07/21/2020	0.751	0.537	77.60	1.024	0.961	65.9
07/22/2020	0.858	0.872	87.75	0.731	0.518	64.7
07/23/2020	0.714	0.746	83.72	1.034	1.025	96.2
07/24/2020	0.785	0.951	64.68	0.829	0.996	64.5
07/25/2020	-		(1.63)	0.792	0.797	63.8
07/26/2020	0.842	0.992	73.88	1.080	1.097	110.6
07/27/2020	0.805	0.791	96.32	1.034	1.239	103.3
07/28/2020	-	0.006	(0.75)	1.318	1.009	99.9
07/29/2020	-	0.004	(0.90)	-	0.027	(0.9)
07/30/2020	0.798	0.702	86.73	1.441	1.619	143.7
07/31/2020	0.764	0.508	81.43	1.477	0.793	153.2
<b>TOTAL</b>	20.887	21.494	2,233	30.079	29.408	2,647
<b>AVERAGE</b>	0.674	0.768	72	0.970	0.949	85



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **07/01/2020**  
 DMR Effective To: **07/31/2020**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2020	07	01	TO	2020	07	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	4.2	5.4	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	6.9	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	5824	9569	lbs/day	***	4	5	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	4.13	4.98	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	1.055	1.410	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.644	3.790	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	5.34	6.52	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.431	.571	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Chloroform (32106)	Sample Measurement	***	***	***	***	.0019	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	<.050	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	<.0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0053	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.1187	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0657	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	< .0030	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0253	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	167	315	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.19	.30	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	7	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
	Facility Parameter Comments	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	5873	9502	lbs/day	***	4	5	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	13988	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 07/01/2020  
 DMR Effective To: 07/31/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	07	01	TO	2020	07	31

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	97	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	98	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
202007SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2020-08-28T09:26:26-04:00	
BLSNE202007.xlsx	Nutrient Monitoring Form	2020-08-28T09:26:56-04:00	
NE Daily Composite (08-21-2020).pdf	Laboratory Accreditation Form	2020-08-28T09:27:29-04:00	
NE Daily Grab (08-21-2020).pdf	Laboratory Accreditation Form	2020-08-28T09:27:57-04:00	
NECSO 202007.xlsx	CSO Detailed Outfall Report Form	2020-08-28T09:28:24-04:00	
E-NPDES NE-202007.xlsx	Daily Effluent Monitoring Form	2020-08-28T09:25:53-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. A flow in excess of 315 MGD qualified for permit relief on the 11th of the month and was used in compliance reporting. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2020	08	28
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

NE Daily Composite

Report: BLS20200821-001  
 Report Date: 08/21/2020

WW200702-015

NEOUT

Composite 24h 07/02/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	7/2/2020	11:20	7/22/2020	8:19	16	mg/L	2.0	mg/L
CBOD5	SM 5210 B	7/2/2020	11:20	7/7/2020	8:34	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.28 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Glucose-Glutamic Acid (GGA) recovery is 231.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.								
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.28 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Glucose-Glutamic Acid (GGA) recovery is 231.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.								

WW200703-013

NEOUT

Composite 24h 07/03/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	7/3/2020	10:00	7/8/2020	7:00	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 247.6 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.								
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WW200706-015

NEOUT

Composite 24h 07/06/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	7/6/2020	8:00	7/6/2020	10:05	2.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 125%. Acceptance limits are 85 to 115%.								
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WW200708-013

NEOUT

Composite 24h 07/08/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	7/8/2020	8:17	7/8/2020	10:27	2.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 118%. Acceptance limits are 85 to 115%.								
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WW200712-013

NEOUT

Composite 24h 07/12/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	7/12/2020	9:30	7/17/2020	7:00	2	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.								
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WW200715-015

NEOUT

Composite 24h 07/15/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	7/15/2020	1:25	8/4/2020	7:35	9	mg/L	2.0	mg/L
CBOD5	SM 5210 B	7/15/2020	11:05	7/20/2020	8:24	4	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	7/15/2020	8:15	7/15/2020	10:17	2.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 83%. Acceptance limits are 85 to 115%.								

WW200718-013

NEOUT

Composite 24h 07/18/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	7/18/2020	7:35	7/18/2020	9:35	1.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW200722-015

NEOUT

Composite 24h 07/22/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	7/22/2020	11:40	8/11/2020	7:25	13	mg/L	2.0	mg/L
CBOD5	SM 5210 B	7/22/2020	11:51	7/27/2020	8:10	2	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.83 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was and 0.83 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW200726-013

NEOUT

Composite 24h 07/26/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	7/26/2020	10:57	7/31/2020	8:20	2	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 236.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW200731-013

NEOUT

Composite 24h 07/31/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	7/31/2020	11:15	8/5/2020	7:30	3	mg/L	2.0	mg/L

Data Qualifiers:

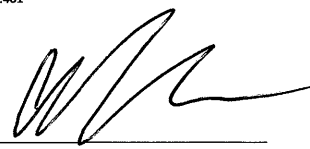
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 230.5 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature:



Name: Aaron Bitler

Title: Laboratory Manager

Date: 8/21/2020

NE Daily Grab

Report: BLS20200821-002  
 Report Date: 08/21/2020

WW200704-001

NEOUTN

Grab 07/04/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18 /Quantitray			7/5/2020	8:08	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.477. The maximum acceptable PCV is 0.403. The measured results were <1 MPN/100mL and 2.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
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WW200704-002

NEOUTS

Grab 07/04/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18 /Quantitray			7/5/2020	8:08	15.5	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.477. The maximum acceptable PCV is 0.403. The measured results were <1 MPN/100mL and 2.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.
--	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature:



Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

8/21/2020





Randy E. Hayman, Water Commissioner

September 24, 2020

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for August 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name:** PHILA WATER DEPT - NORTHEAST WPC PLANT

**Permit Number:** PA0026689

**Report Frequency:** Monthly

**Report Type:** DMR

**Reporting Period:** 08/01/2020-08/31/2020

**Report Due Date:** 09/28/2020

**Submitted By:** Mary Ellen Senss

**Submission Id:** 226636

**Submission Status:** Received

**Submission Type:** Original

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for August 2020

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - AUGUST 2020 COMPOSITE SAMPLES

	DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS			LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD <sub>5</sub>		LBS	CBOD 20 (mg/L)
				EFF (mg/L)	SS% REM	SS%** REM					CBOD5 %REM	CBOD5** %REM		
S	08/01/2020	154	138	4	97		5,148	167	3	98		3,861		
Su	08/02/2020	151	204	3	99		3,769	147	2	99		2,513		
M	08/03/2020	153	173	3	98		3,820	168	3	98		3,820	11	
T	08/04/2020	175	149	4	97		5,839	146	4	97		5,839		
W	08/05/2020	309	219	11	95		28,309	146	10	93		25,736	10	
Th	08/06/2020	307	151	3	98		7,671	106	3	97		7,671		
F	08/07/2020	190	161	3	98		4,762	95	2	98		3,175		
S	08/08/2020	207	144	4	97		6,892	121	4	97		6,892		
Su	08/09/2020	167	212	5	98		6,954	144	2	99		2,782		
M	08/10/2020	158	204	2	99		2,642	130	2	98		2,642	10	
T	08/11/2020	168	206	2	99		2,799	117	6	95		8,397		
W	08/12/2020	164	270	3	99		4,114	109	2	98		2,742	13	
Th	08/13/2020	186	262	3	99		4,642	125	2	98		3,095		
F	08/14/2020	194	203	3	99		4,853	100	3	97		4,853		
S	08/15/2020	162	295	2	99		2,703	140	5	96		6,758		
Su	08/16/2020	170	181	2	99		2,834	144	4	97		5,669		
M	08/17/2020	212	167	2	99		3,544	139	3	98		5,316	10	
T	08/18/2020	177	227	3	99		4,426	142	2	99		2,951		
W	08/19/2020	155	190	2	99		2,590	134	2	99		2,590	7	
Th	08/20/2020	237	208	2	99		3,955	150	2	99		3,955		
F	08/21/2020	149	251	2	99		2,477	148	2	99		2,477		
S	08/22/2020	150	194	2	99		2,500	148	3	98		3,749		
Su	08/23/2020	236	203	2	99		3,938	169	2	99		3,938		
M	08/24/2020	178	251	3	99		4,463	160	3	98		4,463	11	
T	08/25/2020	153	142	3	98		3,830	128	2	98		2,554		
W	08/26/2020	158	162	2	99		2,631	182	3	98		3,946	9	
Th	08/27/2020	146	169	2	99		2,434	126	2	98		2,434		
F	08/28/2020	150	243	2	99		2,503	135	4	97		5,006		
S	08/29/2020	158	232	4	98		5,286	142	4	97		5,286		
Su	08/30/2020	168	203	2	99		2,801	147	4	97		5,603		
M	08/31/2020	155	165	3	98		3,889	132	2	98		2,593		

TOTAL	5,597	6,176					4,286							
AVERAGE	181	199	3	98		4,807	138	3	98		4,945		10	

Wk1	213	172	4	97		8,723	133	4	97		7,949	
Wk2	171	236	3	99		4,101	123	3	97		4,467	
Wk3	179	202	2	99		3,189	144	3	98		3,815	
Wk4	169	200	3	99		3,584	149	3	98		3,947	

MAX 309

CBOD 20 LBS-- 15,721

NPDES/D	MO	<30	>85	<52,540	<25	>86	<36,430
LIMITS	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - AUGUST 2020  
GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)		CHLORINE RESIDUALS (mg/L)		FECAL COLIFORM (MPN / 100mL)
		N	S	MIN	AVG	AVG	MAX	
S 08/01/2020	154	6.8	6.8	5.7		0.19		10
Su 08/02/2020	151	6.8	6.8	5.8		0.23		8
M 08/03/2020	153	6.9	6.8	5.6		0.25		5
T 08/04/2020	175	6.8	6.7	4.0		0.31		14
W 08/05/2020	309	6.7	6.6	5.6		0.17		10
Th 08/06/2020	307	6.9	6.9	5.9		0.31		12
F 08/07/2020	190	6.8	6.8	5.3		0.38		4
S 08/08/2020	207	6.7	6.7	5.8		0.14		27
Su 08/09/2020	167	6.9	6.8	5.6		0.20		6
M 08/10/2020	158	6.8	6.8	5.4		0.22		4
T 08/11/2020	168	6.7	6.8	4.8		0.19		6
W 08/12/2020	164	6.8	6.8	4.7		0.16		5
Th 08/13/2020	186	6.8	6.8	4.7		0.13		5
F 08/14/2020	194	6.7	6.7	5.2		0.10		23
S 08/15/2020	162	6.8	6.8	5.5		0.25		12
Su 08/16/2020	170	6.8	6.8	4.6		0.44		4
M 08/17/2020	212	6.8	6.8	6.1		0.17		4
T 08/18/2020	177	6.8	6.8	6.1		0.16		8
W 08/19/2020	155	6.8	6.8	5.9		0.23		2
Th 08/20/2020	237	6.8	6.8	6.1		0.25		5
F 08/21/2020	149	6.8	6.8	5.8		0.24		3
S 08/22/2020	150	6.7	6.7	5.7		0.29		4
Su 08/23/2020	236	6.9	6.8	5.8		0.20		2
M 08/24/2020	178	6.7	6.7	5.6		0.17		8
T 08/25/2020	153	6.8	6.8	5.1		0.08		58
W 08/26/2020	158	6.8	6.8	4.7		0.32		7
Th 08/27/2020	146	6.8	6.8	4.8		0.18		6
F 08/28/2020	150	6.9	6.8	5.5		0.32		9
S 08/29/2020	158	6.6	6.6	6.0		0.09		354
Su 08/30/2020	168	6.8	6.8	5.9		0.22		4
M 08/31/2020	155	6.8	6.7	6.0		0.25		5
<b>TOTAL</b>	<b>5,441</b>	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>AVG</b>	<b>AVG</b>	<b>MAX</b>	
<b>AVERAGE</b>	<b>181</b>	<b>6.6</b>	<b>6.9</b>	<b>4.0</b>	<b>5.4</b>	<b>0.22</b>	<b>0.44</b>	<b>GEOMETRIC MEAN</b>
								<b>8</b>

Wk1 213  
Wk2 171  
Wk3 179  
Wk4 169

**MAX** 309

EFFLUENT  
NPDES/D  
LIMITS  
MIN MAX  
6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - AUGUST 2020  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
08/01/2020	0.21	0.17	0.19	5.6	5.8	5.7	6	17	10
08/02/2020	0.27	0.19	0.23	5.7	5.8	5.8	11	6	8
08/03/2020	0.30	0.19	0.25	5.4	5.7	5.6	9	3	5
08/04/2020	0.32	0.29	0.31	4.2	3.7	4.0	10	20	14
08/05/2020	0.18	0.15	0.17	5.5	5.6	5.6	11	10	10
08/06/2020	0.39	0.23	0.31	5.8	5.9	5.9	4	35	12
08/07/2020	0.42	0.33	0.38	5.1	5.4	5.3	3	5	4
08/08/2020	0.16	0.11	0.14	5.8	5.8	5.8	24	31	27
08/09/2020	0.24	0.16	0.20	5.4	5.7	5.6	4	9	6
08/10/2020	0.27	0.16	0.22	5.4	5.4	5.4	2	10	4
08/11/2020	0.23	0.14	0.19	4.7	4.9	4.8	6	6	6
08/12/2020	0.20	0.11	0.16	4.6	4.7	4.7	4	6	5
08/13/2020	0.15	0.11	0.13	4.7	4.7	4.7	2	11	5
08/14/2020	0.11	0.08	0.10	5.0	5.3	5.2	22	24	23
08/15/2020	0.31	0.19	0.25	5.5	5.4	5.5	16	9	12
08/16/2020	0.45	0.43	0.44	4.8	4.4	4.6	6	3	4
08/17/2020	0.21	0.13	0.17	6.0	6.1	6.1	4	3	4
08/18/2020	0.19	0.12	0.16	5.9	6.2	6.1	5	13	8
08/19/2020	0.28	0.17	0.23	5.9	5.9	5.9	2	3	2
08/20/2020	0.34	0.16	0.25	6.1	6.0	6.1	5	4	5
08/21/2020	0.30	0.18	0.24	5.8	5.8	5.8	2	4	3
08/22/2020	0.35	0.22	0.29	5.7	5.7	5.7	4	3	4
08/23/2020	0.25	0.14	0.20	5.7	5.8	5.8	2	2	2
08/24/2020	0.20	0.13	0.17	5.5	5.6	5.6	9	7	8
08/25/2020	0.11	0.05	0.08	5.0	5.2	5.1	44	78	58
08/26/2020	0.39	0.24	0.32	4.7	4.7	4.7	5	9	7
08/27/2020	0.23	0.13	0.18	4.5	5.0	4.8	4	10	6
08/28/2020	0.40	0.23	0.32	5.4	5.5	5.5	10	9	9
08/29/2020	0.10	0.08	0.09	5.9	6.0	6.0	420	299	354
08/30/2020	0.30	0.14	0.22	5.8	6.0	5.9	3	5	4
08/31/2020	0.24	0.25	0.25	5.8	6.2	6.0	4	6	5
Avg	0.26	0.17	0.22	5.4	5.5	5.4	7	9	8

# PERMIT

## NEWPCP - AUGUST 2020

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
08/01/2020			
08/02/2020			
08/03/2020	134	2	99%
08/04/2020			
08/05/2020	94	10	89%
08/06/2020			
08/07/2020			
08/08/2020			
08/09/2020			
08/10/2020	131	5	96%
08/11/2020			
08/12/2020	148	6	96%
08/13/2020			
08/14/2020			
08/15/2020			
08/16/2020			
08/17/2020	114	4	96%
08/18/2020			
08/19/2020	185	5	97%
08/20/2020			
08/21/2020			
08/22/2020			
08/23/2020			
08/24/2020	130	6	95%
08/25/2020			
08/26/2020	149	6	96%
08/27/2020			
08/28/2020			
08/29/2020			
08/30/2020			
08/31/2020			
AVG	136	6	96%

**DESIGN - 210 MGD**

<b>NEWPCP - AUGUST 2020</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
08/01/2020	47	73	34	154	215	
08/02/2020	46	71	34	151	188	
08/03/2020	49	71	34	153	215	T
08/04/2020	62	72	41	175	375	4.16
08/05/2020	92	152	64	309	470	
08/06/2020	148	48	111	307	215	0.44
08/07/2020	60	88	42	190	384	1.03
08/08/2020	70	91	46	207	374	
08/09/2020	52	76	39	167	209	T
08/10/2020	49	74	35	158	207	
08/11/2020	53	75	40	168	230	
08/12/2020	50	76	38	164	210	1.44
08/13/2020	58	85	43	186	344	0.05
08/14/2020	75	78	41	194	342	
08/15/2020	50	75	37	162	208	T
08/16/2020	54	73	42	170	324	0.63
08/17/2020	67	95	50	212	362	T
08/18/2020	52	82	43	177	231	
08/19/2020	48	73	34	155	207	0.01
08/20/2020	96	73	69	237	189	
08/21/2020	47	70	32	149	205	
08/22/2020	47	72	31	150	189	
08/23/2020	93	77	66	236	192	0.11
08/24/2020	67	77	35	178	364	T
08/25/2020	47	75	32	153	193	
08/26/2020	46	74	38	158	228	
08/27/2020	46	64	36	146	183	
08/28/2020	46	65	40	150	221	0.52
08/29/2020	55	59	44	158	398	0.12
08/30/2020	47	72	49	168	210	
08/31/2020	46	63	46	155	203	0.02
#REF!						
<b>TOTAL</b>	<b>1,861</b>	<b>2,369</b>	<b>1,228</b>	<b>5,115</b>		<b>8.53</b>
<b>AVG</b>	<b>60</b>	<b>76</b>	<b>44</b>	<b>181</b>		
			<b>MIN</b>	<b>146</b>	<b>183</b>	
			<b>MAX</b>	<b>309</b>	<b>470</b>	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **08/01/2020**  
 DMR Effective To: **08/31/2020**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2020	08	01	TO	2020	08	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	4.0	5.4	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	6.9	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	4807	8723	lbs/day	***	3	4	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	3.36	4.67	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.923	1.330	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.340	3.050	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	5.43	8.19	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.415	.744	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0045	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	< .050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Facility Parameter Comments	See attached data qualifier report.									
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0060	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.1480	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0600	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Lead, Total (01051)	Sample Measurement	***	***	***	***	< .0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0220	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	181	309	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.22	.44	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	8	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	4945	7949	lbs/day	***	3	4	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	15721	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***		***	***	***		2/week	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 08/01/2020  
 DMR Effective To: 08/31/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 2020	08	01	TO	2020	08	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	98	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	98	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
202008SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2020-09-24T10:23:46-04:00	
NECSO 202008.xlsx	CSO Detailed Outfall Report Form	2020-09-24T10:24:10-04:00	
NE Daily Composite (09-21-2020).pdf	Laboratory Accreditation Form	2020-09-24T10:24:52-04:00	
BLSNE202008.xlsx	Nutrient Monitoring Form	2020-09-24T10:23:17-04:00	
E-NPDES NE-202008.xlsx	Daily Effluent Monitoring Form	2020-09-24T10:22:49-04:00	
NE Daily Grab (09-21-2020).pdf	Laboratory Accreditation Form	2020-09-24T10:25:20-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2020	09	24
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>			
AUGUST 2020	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT	
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD		
08/01/2020	-	0.005	-	1.227	1.242	120.4	
08/02/2020	0.784	1.282	86.19	0.974	1.251	102.4	
08/03/2020	0.841	0.387	101.30	1.252	1.044	95.5	
08/04/2020	-	0.664	-	2.220	2.349	199.2	
08/05/2020	1.585	1.351	177.90	1.077	0.778	101.8	
08/06/2020	0.809	0.792	64.89	1.629	2.022	179.2	
08/07/2020	0.814	1.001	92.88	1.675	1.879	157.8	
08/08/2020	0.834	0.482	100.08	0.326	0.336	34.1	
08/09/2020	-	0.475	-	0.582	0.555	69.2	
08/10/2020	0.819	0.578	74.89	0.890	0.859	111.6	
08/11/2020	0.855	0.963	70.32	0.895	0.680	68.1	
08/12/2020	0.807	0.958	88.18	0.927	1.068	105.7	
08/13/2020	0.856	0.065	93.57	0.956	1.029	82.3	
08/14/2020	0.814	0.819	93.90	1.087	0.640	178.2	
08/15/2020	0.801	1.300	92.73	0.820	1.097	68.9	
08/16/2020	-	-	-	0.792	0.583	82.9	
08/17/2020	0.804	1.468	73.72	0.982	1.111	103.0	
08/18/2020	0.803	0.568	88.13	1.086	0.787	128.6	
08/19/2020	-	-	-	0.007	0.399	-	
08/20/2020	0.842	1.029	79.23	2.242	2.446	236.3	
08/21/2020	0.823	0.470	97.16	2.154	2.164	161.0	
08/22/2020	-	0.475	-	1.289	1.261	128.0	
08/23/2020	0.724	0.484	83.19	0.945	0.914	107.7	
08/24/2020	0.817	0.926	88.71	1.744	1.530	223.2	
08/25/2020	0.832	0.983	91.56	2.507	2.648	199.3	
08/26/2020	0.822	0.562	83.31	1.029	1.103	116.3	
08/27/2020	0.828	1.106	85.20	1.521	1.489	143.0	
08/28/2020	0.771	0.776	67.47	2.252	1.928	223.7	
08/29/2020	0.810	0.805	84.54	1.364	1.414	154.0	
08/30/2020	0.850	0.763	84.07	0.706	1.162	75.5	
08/31/2020	0.850	1.432	161.62	0.706	0.953	157.4	
<b>TOTAL</b>	21.194	22.968	2,305	37.863	38.721	3,914	
<b>AVERAGE</b>	0.684	0.792	74	1.221	1.249	126	

NE Daily Composite

WW200801-013

NEOUT

Composite 24h 08/01/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	8/1/2020	7:52	8/1/2020	10:02	4.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW200802-013

NEOUT

Composite 24h 08/02/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/2/2020	12:15	8/7/2020	8:53	2	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	8/2/2020	8:10	8/2/2020	10:21	3.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 234.3 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 75%. Acceptance limits are 85 to 115%.

WW200809-013

NEOUT

Composite 24h 08/09/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/9/2020	10:56	8/14/2020	7:10	2	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 237.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW200812-016

NEOUT

Composite 24h 08/12/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Phenols <sup>80</sup>	EPA 420.1	8/20/2020	13:45	8/21/2020	16:18	<0.050 <sup>1</sup>	mg/L	0.050	mg/L

Data Qualifiers:

Phenols	The Matrix Spike associated with this sample is below established acceptance criteria, indicating potential matrix interference. Results of this sample may be biased low.
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WW200816-013

NEOUT

Composite 24h 08/16/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	8/16/2020	8:19	8/16/2020	10:20	2.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 133%. Acceptance limits are 85 to 115%.
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WW200817-014

NEOUT

Composite 24h 08/17/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	8/17/2020	10:50	9/6/2020	7:30	10	mg/L	2.0	mg/L
CBOD5	SM 5210 B	8/17/2020	10:50	8/22/2020	7:55	3	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 232.5 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 232.5 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.

WW200819-015

NEOUT

Composite 24h 08/19/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	8/19/2020	8:05	8/19/2020	10:20	2.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 80%. Acceptance limits are 85 to 115%.
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WW200827-013

NEOUT

Composite 24h 08/27/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	8/27/2020	7:42	8/27/2020	9:48	2.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 70%. Acceptance limits are 85 to 115%.
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WW200829-013

NEOUT

Composite 24h 08/29/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	8/29/2020	11:07	9/3/2020	8:20	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 236.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: \_\_\_\_\_

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

9/21/2020

NE Daily Grab

Report: BLS20200921-002  
 Report Date: 09/21/2020

WW200806-001

NEOUTN

Grab 08/06/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitr			8/6/2020	8:44	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.508. The maximum acceptable PCV is 0.495. The measured results were 10.7 MPN/mL and 34.5 MPN/mL. PCV 0.495 was exceeded due to low values in samples.
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WW200806-002

NEOUTS

Grab 08/06/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitr			8/6/2020	8:44	34.5	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.508. The maximum acceptable PCV is 0.495. The measured results were 10.7 MPN/mL and 34.5 MPN/mL. PCV 0.495 was exceeded due to low values in samples.
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WW200816-001

NEOUTN

Grab 08/16/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitr			8/17/2020	8:12	6.3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 1.001. The maximum acceptable PCV is 0.495. The measured results were 6.3 MPN/100mL and 63.1 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW200816-002

NEOUTS

Grab 08/16/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitr			8/17/2020	8:12	3.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 1.001. The maximum acceptable PCV is 0.495. The measured results were 6.3 MPN/100mL and 63.1 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW200823-001

NEOUTN

Grab 08/23/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitray			8/24/2020	8:37	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.510. The maximum acceptable PCV is 0.495. The measured results were 9.7 MPN/100mL and 3.0 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
---	---

WW200823-002

NEOUTS

Grab 08/23/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18/Quantitray			8/24/2020	8:37	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.510. The maximum acceptable PCV is 0.495. The measured results were 9.7 MPN/100mL and 3.0 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
---	---

WW200825-001

NEOUTN

Grab 08/25/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
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Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitr			8/26/2020	8:50	43.5	MPN/100 mL	<1	MPN/100 mL
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Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.496. The measured results were 3.1 MPN/100mL and <1 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
--	--

WW200825-002

NEOUTS

Grab 08/25/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitr			8/26/2020	8:50	78.4	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.496. The measured results were 3.1 MPN/100mL and <1 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
--	--

WW200827-001

NEOUTN

Grab 08/27/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitray			8/28/2020	8:48	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.874. The maximum acceptable PCV is 0.495. The measured results were 5.2 MPN/100mL and 38.9 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
--	--

WW200827-002

NEOUTS

Grab 08/27/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitray			8/28/2020	8:48	9.8	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.874. The maximum acceptable PCV is 0.495. The measured results were 5.2 MPN/100mL and 38.9 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW200831-001

NEOUTN

Grab 08/31/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			8/31/2020	9:26	0.24	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Low Continuous Calibration Verification Standard (CCV) recovery is 86%. Acceptance limits are 90 to 110%.
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WW200831-002

NEOUTS

Grab 08/31/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			8/31/2020	9:26	0.25	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	Low Continuous Calibration Verification Standard (CCV) recovery is 86%. Acceptance limits are 90 to 110%.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by  
Signature:



Name: Aaron Bitler  
Title: Laboratory Manager  
Date: 9/21/2020





Randy E. Hayman, Water Commissioner

October 28, 2020

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for September 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name: PHILA WATER DEPT - NORTHEAST WPC PLANT**

**Permit Number: PA0026689**

**Report Frequency: Monthly**

**Report Type: DMR**

**Reporting Period: 09/01/2020-09/30/2020**

**Report Due Date: 10/28/2020**

**Submitted By: Mary Ellen Senss**

**Submission Id: 232525**

**Submission Status: Received**

**Submission Type: Original**

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for September 2020

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - SEPTEMBER 2020 COMPOSITE SAMPLES

	DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS			LBS	LBS***	INF* (mg/L)	EFF (mg/L)	CBOD <sub>5</sub>		LBS	CBOD 20 (mg/L)
				EFF (mg/L)	SS% REM	SS%** REM					CBOD5 %REM	CBOD5** %REM		
S	08/30/2020	168	203	2	99	2,801		147	4	97		5,603		
M	08/31/2020	155	165	3	98	3,889		132	2	98		2,593		
T	09/01/2020	161	202	2	99	2,679		150	2	99		2,679		
W	09/02/2020	159	268	2	99	2,655		143	4	97		5,309	9	
Th	09/03/2020	161	185	2	99	2,686		164	2	99		2,686		
F	09/04/2020	159	217	2	99	2,649		193	3	98		3,973	18	
S	09/05/2020	146	229	2	99	2,441		148	5	97		6,104		
Su	09/06/2020	141	183	3	98	3,531		152	2	99		2,354		
M	09/07/2020	140	198	3	98	3,496		142	2	99		2,331	13	
T	09/08/2020	144	195	2	99	2,394		155	6	96		7,181		
W	09/09/2020	146	184	5	97	6,093		163	7	96		8,530	15	
Th	09/10/2020	167	273	3	99	4,177		152	3	98		4,177		
F	09/11/2020	156	205	3	99	3,914		144	6	96		7,828		
S	09/12/2020	129	191	3	98	3,216		164	2	99		2,144		
Su	09/13/2020	121	212	2	99	2,016		156	2	99		2,016		
M	09/14/2020	123	197	2	99	2,054		145	2	99		2,054	12	
T	09/15/2020	123	168	1	99	1,023		158	3	98		3,070		
W	09/16/2020	119	222	2	99	1,993		155	2	99		1,993	18	
Th	09/17/2020	141	189	2	99	2,356		185	2	99		2,356		
F	09/18/2020	136	210	2	99	2,272		190	3	98		3,408		
S	09/19/2020	128	210	1	100	1,066		167	2	99		2,132		
Su	09/20/2020	129	217	1	100	1,073		190	2	99		2,146		
M	09/21/2020	131	249	3	99	3,289		159	2	99		2,193	9	
T	09/22/2020	135	191	2	99	2,246		189	4	98		4,492		
W	09/23/2020	135	216	2	99	2,247		214	2	99		2,247	10	
Th	09/24/2020	138	155	2	99	2,309		160	7	96		8,081		
F	09/25/2020	132	236	2	99	2,199		168	2	99		2,199		
S	09/26/2020	126	146	4	97	4,211		172	2	99		2,105		
Su	09/27/2020	142	279	3	99	3,545		205	4	98		4,726		
M	09/28/2020	164	273	4	99	5,477		177	3	98		4,107	13	
T	09/29/2020	132	160	3	98	3,311		187	2	99		2,207		
W	09/30/2020	281	137	10	93	23,467		107	11	90		25,814	22	

TOTAL AVERAGE	4,345	6,199						4,957						
	145	207	3	99		3,536		165	3	98		4,421	14	

Wk1	158	210	2	99	2,829	154	3	98	4,135
Wk2	146	204	3	98	3,832	153	4	97	4,935
Wk3	127	198	2	99	2,133	165	2	99	2,434
Wk4	132	202	2	99	2,511	179	3	98	3,352

MAX 281

CBOD 20 LBS-- 19,000

NPDES/D LIMITS MO <30 >85 <52,540 <25 >86 <36,430  
WK <45 <78,810 <40 <54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - SEPTEMBER 2020**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
S 08/30/2020	168	6.8	6.8	5.9	0.22	4		
M 08/31/2020	155	6.8	6.7	6.0	0.25	5		
T 09/01/2020	161	6.8	6.8	5.9	0.25	3		
W 09/02/2020	159	6.8	6.8	6.0	0.21	4		
Th 09/03/2020	161	6.7	6.7	6.1	0.21	5		
F 09/04/2020	159	6.8	6.8	5.9	0.17	71		
S 09/05/2020	146	6.8	6.8	6.0	0.16	6		
Su 09/06/2020	141	6.8	6.8	6.1	0.19	4		
M 09/07/2020	140	6.8	6.8	5.9	0.19	2		
T 09/08/2020	144	6.7	6.7	6.0	0.21	1		
W 09/09/2020	146	6.7	6.7	5.7	0.28	6		
Th 09/10/2020	167	6.8	6.7	5.1	0.28	4		
F 09/11/2020	156	6.8	6.7	5.3	0.30	63		
S 09/12/2020	129	6.8	6.8	4.9	0.16	4		
Su 09/13/2020	121	6.8	6.8	5.9	0.23	5		
M 09/14/2020	123	6.8	6.8	5.8	0.21	3		
T 09/15/2020	123	6.8	6.7	6.3	0.21	1		
W 09/16/2020	119	6.8	6.8	6.3	0.32	2		
Th 09/17/2020	141	6.9	6.9	6.1	0.26	8		
F 09/18/2020	136	6.7	6.7	5.9	0.32	3		
S 09/19/2020	128	6.8	6.8	6.4	0.24	3		
Su 09/20/2020	129	6.8	6.8	6.4	0.22	3		
M 09/21/2020	131	6.8	6.8	6.1	0.18	5		
T 09/22/2020	135	6.8	6.8	6.0	0.24	2		
W 09/23/2020	135	6.8	6.8	5.7	0.21	4		
Th 09/24/2020	138	6.7	6.7	5.4	0.33	4		
F 09/25/2020	132	6.9	6.8	4.9	0.31	3		
S 09/26/2020	126	6.8	6.8	5.1	0.26	5		
Su 09/27/2020	142	6.8	6.7	5.9	0.17	3		
M 09/28/2020	164	6.8	6.7	5.8	0.38	6		
T 09/29/2020	132	6.8	6.8	6.0	0.32	6		
W 09/30/2020	281	6.8	6.5	4.9	0.36	33		
TOTAL AVERAGE	4,345 145	MIN 6.5	MAX 6.9	MIN 4.9	AVG 5.8	AVG 0.24	MAX 0.38	GEOMETRIC MEAN 5

Wk1 158  
Wk2 146  
Wk3 127  
Wk4 132

**MAX** 281

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - SEPTEMBER 2020  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)	
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)		
09/01/2020	0.26	0.23	0.25	5.7	6.0	5.9	5	2	3	
09/02/2020	0.21	0.20	0.21	5.8	6.2	6.0	6	2	4	
09/03/2020	0.23	0.19	0.21	5.9	6.3	6.1	5	4	5	
09/04/2020	0.23	0.11	0.17	5.8	5.9	5.9	5	980	71	
09/05/2020	0.22	0.09	0.16	5.9	6.0	6.0	6	6	6	
09/06/2020	0.24	0.14	0.19	5.9	6.2	6.1	3	5	4	
09/07/2020	0.21	0.16	0.19	5.7	6.0	5.9	<	1	4	2
09/08/2020	0.22	0.20	0.21	5.9	6.0	6.0	1	2	1	
09/09/2020	0.28	0.27	0.28	5.6	5.7	5.7	5	6	6	
09/10/2020	0.26	0.30	0.28	5.0	5.1	5.1	7	2	4	
09/11/2020	0.28	0.32	0.30	5.1	5.5	5.3	326	12	63	
09/12/2020	0.21	0.10	0.16	4.9	4.9	4.9	4	3	4	
09/13/2020	0.25	0.20	0.23	5.7	6.0	5.9	6	4	5	
09/14/2020	0.24	0.18	0.21	5.7	5.8	5.8	2	4	3	
09/15/2020	0.22	0.20	0.21	6.3	6.2	6.3	<	1	1	1
09/16/2020	0.37	0.26	0.32	6.2	6.3	6.3	1	4	2	
09/17/2020	0.27	0.24	0.26	6.1	6.1	6.1	10	6	8	
09/18/2020	0.37	0.27	0.32	5.8	6.0	5.9	9	1	3	
09/19/2020	0.30	0.17	0.24	6.3	6.4	6.4	3	3	3	
09/20/2020	0.25	0.18	0.22	6.3	6.5	6.4	4	2	3	
09/21/2020	0.23	0.13	0.18	6.0	6.2	6.1	5	5	5	
09/22/2020	0.25	0.23	0.24	5.9	6.0	6.0	1	3	2	
09/23/2020	0.24	0.18	0.21	5.5	5.8	5.7	4	4	4	
09/24/2020	0.37	0.29	0.33	5.2	5.5	5.4	6	2	4	
09/25/2020	0.34	0.27	0.31	4.8	5.0	4.9	3	3	3	
09/26/2020	0.33	0.19	0.26	4.8	5.3	5.1	4	5	5	
09/27/2020	0.17	0.17	0.17	5.8	6.0	5.9	4	2	3	
09/28/2020	0.37	0.38	0.38	5.7	5.9	5.8	6	5	6	
09/29/2020	0.38	0.25	0.32	5.9	6.0	6.0	9	4	6	
09/30/2020	0.37	0.34	0.36	4.9	4.8	4.9	178	6	33	
Avg	0.27	0.21	0.24	5.7	5.9	5.8	5	4	5	

# PERMIT

## NEWPCP - SEPTEMBER 2020

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
09/01/2020			
09/02/2020	143	4	97%
09/03/2020			
09/04/2020	184	4	98%
09/05/2020			
09/06/2020			
09/07/2020			
09/08/2020	125	2	98%
09/09/2020			
09/10/2020	139	7	95%
09/11/2020			
09/12/2020			
09/13/2020			
09/14/2020			
09/15/2020	143	4	97%
09/16/2020			
09/17/2020	157	4	97%
09/18/2020			
09/19/2020			
09/20/2020			
09/21/2020			
09/22/2020	146	3	98%
09/23/2020			
09/24/2020	202	5	98%
09/25/2020			
09/26/2020			
09/27/2020			
09/28/2020	145	6	96%
09/29/2020			
09/30/2020	105	13	88%
AVG	149	5	96%

**DESIGN - 210 MGD**

<b>NEWPCP - SEPTEMBER 2020</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
09/01/2020	46	67	48	161	219	T
09/02/2020	44	66	49	159	199	0.02
09/03/2020	47	70	44	161	256	0.07
09/04/2020	47	74	38	159	302	
09/05/2020	43	70	33	146	187	
09/06/2020	43	67	31	141	182	
09/07/2020	42	67	31	140	181	
09/08/2020	43	69	31	144	187	
09/09/2020	42	69	35	146	182	0.48
09/10/2020	61	68	38	167	365	0.94
09/11/2020	54	64	38	156	383	
09/12/2020	48	47	34	129	163	
09/13/2020	42	49	30	121	164	
09/14/2020	41	52	30	123	172	
09/15/2020	42	51	30	123	162	
09/16/2020	41	49	30	119	171	
09/17/2020	41	70	30	141	199	0.04
09/18/2020	41	65	30	136	177	0.02
09/19/2020	41	59	28	128	163	
09/20/2020	40	59	29	129	175	
09/21/2020	41	63	28	131	174	
09/22/2020	40	65	29	135	192	
09/23/2020	41	62	32	135	183	
09/24/2020	40	63	35	138	213	
09/25/2020	41	62	29	132	168	
09/26/2020	37	62	27	126	228	0.15
09/27/2020	45	66	31	142	218	0.38
09/28/2020	60	69	35	164	333	
09/29/2020	40	64	28	132	166	1.56
09/30/2020	86	161	34	281	492	0.57
<b>TOTAL</b>	<b>1,360</b>	<b>1,990</b>	<b>933</b>	<b>3,932</b>		<b>4.23</b>
<b>AVG</b>	<b>45</b>	<b>66</b>	<b>33</b>	<b>145</b>		
			<b>MIN</b>	<b>119</b>	<b>162</b>	
			<b>MAX</b>	<b>167</b>	<b>383</b>	

\* ADJUSTED FOR RECYCLE.

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF SEPTEMBER 2020

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
09/02/2020	1.160	3.710	2.76	3.39	0.160
09/09/2020	1.320	3.930	3.13	4.13	0.232
09/16/2020	1.180	3.690	3.57	4.22	0.204
09/23/2020	1.080	4.120	3.17	4.07	0.218
09/30/2020	0.554	2.520	2.78	4.06	0.544
<b>AVG</b>	1.059	3.594	3.08	3.97	0.272
<b>MAX</b>	1.320	4.120	3.57	4.22	0.544

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
09/09/2020	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	09/09/2020
Copper	0.0060
Iron	0.2210
Iron Dissolved	0.0710
Lead	< 0.0030
Zinc	0.0210

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	09/08/2020
1,2-Dichloroethane	< 0.0005
Chloroform	0.0021
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005



**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>			
SEPTEMBR 2020	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT	
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD		
09/01/2020	-	0.270		0.965	0.987	138.5	
09/02/2020	1.735	1.560	185.05	1.308	1.687	124.5	
09/03/2020	0.860	1.011	92.33	1.380	0.517	153.5	
09/04/2020	0.892	0.376	92.51	1.012	1.068	119.0	
09/05/2020	-	0.330		0.771	0.850	77.6	
09/06/2020	0.763	0.288	75.78	0.284	0.027	28.5	
09/07/2020	0.879	1.546	85.65	0.857	1.432	105.6	
09/08/2020	0.834	0.680	93.93	1.304	1.072	145.3	
09/09/2020	0.804	0.630	86.97	1.399	1.435	157.8	
09/10/2020	0.819	0.713	105.73	1.295	1.318	140.9	
09/11/2020	0.807	0.857	94.46	1.223	1.305	121.9	
09/12/2020	-	0.397		1.510	1.396	169.1	
09/13/2020	0.825	0.679	87.40	0.766	0.588	83.0	
09/14/2020	0.620	0.191	75.10	0.811	1.025	76.7	
09/15/2020	-	0.402		0.878	1.070	75.8	
09/16/2020	0.840	0.781	97.26	0.656	0.364	66.1	
09/17/2020	-	0.228		0.700	0.646	65.5	
09/18/2020	0.866	0.570	103.27	0.831	1.017	83.1	
09/19/2020	-	0.295		0.976	0.949	94.5	
09/20/2020	0.821	0.784	90.05	0.767	1.265	72.4	
09/21/2020	0.818	0.476	82.36	0.938	0.715	92.0	
09/22/2020	0.829	0.427	91.81	1.186	0.990	120.5	
09/23/2020	-	0.776		0.964	1.341	109.0	
09/24/2020	0.820	0.646	82.03	0.992	0.777	118.5	
09/25/2020	-	0.173		1.001	0.873	84.9	
09/26/2020	0.822	0.219	88.87	1.494	1.454	132.6	
09/27/2020	0.889	0.688	93.65	0.792	0.806	82.9	
09/28/2020	0.819	1.235	88.54	0.765	0.678	71.7	
09/29/2020	0.838	0.852	82.65	1.431	1.704	128.9	
09/30/2020	0.846	0.417	90.59	1.771	1.639	165.7	
<b>TOTAL</b>	19.046	18.499	2,066	31.027	30.995	3,206	
<b>AVERAGE</b>	0.635	0.617	94	1.034	1.033	107	



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Monthly**  
 DMR Effective From: **09/01/2020**  
 DMR Effective To: **09/30/2020**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2020	09	01	TO	2020	09	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	4.9	5.8	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.5	***	6.9	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	3536	3832	lbs/day	***	3	3	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	3.08	3.57	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	1.059	1.320	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	3.594	4.120	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	3.97	4.22	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.272	.544	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0021	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	< .050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0060	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.2210	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0710	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	< .0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0210	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	145	281	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.24	.38	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	5	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	4421	4935	lbs/day	***	3	4	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg	***	***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	19000	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***	***	***	***	***		2/week	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

PA0026689	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 09/01/2020  
 DMR Effective To: 09/30/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	09	01	TO	2020	09	30

FROM

TO

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	98	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	99	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
E-NPDES NE-202009.xlsx	Daily Effluent Monitoring Form	2020-10-28T08:57:43-04:00	
NECSO 202009.xlsx	CSO Detailed Outfall Report Form	2020-10-28T08:59:08-04:00	
BLSNE202009.xlsx	Nutrient Monitoring Form	2020-10-28T08:57:09-04:00	
202009SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2020-10-28T08:56:34-04:00	
NE Daily Composite (10-21-2020).pdf	Laboratory Accreditation Form	2020-10-28T08:58:11-04:00	
NE Daily Grab (10-21-2020).pdf	Laboratory Accreditation Form	2020-10-28T08:58:41-04:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2020	10	28
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

NE Daily Composite

Report: BLS20201021-001  
 Report Date: 10/21/2020

WW200902-015

NEOUT

Composite 24h 09/02/2020 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	9/2/2020	10:10	9/22/2020	7:26	9	mg/L	2.0	mg/L
CBOD5	SM 5210 B	9/2/2020	10:35	9/7/2020	7:57	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.60 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.60 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW200904-014

NEOUT

Composite 24h 09/04/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	9/4/2020	10:58	10/6/2020	7:40	18	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	The 20-day reading was made on the 33rd day following the initial reading. The 20-day reading should have been made on 9/23/2020 but was not made until 10/6/2020.
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WW200908-015

NEOUT

Composite 24h 09/08/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/8/2020	11:00	9/13/2020	8:00	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in two blanks was 0.22 and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW200909-015

NEOUT

Composite 24h 09/09/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	9/9/2020	10:05	9/29/2020	7:05	15	mg/L	2.0	mg/L
CBOD5	SM 5210 B	9/9/2020	10:35	9/14/2020	8:43	7	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	9/9/2020	9:00	9/9/2020	11:15	5.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 78%. Acceptance limits are 85 to 115%.

WW200911-013

NEOUT

Composite 24h 09/11/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/11/2020	9:30	9/16/2020	8:26	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Glucose-Glutamic Acid (GGA) recovery is 238.3 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW200912-013

NEOUT

Composite 24h 09/12/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/12/2020	9:40	9/17/2020	6:55	2	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 230.5 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW200913-014

NEOUT

Composite 24h 09/13/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/13/2020	11:35	9/18/2020	7:40	2	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	<p>Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in three blanks was 0.28, 0.25 and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Glucose-Glutamic Acid (GGA) recovery is 241.5 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.</p>
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WW200914-015

NEOUT

Composite 24h 09/14/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/14/2020	10:46	9/19/2020	8:10	2	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	<p>Glucose-Glutamic Acid (GGA) recovery is 230.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.</p>
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WW200915-014

NEOUT

Composite 24h 09/15/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/15/2020	10:20	9/20/2020	8:17	3	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	<p>Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L. Glucose-Glutamic Acid (GGA) recovery is 229.3 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.</p>
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WW200920-013

NEOUT

Composite 24h 09/20/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/20/2020	10:46	9/25/2020	8:05	2	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	<p>Glucose-Glutamic Acid (GGA) recovery is 231.9 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.</p>
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WW200921-014

NEOUT

Composite 24h 09/21/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	9/21/2020	10:30	10/11/2020	6:40	9	mg/L	2.0	mg/L
CBOD5	SM 5210 B	9/21/2020	11:25	9/25/2020	8:50	2	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD20	<p>Glucose-Glutamic Acid (GGA) recovery is 231.6 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.</p>
CBOD5	<p>Glucose-Glutamic Acid (GGA) recovery is 231.6 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.</p>

WW200923-015

NEOUT

Composite 24h 09/23/2020 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	9/23/2020	9:15	10/13/2020	8:39	10	mg/L	2.0	mg/L
CBOD5	SM 5210 B	9/23/2020	9:35	9/28/2020	8:38	2	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	9/23/2020	8:25	9/23/2020	10:33	2.00	mg/L	2.5	mg/L

## Data Qualifiers:

CBOD20	<p>Glucose-Glutamic Acid (GGA) recovery is 237.6 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.</p>
CBOD5	<p>Glucose-Glutamic Acid (GGA) recovery is 237.6 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.</p>
Solids Suspended Total	<p>Laboratory Control Sample (LCS) recovery is 77.5%. Acceptance limits are 85 to 115%.</p>

WW200924-013

NEOUT

Composite 24h 09/24/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/24/2020	10:30	9/29/2020	7:05	7	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	<p>Glucose-Glutamic Acid (GGA) recovery is 235.9 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.</p>
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WW200927-013

NEOUT

Composite 24h 09/27/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	9/27/2020	7:25	9/27/2020	9:26	3.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 83%. Acceptance limits are 85 to 115%.
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WW200930-015

NEOUT

Composite 24h 09/30/2020 06:30

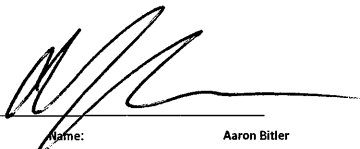
Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	9/30/2020	10:30	10/5/2020	6:50	11	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 230.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:   
 Signature: \_\_\_\_\_  
 Name: Aaron Bitler  
 Title: Laboratory Manager  
 Date: 10/21/2020



NE Daily Grab

Report: BLS20201021-002  
 Report Date: 10/21/2020

WW200903-001

NEOUTN

Grab 09/03/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantitray			9/4/2020	8:05	5.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.495. The measured results were 4.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW200903-002

NEOUTS

Grab 09/03/2020 09:25

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantit			9/4/2020	8:05	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.495. The measured results were 4.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW200910-001

NEOUTN

Grab 09/10/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantitray			9/11/2020	8:12	7.4	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.633. The maximum acceptable PCV is 0.495. The measured results were 2.0 MPN/100mL and 8.6 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW200910-002

NEOUTS

Grab 09/10/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantitray			9/11/2020	8:12	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.633. The maximum acceptable PCV is 0.495. The measured results were 2.0 MPN/100mL and 8.6 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW200916-002

NEOUTN

Grab 09/16/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantitray			9/17/2020	7:37	1.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.628. The maximum acceptable PCV is 0.495. The measured results were 8.5 MPN/100mL and 2.0 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW200916-003

NEOUTS

Grab 09/16/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Collert-18/Quantitray)	Collert 18 /Quantit			9/17/2020	7:37	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Collert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.628. The maximum acceptable PCV is 0.495. The measured results were 8.5 MPN/100mL and 2.0 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW200920-001

NEOUTN

Grab 09/20/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
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Coliforms Fecal (Coli-18/Quant-Tray)	Coli-18 /Quantitr			9/21/2020	8:05	4.1	MPN/100 mL	<1	MPN/100 mL
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Data Qualifiers:

Coliforms Fecal (Coli-18/Quant-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.602. The maximum acceptable PCV is 0.495. The measured results were 3.0 MPN/100mL and <1 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW200920-002

NEOUTS

Grab 09/20/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Coli-18/Quant-Tray)	Coli-18 /Quantitr			9/21/2020	8:05	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Coli-18/Quant-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.602. The maximum acceptable PCV is 0.495. The measured results were 3.0 MPN/100mL and <1 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW200923-001

NEOUTN

Grab 09/23/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Coli-18/Quant-Tray)	Coli-18 /Quantitr			9/24/2020	8:49	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Coli-18/Quant-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.495. The measured results were 1.0 MPN/100mL and 4.1 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW200923-002

NEOUTS

Grab 09/23/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Coli-18/Quant-Tray)	Coli-18 /Quantitr			9/24/2020	8:49	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Coli-18/Quant-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.495. The measured results were 1.0 MPN/100mL and 4.1 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
--------------------------------------	---

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

10/21/2020



Randy E. Hayman, Water Commissioner

October 28, 2020

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for the period of July 2020 to September 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name: PHILA WATER DEPT - NORTHEAST WPC PLANT**

**Permit Number: PA0026689**

**Report Frequency: Quarterly**

**Report Type: DMR**

**Reporting Period: 07/01/2020-09/30/2020**

**Report Due Date: 10/28/2020**

**Submitted By: Mary Ellen Senss**

**Submission Id: 232022**

**Submission Status: Received**

**Submission Type: Original**



Toxicity (TUA)

Northeast WPCP - Outfall

07/10/2020

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic	<	1
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic	<	1



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: **PHILA WATER DEPT**  
 ADDRESS: **1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994**  
 FACILITY: **PHILA WATER DEPT - NORTHEAST WPC PLANT**  
 LOCATION: **3899 RICHMOND ST, PHILADELPHIA PA, 19137**  
 STAGE: **Final Effluent**

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: **Quarterly**  
 DMR Effective From: **07/01/2020**  
 DMR Effective To: **09/30/2020**  
 Permit Expires: **08/31/2012**  
 Permit Application Due: **03/04/2012**  
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
FROM	2020	07	01	TO	2020	09	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival (61425)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	Result is actually "< 1".								
Toxicity, Chronic - Ceriodaphnia Survival (61426)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	Result is actually "< 1".								
Toxicity, Acute - Pimephales Survival (61427)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	Result is actually "< 1".								
Chlordane (51032)	Sample Measurement	***	***	***	***	< .0004800	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
3,3-Dichlorobenzidine (34631)	Sample Measurement	***	***	***	***	< .0095	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Benzidine (39120)	Sample Measurement	***	***	***	***	< .0048	***	mg/L	3/quarter	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	Grab
	Facility Parameter Comments	See attached data qualifier report.								
4,4-DDT (39300)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
4,4-DDD (39310)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
4,4-DDE (39320)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
alpha-BHC (39336)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
beta-BHC (39338)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
gamma-BHC (Lindane) (39344)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Dieldrin (39380)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Endrin (39390)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite



COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF CLEAN WATER  
 DISCHARGE MONITORING REPORT (DMR)

Heptachlor (39410)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Toxicity, Chronic - Pimephales Survival (61428)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	<b>Facility Parameter Comments</b>	Result is actually "< 1".								
<b>Facility Sampling Point Comments</b>										



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)

## ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
BLSNE202007 WETT.xlsx	WET Test Summary Report	2020-10-27T13:05:18-04:00	
NE WET Testing Composite (08-21-2020).pdf	Laboratory Accreditation Form	2020-10-27T13:08:18-04:00	

## PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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## UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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## OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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## COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

## SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2020	10	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



NE WET Testing Composite

Report: BLS20200821-003  
 Report Date: 08/21/2020

WW200706-006

NEOUT

Composite 24h 07/06/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
2-Chloronaphthalene <sup>B,D</sup>	EPA 625.1	7/9/2020	12:15	7/10/2020	2:15	<0.952 <sup>F</sup>	µg/L	0.952	µg/L
Benzidine <sup>B,D</sup>	EPA 625.1	7/9/2020	12:15	7/10/2020	2:15	<4.76 <sup>F</sup>	µg/L	4.76	µg/L
Pyrene <sup>B,D</sup>	EPA 625.1	7/9/2020	12:15	7/10/2020	2:15	<0.952 <sup>F</sup>	µg/L	0.952	µg/L
Toxaphene <sup>B,D</sup>	EPA 608.3	7/10/2020	11:14	7/15/2020	19:41	<0.48 <sup>F</sup>	µg/L	0.48	µg/L

Data Qualifiers:

2-Chloronaphthalene	The recovery of LCS is 62%, which is outside the acceptance limits of 65-120%. Results may have greater uncertainty.
Benzidine	The recovery of LCS is 9%, which is outside the acceptance limits of 10-93%. Results may have greater uncertainty.
Pyrene	The recovery of LCS is 59%, which is outside the acceptance limits of 70-120%. Results may have greater uncertainty.
Toxaphene	The LCS for the analysis batch associated with this sample was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.

WW200708-011

NEOUT

Composite 24h 07/08/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
2-Chloronaphthalene <sup>B,D</sup>	EPA 625.1	7/9/2020	12:15	7/10/2020	2:15	<0.952 <sup>F</sup>	µg/L	0.952	µg/L
Benzidine <sup>B,D</sup>	EPA 625.1	7/9/2020	12:15	7/10/2020	2:15	<4.76 <sup>F</sup>	µg/L	4.76	µg/L
Phenols <sup>B,D</sup>	EPA 420.1	7/16/2020	14:38	7/17/2020	19:08	<0.05 <sup>F</sup>	mg/L	0.05	mg/L
Pyrene <sup>B,D</sup>	EPA 625.1	7/9/2020	12:15	7/10/2020	2:15	<0.952 <sup>F</sup>	µg/L	0.952	µg/L
Toxaphene <sup>B,D</sup>	EPA 608.3	7/10/2020	11:14	7/15/2020	19:41	<0.48 <sup>F</sup>	µg/L	0.48	µg/L

Data Qualifiers:

2-Chloronaphthalene	The recovery of LCS is 62%, which is outside the acceptance limits of 65-120%. Results may have greater uncertainty.
Benzidine	The recovery of LCS is 9%, which is outside the acceptance limits of 10-93%. Results may have greater uncertainty.
Phenols	The Matrix Spike associated with this sample is below established acceptance criteria, indicating potential matrix interference. Results of this sample may be biased low.
Pyrene	The recovery of LCS is 59%, which is outside the acceptance limits of 70-120%. Results may have greater uncertainty.
Toxaphene	The LCS for the analysis batch associated with this sample was above acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.

WW200710-010

NEOUT

Composite 24h 07/10/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
2-Chloroethyl vinyl ether <sup>B,D</sup>	EPA 624.1			7/11/2020	14:25	<0.5 <sup>F</sup>	µg/L	0.5	µg/L
2-Chloronaphthalene <sup>B,D</sup>	EPA 625.1	7/16/2020	19:20	7/17/2020	20:27	<0.952 <sup>F</sup>	µg/L	0.952	µg/L

Data Qualifiers:

2-Chloroethyl vinyl ether	Preservation for this analysis did not meet regulatory or method requirements.
2-Chloronaphthalene	The recovery of LCS is 59%, which is outside the acceptance limits of 65-120%. Results may have greater uncertainty.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitter

Title:

Laboratory Manager

Date:

8/21/2020



Randy E. Hayman, Water Commissioner

November 25, 2020

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for September 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name: PHILA WATER DEPT - NORTHEAST WPC PLANT**  
**Permit Number: PA0026689**  
**Report Frequency: Monthly**  
**Report Type: DMR**  
**Reporting Period: 10/01/2020-10/31/2020**  
**Report Due Date: 11/28/2020**

**Submitted By: Mary Ellen Senss**  
**Submission Id: 236750**  
**Submission Status: Received**  
**Submission Type: Original**

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for October 2020

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

**PERMIT**  
**NEWPCP - OCTOBER 2020**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)		CHLORINE RESIDUALS (mg/L)		FECAL COLIFORM (MPN / 100mL)
		N	S	MIN	AVG	AVG	MAX	
Th 10/01/2020	188	6.7	6.8	6.1		0.19		3
F 10/02/2020	156	6.8	6.8	6.0		0.40		1
S 10/03/2020	130	6.8	6.8	6.3		0.33		2
Su 10/04/2020	132	6.9	6.8	6.4		0.31		2
M 10/05/2020	133	6.7	6.7	6.1		0.36		2
T 10/06/2020	141	6.8	6.8	6.1		0.35		2
W 10/07/2020	133	6.9	6.9	6.0		0.28		2
Th 10/08/2020	195	6.9	6.9	6.2		0.37		3
F 10/09/2020	137	6.8	6.8	5.8		0.37		3
S 10/10/2020	136	6.8	6.8	5.3		0.40		2
Su 10/11/2020	139	6.8	6.8	5.6		0.29		2
M 10/12/2020	190	6.6	6.6	3.4		0.32		21
T 10/13/2020	149	6.7	6.7	5.5		0.24		13
W 10/14/2020	148	6.8	6.8	6.1		0.24		4
Th 10/15/2020	138	6.9	6.9	6.0		0.36		5
F 10/16/2020	142	6.9	6.9	6.1		0.46		1
S 10/17/2020	248	6.8	6.7	6.4		0.48		3
Su 10/18/2020	148	6.8	6.8	6.5		0.33		3
M 10/19/2020	147	6.9	6.8	6.2		0.37		4
T 10/20/2020	145	6.8	6.8	6.0		0.26		3
W 10/21/2020	141	6.8	6.8	6.2		0.26		3
Th 10/22/2020	140	6.8	6.7	5.7		0.34		5
F 10/23/2020	142	6.7	6.7	5.1		0.31		1
S 10/24/2020	139	6.9	6.9	4.5		0.34		1
Su 10/25/2020	136	6.9	6.9	5.9		0.35		1
M 10/26/2020	136	6.9	6.8	5.0		0.29		2
T 10/27/2020	146	6.8	6.8	6.1		0.35		1
W 10/28/2020	133	6.8	6.8	6.2		0.32		2
Th 10/29/2020	145	6.9	6.8	4.5		0.26		80
F 10/30/2020	347	6.8	6.7	5.0		0.46		21
S 10/31/2020	239	6.7	6.7	6.8		0.34		5
TOTAL	4,919	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	159	6.6	6.9	3.4	5.8	0.33	0.48	MEAN
								3

Wk1 144  
Wk2 165  
Wk3 143  
Wk4 183

**MAX** 347

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - OCTOBER 2020  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
10/01/2020	0.23	0.14	0.19	6.0	6.1	6.1	3	3	3
10/02/2020	0.48	0.31	0.40	5.8	6.2	6.0	2	1	1
10/03/2020	0.43	0.22	0.33	6.2	6.4	6.3	2	2	2
10/04/2020	0.42	0.19	0.31	6.3	6.4	6.4	4	1	2
10/05/2020	0.47	0.24	0.36	6.1	6.1	6.1	4	1	2
10/06/2020	0.45	0.24	0.35	6.0	6.1	6.1	2	3	2
10/07/2020	0.37	0.18	0.28	5.9	6.0	6.0	2	3	2
10/08/2020	0.46	0.28	0.37	6.1	6.2	6.2	2	5	3
10/09/2020	0.45	0.28	0.37	5.8	5.8	5.8	4	2	3
10/10/2020	0.46	0.33	0.40	5.2	5.4	5.3	3	2	2
10/11/2020	0.35	0.22	0.29	5.5	5.7	5.6	2	2	2
10/12/2020	0.32	0.32	0.32	3.5	3.2	3.4	23	20	21
10/13/2020	0.24	0.23	0.24	5.3	5.6	5.5	16	11	13
10/14/2020	0.30	0.17	0.24	6.0	6.2	6.1	6	3	4
10/15/2020	0.43	0.28	0.36	6.0	5.9	6.0	3	7	5
10/16/2020	0.53	0.39	0.46	6.1	6.0	6.1	2	1	1
10/17/2020	0.53	0.42	0.48	6.4	6.4	6.4	2	5	3
10/18/2020	0.41	0.24	0.33	6.5	6.5	6.5	2	4	3
10/19/2020	0.45	0.29	0.37	6.1	6.2	6.2	4	4	4
10/20/2020	0.33	0.19	0.26	6.0	6.0	6.0	4	2	3
10/21/2020	0.32	0.20	0.26	6.1	6.3	6.2	2	5	3
10/22/2020	0.42	0.26	0.34	5.6	5.8	5.7	5	4	5
10/23/2020	0.39	0.23	0.31	4.8	5.3	5.1	<	2	1
10/24/2020	0.41	0.27	0.34	4.4	4.6	4.5	1	1	1
10/25/2020	0.46	0.24	0.35	5.7	6.1	5.9	2	1	1
10/26/2020	0.34	0.23	0.29	4.9	5.1	5.0	1	4	2
10/27/2020	0.41	0.28	0.35	6.0	6.2	6.1	<	<	<
10/28/2020	0.38	0.26	0.32	6.1	6.2	6.2	2	2	2
10/29/2020	0.42	0.09	0.26	4.6	4.3	4.5	16	416	80
10/30/2020	0.44	0.47	0.46	4.7	5.3	5.0	38	12	21
10/31/2020	0.40	0.27	0.34	6.5	7.0	6.8	4	5	5
Avg	0.40	0.26	0.33	5.7	5.8	5.8	3	3	3

# PERMIT

## NEWPCP - OCTOBER 2020

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
10/01/2020			
10/02/2020			
10/03/2020			
10/04/2020			
10/05/2020	167	5	97%
10/06/2020			
10/07/2020	170	5	97%
10/08/2020			
10/09/2020			
10/10/2020			
10/11/2020			
10/12/2020	170	6	96%
10/13/2020			
10/14/2020	172	6	97%
10/15/2020			
10/16/2020			
10/17/2020			
10/18/2020			
10/19/2020	154	6	96%
10/20/2020			
10/21/2020	148	6	96%
10/22/2020			
10/23/2020			
10/24/2020			
10/25/2020			
10/26/2020	237	6	97%
10/27/2020			
10/28/2020	149	6	96%
10/29/2020			
10/30/2020			
10/31/2020			
AVG	171	6	97%

**DESIGN - 210 MGD**

<b>NEWPCP - OCTOBER 2020</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
10/01/2020	54	91	43	188	355	0.07
10/02/2020	49	73	33	156	238	0.04
10/03/2020	43	57	30	130	172	
10/04/2020	41	62	29	132	172	0.01
10/05/2020	42	62	29	133	173	T
10/06/2020	42	69	31	141	187	
10/07/2020	41	63	30	133	165	
10/08/2020	82	49	64	195	170	
10/09/2020	40	69	28	137	178	
10/10/2020	40	66	29	136	169	
10/11/2020	40	70	29	139	173	0.09
10/12/2020	61	83	46	190	358	0.73
10/13/2020	73	27	49	149	421	0.01
10/14/2020	44	75	30	148	191	
10/15/2020	41	66	30	138	173	
10/16/2020	41	70	31	142	179	1.00
10/17/2020	77	117	54	248	440	0.01
10/18/2020	44	74	30	148	196	
10/19/2020	43	73	30	147	197	
10/20/2020	43	71	31	145	205	0.05
10/21/2020	43	66	32	141	201	
10/22/2020	42	68	30	140	206	
10/23/2020	42	70	30	142	195	
10/24/2020	41	68	30	139	210	
10/25/2020	41	66	29	136	188	T
10/26/2020	42	65	28	136	206	0.06
10/27/2020	44	70	31	146	223	T
10/28/2020	41	63	29	133	170	T
10/29/2020	44	72	30	145	286	1.59
10/30/2020	110	164	73	347	458	0.43
10/31/2020	74	119	46	239	393	
<b>TOTAL</b>	<b>1,544</b>	<b>2,281</b>	<b>1,094</b>	<b>4,919</b>		<b>4.09</b>
<b>AVG</b>	<b>50</b>	<b>74</b>	<b>35</b>	<b>159</b>		
			<b>MIN</b>	<b>130</b>	<b>165</b>	
			<b>MAX</b>	<b>248</b>	<b>440</b>	

\* ADJUSTED FOR RECYCLE.

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES  
 Northeast Water Pollution Control Plant  
 NPDES SUMMARY FOR THE MONTH OF OCTOBER 2020  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
10/05/2020	1.170	3.860	4.49	5.93	0.366
10/07/2020	1.140	3.490	3.94	5.13	0.207
10/09/2020	1.130	3.130	4.53	5.45	0.206
10/14/2020	1.040	3.240	3.40	3.92	0.351
10/21/2020	1.120	3.230	4.31	5.45	0.659
10/28/2020	1.200	3.540	4.13	5.36	0.591
<b>AVG</b>	1.133	3.415	4.13	5.21	0.397
<b>MAX</b>	1.200	3.860	4.53	5.93	0.659

**Cyanide and Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
10/05/2020	< 0.050
10/07/2020	< 0.050
10/09/2020	< 0.050
<b>AVG</b>	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	10/07/2020	10/09/2020	10/11/2020	AVG
<b>Copper</b>	0.0050	0.0040	0.0040	0.0043
<b>Iron</b>	0.0960	0.0960	0.1350	0.1090
<b>Iron Dissolved</b>	0.0690	0.0650	0.0560	0.0633
<b>Lead</b>	< 0.0030	< 0.0030	< 0.0030	< 0.0030
<b>Zinc</b>	0.0230	0.0200	0.0190	0.0207

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	10/04/2020	10/05/2020	10/06/2020	10/07/2020	10/08/2020	10/09/2020	AVG
<b>1,2-Dichloroethane</b>	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
<b>3,3-Dichlorobenzidine</b>		< 0.0095		< 0.0476		< 0.0095	< 0.0222
<b>alpha-BHC</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>Benzidine</b>		< 0.0048		< 0.0238		< 0.0048	< 0.0111
<b>Beta-BHC</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>Chlordane</b>		< 0.0004800		< 0.0004800		< 0.0004800	< 0.0004800
<b>Chloroform</b>	0.0010	0.0010	0.0010	0.0014	0.0013	0.0012	0.0011
<b>Chlorodibromomethane</b>	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
<b>Dieldrin</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>Endrin</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>Heptachlor</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>p,p'-DDD</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>p,p'-DDE</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>p,p'-DDT</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>Lindane(Gamma-BHC)</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>Tetrachloroethylene</b>	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
<b>Trichloroethylene</b>	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0007	< 0.0005	< 0.0005



**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>		
OCTOBER 2020	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD	
10/01/2020	-	0.019		2.304	0.710	69.5
10/02/2020	0.813	1.598		2.353	0.935	77.9
10/03/2020	-			2.426	0.883	108.6
10/04/2020	-			2.975	1.435	74.1
10/05/2020	0.851	0.592	118.03	2.094	0.683	108.3
10/06/2020	0.872	0.702	89.17	2.313	1.139	102.4
10/07/2020	0.839	0.523	101.20	2.378	0.437	63.4
10/08/2020	0.867	0.964	92.78	2.504	0.678	90.5
10/09/2020	0.788	1.377	97.08	3.300	0.968	112.9
10/10/2020	-	0.022		2.653	1.511	107.5
10/11/2020	-	0.006		2.216	1.167	64.4
10/12/2020	0.812	0.268	90.38	2.169	1.042	105.5
10/13/2020	0.786	1.193	62.87	3.314	0.834	120.7
10/14/2020	0.804	0.977	87.25	3.176	0.962	67.2
10/15/2020	0.843	0.597	86.36	2.687	0.927	73.9
10/16/2020	0.818	0.777	52.78	1.970	0.906	61.1
10/17/2020	0.840	0.310	89.29	2.351	1.167	117.5
10/18/2020	-	0.816		3.006	1.162	101.1
10/19/2020	-			2.577	1.367	142.9
10/20/2020	1.735	1.343	184.36	2.231	0.804	75.1
10/21/2020	0.850	1.005	88.60	3.341	1.310	114.5
10/22/2020	0.874	0.714	91.01	3.539	1.219	104.7
10/23/2020	0.882	1.029	101.15	2.415	1.204	139.7
10/24/2020	0.877	0.458	81.40	3.425	2.084	148.4
10/25/2020	-	0.722		2.782	0.678	57.9
10/26/2020	0.881	0.798	89.97	2.054	0.626	99.0
10/27/2020	0.853	0.885	77.11	2.879	0.952	110.6
10/28/2020	-			2.084	1.227	90.6
10/29/2020	0.870	0.424	85.84	1.589	0.998	110.0
10/30/2020	0.863	0.959	77.33	2.233	0.791	67.6
10/31/2020		0.611	97.56	2.987	2.253	180.8
<b>TOTAL</b>	18.617	19.687	1,942	80.324	33.058	3,069
<b>AVERAGE</b>	0.621	0.729	92	2.591	1.066	99

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF OCTOBER 2020

Central Laboratory

Toxicity (TUA)

Northeast WPCP - Outfall

10/09/2020

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic	<	1
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic	<	1



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 10/01/2020  
 DMR Effective To: 10/31/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	10	01	FROM	2020	10	31
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	3.4	5.8	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	6.9	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	6406	11652	lbs/day	***	4	6	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	4.13	4.53	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	1.133	1.200	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	3.415	3.860	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	5.21	5.93	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.397	.659	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Chloroform (32106)	Sample Measurement	***	***	***	***	.0011	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	< .050	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
	Facility Parameter Comments	6/month								
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0043	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.1090	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0633	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	< .0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0207	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	159	347	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.33	.48	mg/L	1/day	Grab
	Permit Requirement	***	***	***	***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
	<b>Facility Parameter Comments</b>	6/month								
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	5/month	Grab
	Permit Requirement	***	***	***	***	Monitor & Report Avg Mo	***		1/month	Grab
	<b>Facility Parameter Comments</b>	6/month								
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	3	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	***		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	6526	10056	lbs/day	***	4	6	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	11645	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***		***	***	***		2/week	24-Hr Composite
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 10/01/2020  
 DMR Effective To: 10/31/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM	2020	10	01	TO	2020	10 31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	97	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	98	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
E-NPDES NE-202010.xlsx	Daily Effluent Monitoring Form	2020-11-25T11:31:14-05:00	
NE Daily Composite (11-23-2020).pdf	Laboratory Accreditation Form	2020-11-25T11:31:44-05:00	
NE WET Testing Composite (11-23-2020).pdf	Laboratory Accreditation Form	2020-11-25T11:32:39-05:00	
NE Daily Grab (11-23-2020).pdf	Laboratory Accreditation Form	2020-11-25T11:32:10-05:00	
BLSNE202010.xlsx	Nutrient Monitoring Form	2020-11-25T11:30:38-05:00	
202010SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2020-11-25T11:30:11-05:00	
NECSO 202010.xlsx	CSO Detailed Outfall Report Form	2020-11-25T11:33:02-05:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. A flow in excess of 315 MGD qualified for permit relief on the 30th of the month and was used in compliance reporting. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2020	11	25
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

NE Daily Composite

WW201001-013

NEOUT

Composite 24h 10/01/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/1/2020	9:10	10/6/2020	7:40	3	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW201005-006

NEOUT

Composite 24h 10/05/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/5/2020	14:40	10/10/2020	9:00	1.05	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	GGA recovery is 151.33 mg/L. The acceptance limits are 167.5 to 228.5 mg/L.
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WW201009-006

NEOUT

Composite 24h 10/09/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/9/2020	13:05	10/14/2020	10:30	2.03	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Test replicates show >30% difference between highest and lowest values. The Relative Percent Difference between the values is 36%.
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WW201011-013

NEOUT

Composite 24h 10/11/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/11/2020	11:10	10/16/2020	8:17	3	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	10/11/2020	7:48	10/11/2020	9:50	2.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 82.5%. Acceptance limits are 85 to 115%.

WW201012-014

NEOUT

Composite 24h 10/12/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	10/12/2020	11:45	11/1/2020	9:40	12	mg/L	2.0	mg/L
CBOD5	SM 5210 B	10/12/2020	11:45	10/17/2020	8:35	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 242.5 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 242.5 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.

WW201017-013

NEOUT

Composite 24h 10/17/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/17/2020	12:35	10/22/2020	8:16	13	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW201018-013

NEOUT

Composite 24h 10/18/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/18/2020	9:15	10/23/2020	7:30	3	mg/L	2.0	mg/L

## Data Qualifiers:

COD5	Glucose-Glutamic Acid (GGA) recovery is 237.0 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW201019-014

NEOUT

Composite 24h 10/19/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	10/19/2020	10:00	11/8/2020	7:45	12	mg/L	2.0	mg/L
CBOD5	SM 5210 B	10/19/2020	10:30	10/24/2020	8:14	5	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 235.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 235.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.

WW201020-013

NEOUT

Composite 24h 10/20/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/20/2020	8:55	10/25/2020	8:10	3	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW201023-013

NEOUT

Composite 24h 10/23/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	10/23/2020	7:55	10/23/2020	9:58	4.00	mg/L	2.5	mg/L

## Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 118%. Acceptance limits are 85 to 115%.
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WW201029-013

NEOUT

Composite 24h 10/29/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/9/2020	11:40	11/3/2020	7:55	3	mg/L	2.0	mg/L

## Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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## Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

11/23/2020



NE Daily Grab

Report: BLS20201123-002  
 Report Date: 11/23/2020

WW201009-001

NEOUTN

Grab 10/09/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18/Quantitr			10/10/2020	8:24	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.86. The maximum acceptable PCV is 0.495. The measured results were 3.1 MPN/100mL and 22.3 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW201009-002

NEOUTS

Grab 10/09/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	ColiIert 18/Quantitr			10/10/2020	8:24	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.86. The maximum acceptable PCV is 0.495. The measured results were 3.1 MPN/100mL and 22.3 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW201014-001

NEOUTN

Grab 10/14/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	SM 9223 ColiIert			10/15/2020	8:50	6.3	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.498. The maximum acceptable PCV is 0.495. The measured results were 6.3 MPN/100mL and 2.0 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW201014-002

NEOUTS

Grab 10/14/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (ColiIert-18/Quantitray)	SM 9223 ColiIert			10/15/2020	8:50	3.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (ColiIert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.498. The maximum acceptable PCV is 0.495. The measured results were 6.3 MPN/100mL and 2.0 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature:

Name:

Baron Bitler

Title:

Laboratory Manager

Date:

11/23/2020



Randy E. Hayman, Water Commissioner

December 28, 2020

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for November 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name: PHILA WATER DEPT - NORTHEAST WPC PLANT**

**Permit Number: PA0026689**

**Report Frequency: Monthly**

**Report Type: DMR**

**Reporting Period: 11/01/2020-11/30/2020**

**Report Due Date: 12/28/2020**

**Submitted By: Mary Ellen Senss**

**Submission Id: 241606**

**Submission Status: Received**

**Submission Type: Original**

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for November 2020

### Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT

## NEWPCP - NOVEMBER 2020

### COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)		
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM		LBS	LBS***
Su	11/01/2020	163	198	2	99		2,715		120	3	97	4,072	
M	11/02/2020	232	153	8	95		15,475		116	8	93	15,475	17
T	11/03/2020	157	156	3	98		3,935		134	4	97	5,247	
W	11/04/2020	154	135	4	97		5,127		132	5	96	6,409	11
Th	11/05/2020	152	235	3	99		3,794		163	4	98	5,059	
F	11/06/2020	149	167	3	98		3,716		171	5	97	6,193	
S	11/07/2020	146	185	3	98		3,660		160	3	98	3,660	
Su	11/08/2020	145	222	2	99		2,423		151	3	98	3,634	
M	11/09/2020	147	145	3	98		3,671		158	3	98	3,671	15
T	11/10/2020	145	197	3	98		3,631		181	7	96	8,473	
W	11/11/2020	148	208	3	99		3,700		174	3	98	3,700	10
Th	11/12/2020	362	225	17	92		51,291		155	13	92	36,430	39,222
F	11/13/2020	153	142	6	96		7,665		117	6	95	7,665	
S	11/14/2020	174	153	3	98		4,361		133	3	98	4,361	
Su	11/15/2020	154	205	2	99		2,566		141	3	98	3,849	
M	11/16/2020	191	201	5	98		7,954		152	5	97	7,954	13
T	11/17/2020	157	215	3	99		3,934		136	2	99	2,622	
W	11/18/2020	151	167	5	97		6,297		155	2	99	2,519	10
Th	11/19/2020	149	218	3	99		3,725		142	3	98	3,725	
F	11/20/2020	149	251	3	99		3,729		160	3	98	3,729	
S	11/21/2020	151	216	3	99		3,774		169	3	98	3,774	
Su	11/22/2020	148	211	4	98		4,952		177	3	98	3,714	
M	11/23/2020	162	210	2	99		2,696		168	3	98	4,044	11
T	11/24/2020	178	169	4	98		5,928		106	2	98	2,964	
W	11/25/2020	147	204	3	99		3,683		137	4	97	4,911	9
Th	11/26/2020	154	231	4	98		5,149		185	4	98	5,149	
F	11/27/2020	183	202	3	99		4,566		147	3	98	4,566	
S	11/28/2020	144	183	2	99		2,398		149	3	98	3,597	
Su	11/29/2020	141	219	4	98		4,717		144	3	98	3,538	
M	11/30/2020	145	205	2	99		2,412		112	2	98	2,412	

TOTAL AVERAGE	4,930	5,828					4,445						
	164	194	4	98		6,121	148	4	97		5,904		12

Wk1	165	175	4	98		5,489	142	5	97		6,588	
Wk2	178	189	5	97		10,863	157	5	96		9,605	
Wk3	157	210	3	98		4,569	151	3	98		4,025	
Wk4	159	201	3	98		4,196	153	3	98		4,135	

MAX 362

CBOD 20 LBS-- 17,103

NPDES/D  
LIMITS

MO <30 >85 <52,540  
WK <45 <78,810

<25 >86 <36,430  
<40 <54,645

CBOD 20 LBS-- <71,760

- \* ADJUSTED FOR RECYCLE.
- \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.
- (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT**  
**NEWPCP - NOVEMBER 2020**  
**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
Su 11/01/2020	163	6.8	6.7	6.4	0.31	3		
M 11/02/2020	232	6.8	6.8	6.3	0.38	2		
T 11/03/2020	157	6.8	6.8	6.4	0.42	6		
W 11/04/2020	154	6.7	6.7	6.2	0.37	4		
Th 11/05/2020	152	6.9	6.7	6.3	0.47	2		
F 11/06/2020	149	6.8	6.8	6.2	0.51	2		
S 11/07/2020	146	6.9	6.9	6.1	0.48	2		
Su 11/08/2020	145	6.9	6.8	6.1	0.32	1		
M 11/09/2020	147	6.9	6.8	5.2	0.44	8		
T 11/10/2020	145	6.9	6.8	4.8	0.37	8		
W 11/11/2020	148	6.8	6.8	4.9	0.40	11		
Th 11/12/2020	362	6.6	6.5	4.8	0.27	7		
F 11/13/2020	153	6.8	6.7	5.1	0.46	2		
S 11/14/2020	174	6.8	6.8	6.6	0.47	2		
Su 11/15/2020	154	6.9	6.8	6.7	0.46	1		
M 11/16/2020	191	6.8	6.8	6.5	0.30	2		
T 11/17/2020	157	6.8	6.8	6.4	0.35	5		
W 11/18/2020	151	6.7	6.5	6.5	0.29	5		
Th 11/19/2020	149	6.8	6.8	6.8	0.40	1		
F 11/20/2020	149	6.8	6.8	6.8	0.35	4		
S 11/21/2020	151	6.9	6.8	6.5	0.32	2		
Su 11/22/2020	148	6.8	6.8	6.0	0.42	11		
M 11/23/2020	162	7.0	6.9	3.4	0.42	28		
T 11/24/2020	178	6.7	6.6	5.7	0.29	9		
W 11/25/2020	147	6.8	6.7	5.4	0.27	5		
Th 11/26/2020	154	6.8	6.8	4.0	0.35	11		
F 11/27/2020	183	6.8	6.8	6.2	0.29	6		
S 11/28/2020	144	6.8	6.8	6.6	0.35	5		
Su 11/29/2020	141	6.9	6.9	6.7	0.33	2		
M 11/30/2020	145	6.8	6.8	5.6	0.46	2		
TOTAL	4,930	MIN	MAX	MIN	AVG	AVG	MAX	GEOMETRIC
AVERAGE	164	6.5	7.0	3.4	5.9	0.37	0.51	MEAN
								4

Wk1 165  
Wk2 178  
Wk3 157  
Wk4 159

**MAX** 362

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - NOVEMBER 2020  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
11/01/2020	0.39	0.22	0.31	6.3	6.5	6.4	1	10	3
11/02/2020	0.39	0.37	0.38	6.2	6.3	6.3	3	2	2
11/03/2020	0.47	0.37	0.42	6.2	6.5	6.4	5	8	6
11/04/2020	0.43	0.31	0.37	6.1	6.2	6.2	4	4	4
11/05/2020	0.49	0.44	0.47	6.2	6.4	6.3	2	2	2
11/06/2020	0.51	0.51	0.51	6.1	6.3	6.2	4	1	2
11/07/2020	0.54	0.42	0.48	6.1	6.1	6.1	3	2	2
11/08/2020	0.36	0.28	0.32	5.9	6.2	6.1	1	1	1
11/09/2020	0.49	0.39	0.44	5.2	5.2	5.2	9	7	8
11/10/2020	0.41	0.33	0.37	4.7	4.8	4.8	12	5	8
11/11/2020	0.37	0.42	0.40	4.7	5.0	4.9	11	11	11
11/12/2020	0.28	0.26	0.27	4.6	4.9	4.8	8	5	7
11/13/2020	0.46	0.45	0.46	4.9	5.3	5.1	2	3	2
11/14/2020	0.53	0.40	0.47	6.5	6.6	6.6	1	4	2
11/15/2020	0.49	0.42	0.46	6.6	6.8	6.7	1	1	1
11/16/2020	0.37	0.22	0.30	6.4	6.5	6.5	1	5	2
11/17/2020	0.36	0.33	0.35	6.3	6.5	6.4	5	4	5
11/18/2020	0.30	0.28	0.29	6.4	6.6	6.5	5	5	5
11/19/2020	0.42	0.37	0.40	6.7	6.9	6.8	1	2	1
11/20/2020	0.35	0.35	0.35	6.5	7.0	6.8	4	3	4
11/21/2020	0.32	0.32	0.32	6.3	6.7	6.5	1	3	2
11/22/2020	0.43	0.41	0.42	5.9	6.1	6.0	7	18	11
11/23/2020	0.45	0.39	0.42	3.5	3.3	3.4	32	24	28
11/24/2020	0.32	0.26	0.29	5.4	6.0	5.7	7	12	9
11/25/2020	0.32	0.21	0.27	5.3	5.5	5.4	5	4	5
11/26/2020	0.34	0.35	0.35	4.0	4.0	4.0	12	11	11
11/27/2020	0.32	0.25	0.29	6.0	6.3	6.2	5	8	6
11/28/2020	0.37	0.32	0.35	6.4	6.7	6.6	7	3	5
11/29/2020	0.34	0.31	0.33	6.7	6.6	6.7	5	1	2
11/30/2020	0.48	0.43	0.46	5.5	5.6	5.6	2	3	2
Avg	0.40	0.35	0.37	5.8	6.0	5.9	4	4	4

# PERMIT

## NEWPCP - NOVEMBER 2020

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
11/01/2020			
11/02/2020	110	15	86%
11/03/2020			
11/04/2020	142	6	96%
11/05/2020			
11/06/2020			
11/07/2020			
11/08/2020			
11/09/2020	158	6	96%
11/10/2020			
11/11/2020	157	6	96%
11/12/2020			
11/13/2020			
11/14/2020			
11/15/2020			
11/16/2020	135	8	94%
11/17/2020			
11/18/2020	145	4	97%
11/19/2020			
11/20/2020			
11/21/2020			
11/22/2020			
11/23/2020	182	7	96%
11/24/2020			
11/25/2020	152	5	97%
11/26/2020			
11/27/2020			
11/28/2020			
11/29/2020			
11/30/2020			
AVG	148	7	95%

**DESIGN - 210 MGD**

<b>NEWPCP - NOVEMBER 2020</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
11/01/2020	48	82	32	163	212	0.54
11/02/2020	72	114	46	232	423	
11/03/2020	47	81	29	157	190	
11/04/2020	46	79	29	154	186	
11/05/2020	45	75	32	152	190	
11/06/2020	45	74	29	149	183	
11/07/2020	45	73	28	146	202	
11/08/2020	45	73	28	145	184	
11/09/2020	45	73	28	147	184	
11/10/2020	44	73	29	145	190	
11/11/2020	44	73	30	148	193	1.48
11/12/2020	133	132	97	362	391	0.57
11/13/2020	66	49	38	153	311	0.08
11/14/2020	51	89	34	174	255	
11/15/2020	46	78	30	154	200	0.44
11/16/2020	63	91	37	191	377	
11/17/2020	46	79	33	157	214	T
11/18/2020	45	75	32	151	198	
11/19/2020	45	73	32	149	201	
11/20/2020	44	74	31	149	185	
11/21/2020	44	74	32	151	183	
11/22/2020	44	71	33	148	187	T
11/23/2020	50	75	37	162	346	0.19
11/24/2020	53	89	36	178	372	
11/25/2020	44	76	27	147	180	
11/26/2020	55	62	37	154	392	0.51
11/27/2020	59	90	34	183	314	
11/28/2020	44	71	29	144	180	
11/29/2020	44	69	29	141	190	
11/30/2020	44	72	29	145	191	0.98
<b>TOTAL</b>	<b>1,546</b>	<b>2,357</b>	<b>969</b>	<b>4,643</b>		<b>4.79</b>
<b>AVG</b>	<b>52</b>	<b>79</b>	<b>34</b>	<b>164</b>		
			<b>MIN</b>	<b>144</b>	<b>180</b>	
			<b>MAX</b>	<b>362</b>	<b>423</b>	

\* ADJUSTED FOR RECYCLE.



**PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES**  
 Northeast Water Pollution Control Plant  
**NPDES SUMMARY FOR THE MONTH OF NOVEMBER 2020**  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
11/04/2020	1.010	2.290	5.80	6.93	0.556
11/11/2020	1.090	2.590	5.30	6.31	0.605
11/18/2020	1.130	2.560	5.00	5.98	0.548
11/25/2020	0.909	2.730	4.74	6.08	0.397
<b>AVG</b>	1.035	2.543	5.21	6.33	0.527
<b>MAX</b>	1.130	2.730	5.80	6.93	0.605

**Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
11/04/2020	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	11/04/2020
Copper	0.0070
Iron	0.1540
Iron Dissolved	0.0660
Lead	< 0.0030
Zinc	0.0270

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	11/10/2020
1,2-Dichloroethane	< 0.0005
Chloroform	0.0023
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005

**BIOSOLIDS RECYCLE CENTER  
 SLUDGE DEWATERING SUMMARY REPORT**

PA 0026689 <b>NEWPCP</b>				PA 0026671 <b>SWWPCP</b>			
NOVEMBER 2020	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT	
	From NEWPCP MGD	Biosolids Recycle Center / Synagro MGD		From SWWPCP MGD	Biosolids Recycle Center / Synagro MGD		
11/01/2020	0.862	0.881	83.13	1.078	0.947	103.7	
11/02/2020	0.883	1.668	89.27	0.675	0.506	74.9	
11/03/2020	0.850	0.850	81.36	0.643	0.834	80.2	
11/04/2020	0.838	0.834	80.00	1.886	1.986	159.0	
11/05/2020	0.860	0.602	84.52	1.121	1.216	104.1	
11/06/2020	0.815	0.644	68.62	1.185	0.839	116.2	
11/07/2020	0.828	0.513	79.44	1.087	1.588	89.2	
11/08/2020	-	0.097		1.004	1.126	79.2	
11/09/2020	0.820	1.409	82.08	1.019	0.946	89.4	
11/10/2020	0.831	0.852	75.44	1.260	0.850	107.3	
11/11/2020	-	0.006		0.893	0.684	104.5	
11/12/2020	0.800	0.256	74.36	1.664	1.803	169.2	
11/13/2020	0.811	1.217	66.93	1.185	1.399	103.7	
11/14/2020	0.823	0.996	82.46	0.983	1.037	88.4	
11/15/2020	0.837	0.591	93.03	1.006	0.826	65.9	
11/16/2020	0.838	0.797	88.69	1.172	1.124	137.0	
11/17/2020	0.830	0.301	83.36	0.927	0.641	81.3	
11/18/2020	0.809	1.625	85.93	1.147	1.538	115.7	
11/19/2020	0.831	0.827	81.21	1.302	1.589	130.0	
11/20/2020	0.884	0.493	90.07	1.234	0.905	106.3	
11/21/2020	0.874	1.029	73.75	1.103	1.231	123.0	
11/22/2020	0.866	0.707	74.88	0.883	0.583	76.4	
11/23/2020	1.728	1.875	162.05	1.432	1.379	139.5	
11/24/2020	0.857	0.437	75.00	1.277	1.362	140.0	
11/25/2020	0.838	1.560	82.22	0.650	0.482	66.0	
11/26/2020	-			1.617	1.644	131.0	
11/27/2020	0.834	0.866	77.64	1.598	1.781	173.2	
11/28/2020	0.842	0.841	76.70	0.970	1.324	87.5	
11/29/2020	-			0.972	1.394	93.0	
11/30/2020	0.859	0.955	81.40	1.158	0.809	107.5	
<b>TOTAL</b>	22.748	23.726	2,174	34.129	34.372	3,242	
<b>AVERAGE</b>	0.758	0.847	84	1.138	1.146	108	



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 11/01/2020  
 DMR Effective To: 11/30/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	11	01	TO	2020	11	30

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	3.4	5.9	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.5	***	7.0	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	6121	10863	lbs/day	***	4	5	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	5.21	5.80	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	1.035	1.130	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.543	2.730	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	6.33	6.93	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.527	.605	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0023	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	< .050	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0070	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.1540	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0660	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Lead, Total (01051)	Sample Measurement	***	***	***	***	< .0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0270	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	164	362	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.37	.51	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	4	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***		***	200 Geo Mean	***		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	5904	9605	lbs/day	***	4	5	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	17103	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***		***	***	***		2/week	24-Hr Composite
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 11/01/2020  
 DMR Effective To: 11/30/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	11	01	FROM	2020	11	30
			TO			

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	97	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	98	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
202011SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2020-12-28T14:03:14-05:00	
BLSNE202011.xlsx	Nutrient Monitoring Form	2020-12-28T14:03:39-05:00	
NECSO 202011.xlsx	CSO Detailed Outfall Report Form	2020-12-28T14:05:42-05:00	
E-NPDES NE-202011.xlsx	Daily Effluent Monitoring Form	2020-12-28T14:04:21-05:00	
NE Daily Grab (12-21-2020).pdf	Laboratory Accreditation Form	2020-12-28T14:05:19-05:00	
NE Daily Composite (12-21-2020).pdf	Laboratory Accreditation Form	2020-12-28T14:04:55-05:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. A flow in excess of 315 MGD qualified for permit relief on the 12th of the month but was not used in compliance reporting. There were no CSO's caused by plant activities.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2020	12	28
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

NE Daily Composite

Report: BLS20201221-001  
 Report Date: 12/21/2020

WW201103-013

NEOUT

Composite 24h 11/03/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	11/3/2020	11:15	11/8/2020	7:45	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 235.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW201104-015

NEOUT

Composite 24h 11/04/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Phenols <sup>8D</sup>	EPA 420.1	11/17/2020	16:06	11/18/2020	10:35	<0.05 <sup>5</sup>	mg/L	0.05	mg/L

Data Qualifiers:

Phenols	The Matrix Spike associated with this sample is below established acceptance criteria, indicating potential matrix interference. Results of this sample may be biased low.
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WW201106-013

NEOUT

Composite 24h 11/06/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	11/6/2020	8:18	11/6/2020	10:26	3.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 118%. Acceptance limits are 85 to 115%.
------------------------	---

WW201109-016

NEOUT

Composite 24h 11/09/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	11/9/2020	7:37	11/9/2020	9:35	3.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 118%. Acceptance limits are 85 to 115%.
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WW201122-013

NEOUT

Composite 24h 11/22/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	11/22/2020	11:05	11/28/2020	11:19	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 236.3 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. The 5-day reading was made on the 6th day following the initial reading. The 5-day reading should have been made on 11/27/2020 but was not made until 11/28/2020.
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WW201123-015

NEOUT

Composite 24h 11/23/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	11/23/2020	11:00	11/28/2020	8:05	3	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 233.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
-------	--

WW201124-013

NEOUT

Composite 24h 11/24/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	11/24/2020	9:25	11/27/2020	8:12	3	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 165.5 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. The 5-day reading was made on the 3rd day following the initial reading. The 5-day reading should have been made on 11/29/2020 but was not made until 11/27/2020.
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WW201127-013

NEOUT

Composite 24h 11/27/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	11/27/2020	8:01	11/27/2020	10:03	3.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 120%. Acceptance limits are 85 to 115%.
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WW201130-013

NEOUT

Composite 24h 11/30/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	11/30/2020	9:30	12/5/2020	8:30	2	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 155.0 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. The 5-day reading was made on the 3rd day following the initial reading. The 5-day reading should have been made on 12/3/2020 but was not made until 12/5/2020.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BL5's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

12/21/2020



NE Daily Grab

WW201101-001

NEOUTN

Grab 11/01/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitr	11/1/2020	11:09	11/2/2020	8:26	1.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.863. The maximum acceptable PCV is 0.495. The measured results were 7.3 MPN/mL and 1.0 MPN/mL. PCV 0.495 was exceeded.
--	--

WW201101-002

NEOUTS

Grab 11/01/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitr	11/1/2020	11:09	11/2/2020	8:26	9.6	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.863. The maximum acceptable PCV is 0.495. The measured results were 7.3 MPN/mL and 1.0 MPN/mL. PCV 0.495 was exceeded.
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WW201116-001

NEOUTN

Grab 11/16/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitr	11/16/2020	11:31	11/17/2020	8:38	1.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.495. The measured results were 1.0 MPN/mL and 4.1 MPN/mL. PCV 0.495 was exceeded due to low values in samples.
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WW201116-002

NEOUTS

Grab 11/16/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitr	11/16/2020	11:31	11/17/2020	8:38	5.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.495. The measured results were 1.0 MPN/mL and 4.1 MPN/mL. PCV 0.495 was exceeded due to low values in samples.
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WW201118-001

NEOUTN

Grab 11/18/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitr	11/18/2020	11:25	11/19/2020	8:50	5.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.602. The maximum acceptable PCV is 0.495. The measured results were 3.0 MPN/100mL and <1 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW201118-002

NEOUTS

Grab 11/18/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quantitray)	Colilert 18/Quantitr	11/18/2020	11:25	11/19/2020	8:50	5.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quantitray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.602. The maximum acceptable PCV is 0.495. The measured results were 3.0 MPN/100mL and <1 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
--	--

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name: Aaron Bitler

Title: Laboratory Manager

Date: 12/21/2020



Randy E. Hayman, Water Commissioner

January 28, 2020

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for December 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name: PHILA WATER DEPT - NORTHEAST WPC PLANT**

**Permit Number: PA0026689**

**Report Frequency: Monthly**

**Report Type: DMR**

**Reporting Period: 12/01/2020-12/31/2020**

**Report Due Date: 01/28/2021**

**Submitted By: Mary Ellen Senss**

**Submission Id: 248793**

**Submission Status: Received**

**Submission Type: Original**

# NORTHEAST WATER POLLUTION CONTROL PLANT

## Monthly Monitoring Report for December 2019

Combined Sewer Overflow--Influent Junction Chamber A Gate Throttling

DATE	Start Time	End Time	% Closed	Overflow Y/N	Remarks

**COMMENTS: THERE WERE NO OCCASIONS OF INFLUENT GATE THROTTLING THIS MONTH**

ACTION LEVEL: Overflow from the combined sewer collection system to Frankford Creek occurs when the elevation in Junction Chamber A reaches or exceeds 18.5 feet.

Junction Chamber A Influent Gate is fully open at 85% open and is normally in this position..

# PERMIT NEWPCP - DECEMBER 2020 COMPOSITE SAMPLES

DATE	FLOW * (MGD)	INF* (mg/L)	SUSPENDED SOLIDS				CBOD <sub>5</sub>				CBOD 20 (mg/L)
			EFF (mg/L)	SS% REM	SS%** REM	LBS	INF* (mg/L)	EFF (mg/L)	CBOD5 %REM	CBOD5** %REM	
S	11/29/2020	141	219	4	98	4,717	144	3	98	3,538	
M	11/30/2020	145	205	2	99	2,412	112	2	98	2,412	
T	12/01/2020	303	224	13	94	32,899	97	14	86	35,429	
W	12/02/2020	178	148	3	98	4,452	126	3	98	4,452	10
Th	12/03/2020	164	309	3	99	4,094	181	4	98	5,459	
F	12/04/2020	158	140	2	99	2,633	144	3	98	3,950	8
S	12/05/2020	241	315	4	99	8,043	175	6	97	12,064	
Su	12/06/2020	230	116	7	94	13,444	121	7	94	13,444	
M	12/07/2020	149	137	3	98	3,737	129	2	98	2,492	14
T	12/08/2020	166	92	2	98	2,769	151	4	97	5,538	
W	12/09/2020	165	163	3	98	4,131	152	2	99	2,754	8
Th	12/10/2020	160	196	2	99	2,663	140	3	98	3,995	
F	12/11/2020	157	224	2	99	2,618	152	4	97	5,236	
S	12/12/2020	160	213	2	99	2,669	163	4	98	5,338	
Su	12/13/2020	156	182	3	98	3,897	173	4	98	5,196	
M	12/14/2020	159	212	4	98	5,316	185	7	96	9,303	21
T	12/15/2020	197	172	10	94	16,406	156	12	92	19,687	
W	12/16/2020	162	184	3	98	4,054	141	3	98	4,054	12
Th	12/17/2020	168	147	5	97	6,995	144	3	98	4,197	
F	12/18/2020	264	151	5	97	11,010	113	5	96	11,010	
S	12/19/2020	141	43	4	91	4,693	65	6	91	7,039	
Su	12/20/2020	166	38	3	92	4,145	48	4	92	5,527	
M	12/21/2020	212	158	3	98	5,300	75	9	88	15,899	15
T	12/22/2020	235	201	7	97	13,702	143	6	96	11,745	
W	12/23/2020	198	159	5	97	8,254	144	9	94	14,857	14
Th	12/24/2020	175	196	3	98	4,385	166	7	96	10,232	
F	12/25/2020	286	260	29	89	69,176	132	18	86	42,937	
S	12/26/2020	293	104	15	86	36,643	71	8	89	19,543	
Su	12/27/2020	204	120	4	97	6,799	109	4	96	6,799	
M	12/28/2020	194	19	4	78	6,480	67	5	92	8,099	12
T	12/29/2020	186	83	3	96	4,661	115	4	97	6,214	
W	12/30/2020	183	154	2	99	3,059	137	5	96	7,647	10
Th	12/31/2020	269	217	2	99	4,493	140	3	98	6,739	

TOTAL AVERAGE	6,079	5,075					4,054					
	196	164	5	96	9,794		131	6	95	10,222	12	

Wk1	190	223	4	98	8,464	140	5	96	9,615
Wk2	170	163	3	98	4,576	144	4	97	5,542
Wk3	178	156	5	96	7,482	139	6	95	8,641
Wk4	223	159	9	94	20,229	111	9	91	17,248

MAX 303

CBOD 20 LBS-- 18,229

NPDES/D LIMITS	MO	<30	>85	<52,540	<25	>86	<36,430
	WK	<45		<78,810	<40		<54,645

CBOD 20 LBS-- <71,760

\* ADJUSTED FOR RECYCLE.  
 \*\* ACTUAL % REMOVAL ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 \*\*\* ACTUAL LOADING ON DATES WHEN FLOW EXCEEDED MAXIMUM DAY VALUE AND DEFAULT VALUE USED.  
 (a) DEFAULT WEEKLY LOADING USED WHEN FLOW EXCEEDED MAXIMUM DAY VALUE.

**PERMIT  
NEWPCP - DECEMBER 2020**

**GRAB SAMPLES**

DATE	FLOW * (MGD)	pH EFFLUENT		DISSOLVED OXYGEN (mg/L)	CHLORINE RESIDUALS (mg/L)	FECAL COLIFORM (MPN / 100mL)		
		N	S					
S 11/29/2020	141	6.9	6.9	6.7	0.33	2		
M 11/30/2020	145	6.8	6.8	5.6	0.46	2		
T 12/01/2020	303	6.8	6.7	6.3	0.24	7		
W 12/02/2020	178	6.8	6.8	6.8	0.31	2		
Th 12/03/2020	164	6.8	6.8	6.8	0.37	2		
F 12/04/2020	158	6.8	6.8	6.6	0.34	2		
S 12/05/2020	241	6.9	6.7	4.9	0.41	29		
Su 12/06/2020	230	6.6	6.7	6.7	0.43	1		
M 12/07/2020	149	6.7	6.6	6.3	0.51	3		
T 12/08/2020	166	6.9	6.8	5.5	0.42	3		
W 12/09/2020	165	6.9	6.9	5.0	0.35	3		
Th 12/10/2020	160	6.8	6.8	5.3	0.41	3		
F 12/11/2020	157	6.8	6.8	5.3	0.39	2		
S 12/12/2020	160	6.8	6.9	6.1	0.38	3		
Su 12/13/2020	156	6.8	6.8	6.5	0.33	2		
M 12/14/2020	159	6.9	6.8	6.5	0.39	3		
T 12/15/2020	197	6.6	6.6	7.2	0.39	2		
W 12/16/2020	162	6.8	6.8	7.1	0.40	1		
Th 12/17/2020	168	7.0	6.9	6.5	0.46	4		
F 12/18/2020	264	6.7	6.7	7.0	0.32	7		
S 12/19/2020	141	6.9	6.8	6.9	0.40	8		
Su 12/20/2020	166	6.8	6.8	6.8	0.41	4		
M 12/21/2020	212	6.9	6.8	5.6	0.40	3		
T 12/22/2020	235	6.7	6.7	5.1	0.42	3		
W 12/23/2020	198	6.8	6.7	5.9	0.37	3		
Th 12/24/2020	175	6.7	6.7	5.1	0.34	2		
F 12/25/2020	286	6.7	6.6	4.3	0.36	27		
S 12/26/2020	293	6.8	6.8	6.4	0.51	8		
Su 12/27/2020	204	6.8	6.8	6.6	0.34	2		
M 12/28/2020	194	6.8	6.8	5.8	0.39	2		
T 12/29/2020	186	6.8	6.7	6.7	0.31	4		
W 12/30/2020	183	6.8	6.7	7.0	0.30	4		
Th 12/31/2020	269	6.9	6.8	6.5	0.06	434		
<b>TOTAL</b>	<b>6,079</b>	<b>MIN</b>	<b>MAX</b>	<b>MIN</b>	<b>AVG</b>	<b>AVG</b>	<b>MAX</b>	<b>GEOMETRIC</b>
<b>AVERAGE</b>	<b>196</b>	<b>6.6</b>	<b>7.0</b>	<b>4.3</b>	<b>6.1</b>	<b>0.37</b>	<b>0.51</b>	<b>MEAN</b>
								<b>4</b>

Wk1 190  
Wk2 170  
Wk3 178  
Wk4 223

**MAX** 303

EFFLUENT  
NPDES/D MIN MAX  
LIMITS 6.0 9.0

GEO  
MEAN  
<200

\* ADJUSTED FOR RECYCLE.

**PERMIT  
NEWPCP - DECEMBER 2020  
GRAB SAMPLES**

Date	TOTAL CHLORINE RESIDUAL			TOTAL DISSOLVED OXYGEN			FECAL COLIFORM		GEO MN (MPN 100 mL)
	N (mg/L)	S (mg/L)	AVG (mg/L)	N (mg/L)	S (mg/L)	AVG (mg/L)	N (MPN 100 mL)	S (MPN 100 mL)	
12/01/2020	0.24	0.23	0.24	6.2	6.4	6.3	9	5	7
12/02/2020	0.33	0.29	0.31	6.8	6.8	6.8	2	3	2
12/03/2020	0.40	0.34	0.37	6.8	6.8	6.8	3	1	2
12/04/2020	0.36	0.31	0.34	6.6	6.5	6.6	3	2	2
12/05/2020	0.42	0.40	0.41	4.9	4.9	4.9	78	11	29
12/06/2020	0.46	0.39	0.43	6.6	6.7	6.7	1	1	1
12/07/2020	0.54	0.47	0.51	6.2	6.4	6.3	4	2	3
12/08/2020	0.43	0.41	0.42	5.4	5.6	5.5	2	4	3
12/09/2020	0.36	0.33	0.35	5.0	5.0	5.0	3	3	3
12/10/2020	0.42	0.40	0.41	5.3	5.3	5.3	5	2	3
12/11/2020	0.40	0.38	0.39	5.2	5.4	5.3	4	1	2
12/12/2020	0.38	0.38	0.38	6.0	6.2	6.1	5	2	3
12/13/2020	0.34	0.31	0.33	6.5	6.5	6.5	2	3	2
12/14/2020	0.38	0.39	0.39	6.4	6.5	6.5	2	4	3
12/15/2020	0.41	0.36	0.39	7.1	7.2	7.2	2	3	2
12/16/2020	0.40	0.39	0.40	7.0	7.1	7.1	2	1	1
12/17/2020	0.45	0.46	0.46	6.4	6.6	6.5	3	6	4
12/18/2020	0.31	0.32	0.32	6.9	7.0	7.0	5	8	7
12/19/2020	0.40	0.40	0.40	6.7	7.0	6.9	5	12	8
12/20/2020	0.40	0.42	0.41	6.8	6.7	6.8	4	3	4
12/21/2020	0.41	0.39	0.40	5.5	5.7	5.6	2	4	3
12/22/2020	0.39	0.44	0.42	5.1	5.0	5.1	12	1	3
12/23/2020	0.38	0.36	0.37	5.9	5.8	5.9	2	4	3
12/24/2020	0.34	0.34	0.34	5.0	5.1	5.1	3	1	2
12/25/2020	0.33	0.39	0.36	4.3	4.3	4.3	36	21	27
12/26/2020	0.51	0.51	0.51	6.0	6.8	6.4	10	6	8
12/27/2020	0.33	0.35	0.34	6.3	6.8	6.6	3	1	2
12/28/2020	0.39	0.39	0.39	5.2	6.4	5.8	4	1	2
12/29/2020	0.30	0.31	0.31	6.5	6.9	6.7	3	6	4
12/30/2020	0.28	0.32	0.30	6.8	7.1	7.0	3	4	4
12/31/2020	0.06	0.06	0.06	6.2	6.7	6.5	548	345	434
Avg	0.37	0.36	0.37	6.1	6.2	6.1	5	3	4

# PERMIT

## NEWPCP - DECEMBER 2020

BOD <sub>5</sub>			
Date	PERMIT INFLUENT (mg/L)	PERMIT EFFLUENT (mg/L)	%REM
12/01/2020			
12/02/2020	133	6	95%
12/03/2020			
12/04/2020	146	5	97%
12/05/2020			
12/06/2020			
12/07/2020	135	4	97%
12/08/2020			
12/09/2020	134	2	99%
12/10/2020			
12/11/2020			
12/12/2020			
12/13/2020			
12/14/2020	176	7	96%
12/15/2020			
12/16/2020	151	5	97%
12/17/2020			
12/18/2020			
12/19/2020			
12/20/2020			
12/21/2020	199	10	95%
12/22/2020			
12/23/2020	155	10	94%
12/24/2020			
12/25/2020			
12/26/2020			
12/27/2020			
12/28/2020	136	9	93%
12/29/2020			
12/30/2020	158	7	96%
12/31/2020			
AVG	152	7	96%



**DESIGN - 210 MGD**

<b>NEWPCP - DECEMBER 2020</b>						
<b>DATE</b>	<b>FHL</b>	<b>DEL LL</b>	<b>SOM/FLL*</b>	<b>NE TOTAL*</b>	<b>PEAK FLOW</b>	<b>RAIN</b>
12/01/2020	90	152	62	303	457	
12/02/2020	48	97	33	178	249	
12/03/2020	47	88	29	164	202	
12/04/2020	46	84	28	158	199	0.3
12/05/2020	76	112	53	241	434	0.77
12/06/2020	69	125	36	230	411	
12/07/2020	36	94	19	149	252	
12/08/2020	48	89	29	166	214	
12/09/2020	47	89	29	165	224	T
12/10/2020	47	83	29	160	197	
12/11/2020	47	80	30	157	204	
12/12/2020	49	82	29	160	207	
12/13/2020	48	78	30	156	193	T
12/14/2020	47	80	32	159	211	0.53
12/15/2020	77	68	52	197	405	
12/16/2020	47	82	33	162	212	0.7
12/17/2020	48	86	34	168	198	0.21
12/18/2020	103	81	80	264	272	
12/19/2020	50	56	35	141	231	
12/20/2020	48	84	34	166	211	T
12/21/2020	56	117	39	212	259	0.02
12/22/2020	74	110	51	235	324	0.03
12/23/2020	65	88	44	198	301	
12/24/2020	50	90	35	175	212	1.34
12/25/2020	86	136	64	286	494	0.44
12/26/2020	82	164	47	293	453	
12/27/2020	59	113	32	204	289	
12/28/2020	59	102	32	194	259	T
12/29/2020	54	102	30	186	249	
12/30/2020	57	95	31	183	219	
12/31/2020	112	93	65	269	223	0.04
<b>TOTAL</b>	<b>1,874</b>	<b>3,000</b>	<b>1,080</b>	<b>5,440</b>		<b>4.38</b>
<b>AVG</b>	<b>60</b>	<b>97</b>	<b>39</b>	<b>196</b>		
			<b>MIN</b>	<b>141</b>	<b>193</b>	
			<b>MAX</b>	<b>303</b>	<b>494</b>	

\* ADJUSTED FOR RECYCLE.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 12/01/2020  
 DMR Effective To: 12/31/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	12	01	TO	2020	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	4.3	6.1	***	mg/L	1/day	Grab
	Permit Requirement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	7.0	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	9794	20229	lbs/day	***	5	9	mg/L	1/day	24-Hr Composite
	Permit Requirement	52540 Avg Mo	78810 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		1/day	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	3.89	4.72	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrite an N (00615)	Sample Measurement	***	***	***	***	.674	.750	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Nitrate as N (00620)	Sample Measurement	***	***	***	***	2.905	4.190	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	5.04	5.99	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	.256	.430	mg/L	1/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		1/week	24-Hr Composite
1,2-Dichloroethane (32103)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Chloroform (32106)	Sample Measurement	***	***	***	***	.0017	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total (32730)	Sample Measurement	***	***	***	***	.110	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Chlorodibromomethane (34306)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Copper, Total (01042)	Sample Measurement	***	***	***	***	.0070	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Total (01045)	Sample Measurement	***	***	***	***	.1300	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved (01046)	Sample Measurement	***	***	***	***	.0580	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total (01051)	Sample Measurement	***	***	***	***	< .0030	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

Zinc, Total (01092)	Sample Measurement	***	***	***	***	.0290	***	mg/L	1/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Flow (50050)	Sample Measurement	196	303	MGD	***	***	***	***	Continuous	Metered
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Metered
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.37	.51	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.0 IMAX		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Tetrachloroethylene (34475)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene (39180)	Sample Measurement	***	***	***	***	< .0005	***	mg/L	1/month	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	4	***	CFU/100 ml	1/day	Grab
	Permit Requirement	***	***		***	200 Geo Mean	***		1/day	Grab
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	10222	17248	lbs/day	***	6	9	mg/L	1/day	24-Hr Composite
	Permit Requirement	36430 Avg Mo	54645 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
	<b>Facility Parameter Comments</b>	See attached data qualifier report.								
BOD, carbonaceous, 20 day, 20 C (80087)	Sample Measurement	18229	***	lbs/day	***	***	***	***	2/week	24-Hr Composite
	Permit Requirement	71760 Avg Mo	***		***	***	***		2/week	24-Hr Composite
<b>Facility Sampling Point Comments</b>										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Percent Removal

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 12/01/2020  
 DMR Effective To: 12/31/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	12	01	TO	2020	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
CBOD5 Minimum % Removal (80091)	Sample Measurement	***	***	***	95	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		86	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal (81011)	Sample Measurement	***	***	***	96	***	***	%	1/day	24-Hr Composite
	Permit Requirement	***	***		85	***	***		1/day	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
202012SL.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2021-01-28T10:43:44-05:00	
BLSNE202012.xlsx	Nutrient Monitoring Form	2021-01-28T10:44:21-05:00	
E-NPDES NE202012.xlsx	Daily Effluent Monitoring Form	2021-01-28T10:43:22-05:00	
NE Daily Composite (01-21-2021).pdf	Laboratory Accreditation Form	2021-01-28T10:45:15-05:00	
NE Daily Grab (01-21-2021).pdf	Laboratory Accreditation Form	2021-01-28T10:45:36-05:00	
NECSO 202012.xlsx	CSO Detailed Outfall Report Form	2021-01-28T10:44:49-05:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
			(215)	685-6258	2021	01	28
senssm		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF DECEMBER 2020

Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
12/02/2020	0.698	0.903	2.61	3.50	0.180
12/09/2020	0.726	2.810	4.72	5.99	0.212
12/16/2020	0.750	3.540	3.60	4.55	0.256
12/22/2020	0.622	3.080	4.02	5.56	0.430
12/29/2020	0.575	4.190	4.48	5.60	0.200
<b>AVG</b>	0.674	2.905	3.89	5.04	0.256
<b>MAX</b>	0.750	4.190	4.72	5.99	0.430

**Cyanide and Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
12/04/2020	0.110

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

**Metals Data (mg/L)**  
**Northeast WPCP - Outfall**

Date	01/09/2020
Copper	0.0070
Iron	0.1300
Iron Dissolved	0.0580
Lead	< 0.0030
Zinc	0.0290

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	12/08/2020
1,2-Dichloroethane	< 0.0005
Chloroform	0.0017
Chlorodibromomethane	< 0.0005
Tetrachloroethylene	< 0.0005
Trichloroethylene	< 0.0005

NE Daily Composite

Report: BLS20210121-001  
 Report Date: 01/21/2021

WW201203-013

NEOUT

Composite 24h 12/03/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	12/3/2020	11:25	12/8/2020	8:14	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in three blanks was 0.24, 0.23, and 0.63 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW201215-013

NEOUT

Composite 24h 12/15/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	12/15/2020	8:05	12/15/2020	10:09	10.0	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 73%. Acceptance limits are 85 to 115%.								
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WW201219-013

NEOUT

Composite 24h 12/19/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	12/19/2020	11:24	12/24/2020	8:50	6	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 247.1 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.49 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
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WW201220-013

NEOUT

Composite 24h 12/20/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	12/20/2020	12:17	12/25/2020	8:40	4	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 236.2 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.								
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WW201221-014

NEOUT

Composite 24h 12/21/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	12/21/2020	9:15	1/10/2021	8:07	15	mg/L	2.0	mg/L
CBOD5	SM 5210 B	12/21/2020	9:25	12/26/2020	8:24	9	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 259.5 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in four blanks was 0.67, 0.38, 0.50, and 0.41 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 259.5 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in four blanks was 0.67, 0.38, 0.50 and 0.41 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.								

WW201222-015

NEOUT

Composite 24h 12/22/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Solids Suspended Total	SM 2540 D	12/22/2020	7:06	12/22/2020	9:11	7.00	mg/L	2.5	mg/L

Data Qualifiers:

Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 128%. Acceptance limits are 85 to 115%.								
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WW201223-014

NEOUT

Composite 24h 12/23/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	12/23/2020	10:00	1/12/2021	8:02	14	mg/L	2.0	mg/L
CBOD5	SM 5210 B	12/23/2020	10:35	12/28/2020	9:19	9	mg/L	2.0	mg/L

Data Qualifiers:

CBOD20	Glucose-Glutamic Acid (GGA) recovery is 236.8 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.28 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Glucose-Glutamic Acid (GGA) recovery is 236.8 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.28 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.

WW201224-013

NEOUT

Composite 24h 12/24/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	12/24/2020	12:45	12/29/2020	8:35	7	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 246.7 mg/L. Acceptance limits are 167.5 to 228.5 mg/L. Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in three blanks was 0.35, 0.25, and 0.31 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW201230-014

NEOUT

Composite 24h 12/30/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD20	SM 5210 B	12/30/2020	8:55	1/19/2021	6:45	10	mg/L	2.0	mg/L
CBOD5	SM 5210 B	12/30/2020	9:10	1/4/2021	9:07	5	mg/L	2.0	mg/L
Solids Suspended Total	SM 2540 D	12/30/2020	7:35	12/30/2020	9:45	2.00	mg/L	2.5	mg/L

Data Qualifiers:

CBOD20	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in two blanks was 0.46 and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in two blanks was 0.46 and 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
Solids Suspended Total	Laboratory Control Sample (LCS) recovery is 65%. Acceptance limits are 85 to 115%.

Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

1/21/2021



NE Daily Grab

Report: BLS20210121-002  
 Report Date: 01/21/2021

WW201205-001

NEOUTN

Grab 12/05/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			12/5/2020	9:36	0.42	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.08 and 0.09 mg/L.
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WW201205-002

NEOUTS

Grab 12/05/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Chlorine Residual Total	SM 4500-Cl G			12/5/2020	9:36	0.40	mg/L	0.05	mg/L

Data Qualifiers:

Chlorine Residual Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 16%. The maximum acceptable RPD is 15%. The measured results were 0.08 and 0.09 mg/L.
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WW201212-001

NEOUTN

Grab 12/12/2020 09:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Coli-18/Quant-Tray)	Coli-18 /Quantitray	12/12/2020	10:40	12/13/2020	8:15	5.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Coli-18/Quant-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.716. The maximum acceptable PCV is 0.495. The measured results were 5.2 MPN/100mL and 1.0 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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WW201212-002

NEOUTS

Grab 12/12/2020 09:20

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Coli-18/Quant-Tray)	Coli-18 /Quantit	12/12/2020	10:40	12/13/2020	8:15	2.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Coli-18/Quant-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.716. The maximum acceptable PCV is 0.495. The measured results were 5.2 MPN/100mL and 1.0 MPN/100mL. PCV 0.495 was exceeded due to low values in samples.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401.
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

1/21/2021



Randy E. Hayman, Water Commissioner

January 28, 2020

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for the period from October 2020 to December 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name: PHILA WATER DEPT - NORTHEAST WPC PLANT**

**Permit Number: PA0026689**

**Report Frequency: Quarterly**

**Report Type: DMR**

**Reporting Period: 10/01/2020-12/31/2020**

**Report Due Date: 01/28/2021**

**Submitted By: Mary Ellen Senss**

**Submission Id: 248613**

**Submission Status: Received**

**Submission Type: Original**



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Quarterly  
 DMR Effective From: 10/01/2020  
 DMR Effective To: 12/31/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	10	01	TO	2020	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival (61425)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	Actual value should be "< 1".								
Toxicity, Chronic - Ceriodaphnia Survival (61426)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	Actual value should be "< 1".								
Toxicity, Acute - Pimephales Survival (61427)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	Actual value should be "< 1".								
Chlordane (51032)	Sample Measurement	***	***	***	***	< .0004800	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
3,3-Dichlorobenzidine (34631)	Sample Measurement	***	***	***	***	< .0222	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Benzidine (39120)	Sample Measurement	***	***	***	***	< .0111	***	mg/L	3/quarter	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	Grab
	Facility Parameter Comments	See attached data qualifier report.								
4,4-DDT (39300)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
4,4-DDD (39310)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
4,4-DDE (39320)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
alpha-BHC (39336)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
beta-BHC (39338)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
gamma-BHC (Lindane) (39344)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Dieldrin (39380)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Endrin (39390)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite



**COMMONWEALTH OF PENNSYLVANIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**BUREAU OF CLEAN WATER**  
**DISCHARGE MONITORING REPORT (DMR)**

Heptachlor (39410)	Sample Measurement	***	***	***	***	< .0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Toxicity, Chronic - Pimephales Survival (61428)	Sample Measurement	***	***	***	***	***	1	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	Actual value should be "< 1".								
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
BLSNE202010.xlsx	WET Test Summary Report	2021-01-28T07:45:39-05:00	
NE WET Testing Composite (11-23-2020).pdf	Laboratory Accreditation Form	2021-01-28T07:46:09-05:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2021	01	28
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES  
 Northeast Water Pollution Control Plant  
 NPDES SUMMARY FOR THE MONTH OF OCTOBER 2020  
 Central Laboratory

**Nitrogen Series and Phosphorus Data (mg/L)**

**Northeast WPCP - Outfall**

Date	NO2 - N	NO3 - N	NH3 - N	TKN	P
10/05/2020	1.170	3.860	4.49	5.93	0.366
10/07/2020	1.140	3.490	3.94	5.13	0.207
10/09/2020	1.130	3.130	4.53	5.45	0.206
10/14/2020	1.040	3.240	3.40	3.92	0.351
10/21/2020	1.120	3.230	4.31	5.45	0.659
10/28/2020	1.200	3.540	4.13	5.36	0.591
<b>AVG</b>	1.133	3.415	4.13	5.21	0.397
<b>MAX</b>	1.200	3.860	4.53	5.93	0.659

**Cyanide and Phenol Data (mg/L)**

**Northeast WPCP - Outfall**

Date	Phenolics
10/05/2020	< 0.050
10/07/2020	< 0.050
10/09/2020	< 0.050
<b>AVG</b>	< 0.050

**Metals Data (mg/L)**

**Northeast WPCP - Outfall**

Date	10/07/2020	10/09/2020	10/11/2020	AVG
<b>Copper</b>	0.0050	0.0040	0.0040	0.0043
<b>Iron</b>	0.0960	0.0960	0.1350	0.1090
<b>Iron Dissolved</b>	0.0690	0.0650	0.0560	0.0633
<b>Lead</b>	< 0.0030	< 0.0030	< 0.0030	< 0.0030
<b>Zinc</b>	0.0230	0.0200	0.0190	0.0207

**Organics Data (mg/L)**

**Northeast WPCP - Outfall**

Date	10/04/2020	10/05/2020	10/06/2020	10/07/2020	10/08/2020	10/09/2020	AVG
<b>1,2-Dichloroethane</b>	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
<b>3,3-Dichlorobenzidine</b>		< 0.0095		< 0.0476		< 0.0095	< 0.0222
<b>alpha-BHC</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>Benzidine</b>		< 0.0048		< 0.0238		< 0.0048	< 0.0111
<b>Beta-BHC</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>Chlordane</b>		< 0.0004800		< 0.0004800		< 0.0004800	< 0.0004800
<b>Chloroform</b>	0.0010	0.0010	0.0010	0.0014	0.0013	0.0012	0.0011
<b>Chlorodibromomethane</b>	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
<b>Dieldrin</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>Endrin</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>Heptachlor</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>p,p'-DDD</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>p,p'-DDE</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>p,p'-DDT</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>Lindane(Gamma-BHC)</b>		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
<b>Tetrachloroethylene</b>	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
<b>Trichloroethylene</b>	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0007	< 0.0005	< 0.0005

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF OCTOBER 2020

Central Laboratory

Toxicity (TUA)

Northeast WPCP - Outfall

10/09/2020

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic	<	1
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic	<	1

NE WET Testing Composite

WW201001-013

NEOUT

Composite 24h 10/01/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/1/2020	9:10	10/6/2020	7:40	3	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.26 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW201005-006

NEOUT

Composite 24h 10/05/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Benzidine <sup>BD</sup>	EPA 625.1	10/12/2020	18:02	10/13/2020	14:01	<4.76 <sup>E</sup>	µg/L	4.76	µg/L
CBOD5	SM 5210 B	10/5/2020	14:40	10/10/2020	9:00	1.05	mg/L	2.0	mg/L

Data Qualifiers:

Benzidine	The Matrix Spike associated with this sample is below the established acceptance criteria, indicating a potential matrix interference. Results of the sample may be biased low.
CBOD5	GGA recovery is 151.33 mg/L. The acceptance limits are 167.5 to 228.5 mg/L.

WW201007-011

NEOUT

Composite 24h 10/07/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Endosulfan I <sup>BD</sup>	EPA 608.3	10/12/2020	0:00	10/13/2020	17:31	<0.02 <sup>E</sup>	µg/L	0.02	µg/L

Data Qualifiers:

Endosulfan I	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
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WW201009-006

NEOUT

Composite 24h 10/09/2020 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Benzidine <sup>BD</sup>	EPA 625.1	10/9/2020	13:05	10/15/2020	20:22	<4.76 <sup>E</sup>	µg/L	4.76	µg/L
CBOD5	SM 5210 B	10/9/2020	13:05	10/14/2020	10:30	2.03	mg/L	2.0	mg/L
Di-n-butyl phthalate <sup>BD</sup>	EPA 625.1	10/13/2020	0:00	10/15/2020	20:22	<2.86 <sup>E</sup>	µg/L	2.86	µg/L
Endosulfan I <sup>BD</sup>	EPA 608.3	10/12/2020	0:00	10/13/2020	17:46	<0.02 <sup>E</sup>	µg/L	0.02	µg/L

Data Qualifiers:

Benzidine	The recovery of LCS is 9%, which is outside the acceptance limits of 10-93%. Results may have greater uncertainty.
CBOD5	Test replicates show >30% difference between highest and lowest values. The Relative Percent Difference between the values is 36%.
Di-n-butyl phthalate	The target analyte was detected in the Method, Dilution Water, Instrument or Extraction Blank or Sterility Check at or above the MRL or applicable method, client, or regulatory requirement. Possibility of high bias in the sample result, however it is ND.
Endosulfan I	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.

WW201011-013

NEOUT

Composite 24h 10/11/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/11/2020	11:10	10/16/2020	8:17	3	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.24 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW201012-014

NEOUT

Composite 24h 10/12/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/12/2020	11:45	10/17/2020	8:35	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 242.5 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW201017-013

NEOUT

Composite 24h 10/17/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/17/2020	12:35	10/22/2020	8:16	13	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.21 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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WW201018-013

NEOUT

Composite 24h 10/18/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/18/2020	9:15	10/23/2020	7:30	3	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 237.0 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW201019-014

NEOUT

Composite 24h 10/19/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/19/2020	10:30	10/24/2020	8:14	5	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 235.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW201020-013

NEOUT

Composite 24h 10/20/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/20/2020	8:55	10/25/2020	8:10	3	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Glucose-Glutamic Acid (GGA) recovery is 229.4 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.
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WW201029-013

NEOUT

Composite 24h 10/29/2020 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
CBOD5	SM 5210 B	10/9/2020	11:40	11/3/2020	7:55	3	mg/L	2.0	mg/L

Data Qualifiers:

CBOD5	Dissolved oxygen concentration measured in the method blank exceeded method specifications. The concentration in one blank was 0.22 mg/L. The maximum acceptable concentration in the blank is 0.20 mg/L.
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Legend

- A - Results reported on a basis other than as received, e.g. dry weight.
- B - Tests performed are not covered by BLS's scope of accreditation.
- C - Results not meeting the requirements of PA 25 § 252.401
- D - Test performed by a contract laboratory.
- E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name:

Aaron Bitler

Title:

Laboratory Manager

Date:

11/23/2020



Randy E. Hayman, Water Commissioner

January 28, 2020

The City of Philadelphia hereby submits the Annually Discharge Monitoring Report (DMR) for the Northeast Water Pollution Control Plant for 2020. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

**Facility Name: PHILA WATER DEPT - NORTHEAST WPC PLANT**  
**Permit Number: PA0026689**  
**Report Frequency: Annually**  
**Report Type: DMR**  
**Reporting Period: 01/01/2020-12/31/2020**  
**Report Due Date: 01/28/2021**

**Submitted By: Mary Ellen Senss**  
**Submission Id: 248767**  
**Submission Status: Received**  
**Submission Type: Original**



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

<b>PA0026689</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Annually  
 DMR Effective From: 01/01/2020  
 DMR Effective To: 12/31/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	01	01	TO	2020	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
PCBs Wet Weather Analysis (51556)	Sample Measurement	***	***	***	1469	***	3760	pg/L	2/year	24-Hr Composite
	Permit Requirement	***	***		Monitor & Report Min	***	Monitor & Report Max		2/year	24-Hr Composite
PCBs Dry Weather Analysis (51557)	Sample Measurement	***	***	***	3826	***	6843	pg/L	2/year	24-Hr Composite
	Permit Requirement	***	***		Monitor & Report Min	***	Monitor & Report Max		2/year	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

NAME: PHILA WATER DEPT  
 ADDRESS: 1101 MARKET STREET, 6TH FLOOR, PHILADELPHIA PA, 19107-2994  
 FACILITY: PHILA WATER DEPT - NORTHEAST WPC PLANT  
 LOCATION: 3899 RICHMOND ST, PHILADELPHIA PA, 19137  
 STAGE: Final Effluent

<b>PA0026689</b>	<b>061</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Annually  
 DMR Effective From: 01/01/2020  
 DMR Effective To: 12/31/2020  
 Permit Expires: 08/31/2012  
 Permit Application Due: 03/04/2012  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2020	01	01	TO	2020	12	31

**PARAMETERS REPORTED VALUES**

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Chemical Oxygen Demand (COD) (00340)	Sample Measurement	***	***	***	***	***	< 50	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
pH (00400)	Sample Measurement	***	***	***	***	***	7.5	S.U.	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	***	58	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	5.3	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	***	4.9	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	***	.739	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	***	4106	CFU/100 ml	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	***	19	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
DISCHARGE MONITORING REPORT (DMR)**

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
BLSNE202012 Annual.xlsx	Annual Nutrient Summary Form	2021-01-28T10:27:18-05:00	

**PERMIT VIOLATIONS**

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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**UNAUTHORIZED DISCHARGES**

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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**OTHER PERMIT VIOLATIONS**

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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**COMMENT DETAILS**

Comments	Operator Name	Operator Certification Number	Operator Contact Number
Annual PCB and Stormwater DMR	Mary Ellen Senss	S12300	(215)-685-6258

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2021	01	28
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

**Northeast Water Pollution Control Plant**

**NPDES SUMMARY FOR THE MONTH OF DECEMBER 2020**

Central Laboratory

**PCB (pg/L)**

**Northeast WPCP - Outfall**

<b>PCB</b>	<b>04/13/2020</b>	<b>05/15/2020</b>	<b>10/21/2020</b>	<b>10/20/2020</b>	<b>AVG</b>
<b>Dry Test</b>	3,826			6,843	5,334
<b>Wet Test</b>		3,760	1,469		2,615

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Northeast Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF DECEMBER 2020

Central Laboratory

**Stormwater Sampling (mg/L)**

**Northeast WPCP - Outfall**

**05/22/2020**

<b>COD</b>	<	50
<b>HEM (Oil &amp; Grease)</b>		5.3
<b>Phosphorous Total</b>		0.739
<b>TKN</b>		4.9
<b>CBOD<sub>5</sub></b>		19
<b>Total Suspended Solid</b>		58

**Stormwater Sampling (pH)**

**05/22/2020**

<b>pH</b>		7.5
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**Stormwater Sampling (#/100mls)**

**05/22/2020**

<b>Fecal Coliform</b>		4,106.0
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