
EXHIBIT N8

DISCHARGE MONITORING REPORTS -
PWD SWWPCP FROM
JANUARY 2015 THROUGH DECEMBER 2019

**E2 Receipt**

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Submission ID: 92285

Submitted on 2/25/2015 1:08:11 PM, at 170.115.248.22

Submitted by:

Mary Ellen Senss
PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
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PHILADELPHIA, PA 19153
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Report Detail

Facility Name	Monthly Discharge Monitoring Report PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
Permit Number	PA0026671
Report Frequency	Monthly
Report Period	01/01/2015 - 01/31/2015

Attachment Detail**Online Attachments**

- E-NPDES SW201501.xls
- BLSSW201501.xls
- SWCSO 201501.xls
- 201501SL.xls

Mail Attachments

Mail to Address:

Mail in the following attachment(s):

Thank you for using E2 system!

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for January 2015

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-01-01 **NO DISCHARGE**
ADDRESS: 19107-2994 **To:** 2015-01-31 **FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Dissolved Oxygen	Sample Measurement	*****	*****		4.8	6.4	*****	mg/L	0	1/day	Grab
Parameter Code: 00300	Permit Requirement	*****	*****		Report Instantaneous Minimum	Report Average Monthly	*****			1/day	Grab
Stage Code: 1											
pH	Sample Measurement	*****	*****		6.9	*****	7.1	S.U.	0	1/day	Grab
Parameter Code: 00400	Permit Requirement	*****	*****		6.0 Instantaneous Minimum	*****	9.0 Instantaneous Maximum			1/day	Grab
Stage Code: 1											
Total Suspended Solids	Sample Measurement	8812	15508		*****	6	9	mg/L	0	1/day	24-Hr Composite
Parameter Code: 00530	Permit Requirement	50400 Average Monthly	75060 Weekly Average	lbs/day	*****	30 Average Monthly	45 Weekly Average			1/day	24-Hr Composite
Stage Code: 1											
Ammonia-Nitrogen	Sample Measurement	*****	*****		*****	24.15	27.70	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00610	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Nitrite as N	Sample Measurement	*****	*****		*****	.562	.618	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00615	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Nitrate as N	Sample Measurement	*****	*****		*****	1.262	1.535	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00620	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Total Kjeldahl Nitrogen	Sample Measurement	*****	*****		*****	22.48	24.80	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00625	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-02-25		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 1

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-01-01 To: 2015-01-31 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Total Phosphorus	Sample Measurement	****	****		****	.302	.470		0	1/week	24-Hr Composite
Parameter Code: 00665	Permit Requirement	****	****		****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Total Copper	Sample Measurement	****	****		****	.0090	****		0	1/month	24-Hr Composite
Parameter Code: 01042	Permit Requirement	****	****		****	Report Average Monthly	****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Dissolved Iron	Sample Measurement	****	****		****	.0640	****		0	1/month	24-Hr Composite
Parameter Code: 01046	Permit Requirement	****	****		****	Report Average Monthly	****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Lead	Sample Measurement	****	****		****	<.0030	****		0	1/month	24-Hr Composite
Parameter Code: 01051	Permit Requirement	****	****		****	Report Average Monthly	****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Nickel	Sample Measurement	****	****		****	.0040	****		0	1/month	24-Hr Composite
Parameter Code: 01067	Permit Requirement	****	****		****	Report Average Monthly	****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Zinc	Sample Measurement	****	****		****	.0440	****		0	1/month	24-Hr Composite
Parameter Code: 01092	Permit Requirement	****	****		****	Report Average Monthly	****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Selenium	Sample Measurement	****	****		****	<.0030	****		0	1/month	24-Hr Composite
Parameter Code: 01147	Permit Requirement	****	****		****	Report Average Monthly	****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
											2015-02-25

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 2

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-01-01 To: 2015-01-31 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
1,2-Dichloroethane	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 32103 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Chloroform	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 32106 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Total Phenolics	Sample Measurement	*****	*****		*****	.040	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 32730 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Tetrachloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 34475 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Trichloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 39180 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Flow (mgd)	Sample Measurement	178	318	MGD	*****	*****	*****		0	Continuous	Metered
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	Report Daily Maximum		*****	*****	*****			Continuous	Metered
Total Residual Chlorine (TRC)	Sample Measurement	*****	*****		*****	.15	.34	mg/L	0	1/day	Grab
Parameter Code: 50060 Stage Code: 1	Permit Requirement	*****	*****		*****	0.5 Average Monthly	1.0 Instantaneous Maximum			1/day	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No		Date
											2015-02-25

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Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-01-01 To: 2015-01-31 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Free Available Cyanide	Sample Measurement	*****	*****		*****	<.010	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 51173 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Fecal Coliform	Sample Measurement	*****	*****		*****	7	*****	CFU/100 mL	0	1/day	Grab
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	200 Geometric Mean	*****			1/day	Grab
CBOD5	Sample Measurement	6329	9648		*****	4	6	mg/L	0	1/day	24-Hr Composite
Parameter Code: 80082 Stage Code: 1	Permit Requirement	19800 Average Monthly	29700 Weekly Average	lbs/day	*****	25 Average Monthly	40 Weekly Average			1/day	24-Hr Composite
CBOD20	Sample Measurement	23630	*****		*****	*****	*****		0	2/week	24-Hr Composite
Parameter Code: 80087 Stage Code: 1	Permit Requirement	35830 Average Monthly	*****	lbs/day	*****	*****	*****			2/week	24-Hr Composite
CBOD5 % Removal	Sample Measurement	*****	*****		96	*****	*****	%	0	1/day	24-Hr Composite
Parameter Code: 80091 Stage Code: K	Permit Requirement	*****	*****		89.25 Minimum Monthly % Removal	*****	*****			1/day	24-Hr Composite
TSS % Removal	Sample Measurement	*****	*****		97	*****	*****	%	0	1/day	24-Hr Composite
Parameter Code: 81011 Stage Code: K	Permit Requirement	*****	*****		85 Minimum Monthly % Removal	*****	*****			1/day	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
										2015-02-25	

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Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 101 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-01-01 **NO DISCHARGE**
 19107-2994 **TO:** 2015-01-31 **FROM SITE:** (X)

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
pH	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 00400	Permit Requirement	*****	*****		Report Instantaneous Minimum	*****	Report Instantaneous Maximum	S.U.		Daily when Discharging	Grab
Stage Code: 1											
Flow (mgd)	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 50050	Permit Requirement	Report Average Monthly	*****	MGD	*****	*****	*****			1/discharge	Estimate
Stage Code: 1											
Fecal Coliform	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 74055	Permit Requirement	*****	*****		*****	*****	Report Instantaneous Maximum	CFU/100 mL		Daily when Discharging	Grab
Stage Code: 1											
Duration of Discharge	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 81381	Permit Requirement	Report Average Monthly	*****	minutes	*****	*****	*****			1/discharge	Estimate
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-02-25		

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GENERAL REPORT COMMENT:

All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. A flow in excess of 300 MGD qualified for permit relief on the 18th of the month and was used in compliance reporting.

PARAMETER SPECIFIC COMMENTS:

PERMIT

SWWPCP - JANUARY 2015

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	CBOD 5		CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*			inf (mg/l)	eff (mg/l)	
Th 01/01/2015	142	207	4	98		4,735		112	3	97
F 01/02/2015	142	143	4	97		4,739		120	3	97
S 01/03/2015	251	179	4	98		8,375		78	5	94
Su 01/04/2015	213	135	7	95		12,436		77	4	95
M 01/05/2015	156	190	8	96		10,406		88	3	97
T 01/06/2015	154	185	5	97		6,417		90	3	97
W 01/07/2015	153	182	4	98		5,105		128	6	95
Th 01/08/2015	154	264	5	98		6,422		96	2	98
F 01/09/2015	153	136	5	96		6,379		106	3	97
S 01/10/2015	151	162	4	98		5,030		117	3	97
Su 01/11/2015	157	187	4	98		5,237		99	2	98
M 01/12/2015	250	194	6	97		12,509		89	7	92
T 01/13/2015	159	183	4	98		5,303		102	4	96
W 01/14/2015	158	186	4	98		5,270		107	4	96
Th 01/15/2015	156	173	4	98		5,203		101	3	97
F 01/16/2015	156	126	5	96		6,506		82	1	99
S 01/17/2015	156	173	6	97		7,808		112	8	93
Su 01/18/2015	318	162	28	85	83	50,400	74,265	97	15	89
M 01/19/2015	185	176	4	98		6,172		89	6	93
T 01/20/2015	171	183	4	98		5,704		96	3	97
W 01/21/2015	168	140	4	97		5,604		123	8	94
Th 01/22/2015	167	185	6	97		8,355		113	4	96
F 01/23/2015	190	179	5	97		7,916		103	4	96
S 01/24/2015	266	120	11	91		24,403		66	5	92
Su 01/25/2015	179	183	6	97		8,957		70	3	96
M 01/26/2015	176	179	6	97		8,807		87	4	95
T 01/27/2015	171	200	6	97		8,555		89	3	97
W 01/28/2015	163	185	4	98		5,426		111	5	96
Th 01/29/2015	168	185	4	98		5,604		86	3	97
F 01/30/2015	163	109	3	97		4,078		85	3	96
S 01/31/2015	160	113	4	96		5,325		105	4	96

TOTAL	5,505	5,305	178					3,022	134				
AVERAGE	178	171	6	97		8,812		97	4	96		6,329	16

Wk1	162	179	5			7,456		100	3			4,669	
Wk2	170	175	5			6,834		99	4			6,200	
Wk3	209	164	9			15,508		98	6			9,648	(a)
Wk4	168	165	5			6,679		90	4			5,002	

MAX	318
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CBOD 20 LBS----	23,630
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - JANUARY 2015

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
Th	01/01/2015	142	7.0		5.8		0.07		32
F	01/02/2015	142	7.0		5.3		0.10		187
S	01/03/2015	251	7.0		5.8		0.10		201
Su	01/04/2015	213	6.9		7.1		0.07		65
M	01/05/2015	156	7.1		5.2		0.15		8
T	01/06/2015	154	7.0		6.4		0.11		7
W	01/07/2015	153	7.1		6.7		0.13		5
Th	01/08/2015	154	7.0		6.7		0.15		7
F	01/09/2015	153	7.1		7.7		0.10		4
S	01/10/2015	151	7.0		6.1		0.09		5
Su	01/11/2015	157	6.9		7.1		0.06		8
M	01/12/2015	250	7.0		6.1		0.07		12
T	01/13/2015	159	6.9		7.0		0.22		16
W	01/14/2015	158	7.0		6.7		0.12		8
Th	01/15/2015	156	7.0		6.4		0.11		1
F	01/16/2015	156	7.0		6.3		0.13		6
S	01/17/2015	156	7.0		6.3		0.15		11
Su	01/18/2015	318	7.0		4.8		0.05		5
M	01/19/2015	185	7.0		7.1		0.34		20
T	01/20/2015	171	7.0		5.6		0.05		5
W	01/21/2015	168	7.0		6.6		0.25		3
Th	01/22/2015	167	7.0		6.7		0.25		5
F	01/23/2015	190	7.0		5.4		0.23		4
S	01/24/2015	266	7.0		6.6		0.33		10
Su	01/25/2015	179	7.0		7.6		0.23		7
M	01/26/2015	176	6.9		6.6		0.15		3
T	01/27/2015	171	7.0		7.4		0.11		3
W	01/28/2015	163	7.0		5.4		0.17		1
Th	01/29/2015	168	7.0		6.4		0.20		2
F	01/30/2015	163	7.1		6.6		0.15		3
S	01/31/2015	160	7.0		6.4		0.19		2
Total Avg		5,505 178	MIN 6.9	MAX 7.1	MIN 6.4 4.8		MAX 0.15 0.34		MEAN 7

Wk1	162
Wk2	170
Wk3	209
Wk4	168

MAX	318
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NPDES/ LIMIT	EFFLUENT MIN	MAX
	6.0	9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - JANUARY 2015

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
01/01/2015	20	107	248	200	207	168	103	112
01/02/2015	20	108	188	136	143	162	113	120
01/03/2015	26	200	204	176	179	150	70	78
01/04/2015	29	163	180	128	135	101	73	77
01/05/2015	23	117	228	184	190	132	80	88
01/06/2015	22	117	164	188	185	122	85	90
01/07/2015	21	117	172	184	182	180	120	128
01/08/2015	21	117	188	276	264	153	87	96
01/09/2015	21	118	164	132	136	153	98	106
01/10/2015	21	117	172	160	162	170	108	117
01/11/2015	21	121	208	184	187	167	88	99
01/12/2015	29	197	244	188	194	153	81	89
01/13/2015	22	120	200	180	183	150	94	102
01/14/2015	22	121	176	188	186	126	104	107
01/15/2015	22	118	180	172	173	156	92	101
01/16/2015	21	119	168	120	126	138	73	82
01/17/2015	21	119	176	172	173	168	103	112
01/18/2015	51	225	212	152	162	132	90	97
01/19/2015	29	138	176	176	176	156	77	89
01/20/2015	25	131	200	180	183	132	90	96
01/21/2015	24	128	140	140	140	198	111	123
01/22/2015	23	129	216	180	185	161	105	113
01/23/2015	25	146	172	180	179	132	99	103
01/24/2015	36	204	172	112	120	103	60	66
01/25/2015	27	134	180	184	183	123	60	70
01/26/2015	25	133	176	180	179	109	83	87
01/27/2015	25	130	176	204	200	135	81	89
01/28/2015	23	126	164	188	185	156	104	111
01/29/2015	24	128	216	180	185	150	75	86
01/30/2015	22	125	140	104	109	141	76	85
01/31/2015	23	123	164	104	113	129	101	105
AVG	25	135	186	169	171	145	90	97

PERMIT

SWWPCP - JANUARY 2015

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
01/01/2015		189			
01/02/2015		181			
01/03/2015		161			
01/04/2015		147			
01/05/2015	87	150	96	13	86%
01/06/2015		162			
01/07/2015	128	203	138	10	93%
01/08/2015		163			
01/09/2015		173			
01/10/2015		188			
01/11/2015		180			
01/12/2015	91	162	99	16	84%
01/13/2015		163			
01/14/2015	127	162	132	16	88%
01/15/2015		167			
01/16/2015		144			
01/17/2015		203			
01/18/2015		156			
01/19/2015	86	170	99	12	88%
01/20/2015		173			
01/21/2015	147	209	156	10	94%
01/22/2015		183			
01/23/2015		138			
01/24/2015		112			
01/25/2015		135			
01/26/2015	101	151	108	6	94%
01/27/2015		144			
01/28/2015	122	176	130	10	92%
01/29/2015		161			
01/30/2015		155			
01/31/2015		179			
AVG	111	166	120	12	90%

DESIGN - 200 MGD

DATE	SWWPCP - JANUARY 2015					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
01/01/2015	20	107	15	142	171	
01/02/2015	20	108	14	142	167	
01/03/2015	26	200	25	251	399	0.72
01/04/2015	29	163	21	213	324	0.37
01/05/2015	23	117	16	156	173	
01/06/2015	22	117	15	154	177	0.12
01/07/2015	21	117	15	153	176	T
01/08/2015	21	117	16	154	173	
01/09/2015	21	118	14	153	167	0.01
01/10/2015	21	117	13	151	177	
01/11/2015	21	121	15	157	184	
01/12/2015	29	197	24	250	414	0.59
01/13/2015	22	120	17	159	178	
01/14/2015	22	121	15	158	178	
01/15/2015	22	118	16	156	178	
01/16/2015	21	119	16	156	181	
01/17/2015	21	119	16	156	186	
01/18/2015	51	225	42	318	503	1.84
01/19/2015	29	138	18	185	220	
01/20/2015	25	131	15	171	187	
01/21/2015	24	128	16	168	185	0.06
01/22/2015	23	129	15	167	192	0.03
01/23/2015	25	146	19	190	332	0.16
01/24/2015	36	204	26	266	200	0.55
01/25/2015	27	134	18	179	200	T
01/26/2015	25	133	18	176	188	T
01/27/2015	25	130	16	171	221	0.07
01/28/2015	23	126	14	163	183	
01/29/2015	24	128	16	168	201	T
01/30/2015	22	125	16	163	190	T
01/31/2015	23	123	14	160	186	
TOTAL	764	4,196	545	5,505		4.52
AVG	25	135	18	178		
		MIN		142	167	
		MAX		318	503	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JANUARY 2015

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
01/07/2015	0.618	0.951	23.40	24.10	0.245
01/14/2015	0.614	1.535	20.90	22.90	0.260
01/21/2015	0.528	1.412	24.60	18.10	0.231
01/28/2015	0.487	1.151	27.70	24.80	0.470
AVG	0.562	1.262	24.15	22.48	0.302
MAX	0.618	1.535	27.70	24.80	0.470

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Phenolics
01/09/2015	< 0.010	0.040

**Metals Data
(mg/L)**

Southwest WPCP - Outfall

Date	01/07/15
Copper	0.0090
Iron	0.1820
Iron Dissolved	0.0640
Lead	< 0.0030
Nickel	0.0040
Selenium	< 0.0030
Zinc	0.0440

Organics Data (mg/L)

Southwest WPCP - Outfall

	01/05/15
1,2-Dichloroethane	< 0.0050
Chloroform	< 0.0050
Tetrachloroethylene	< 0.0050
Trichloroethylene	< 0.0050

File Name: 201412SL
 Print Date: 03/19/2015

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP		
Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP		Sludge Processed by Biosolids Recycle Center / Synagro From NEWPCP		Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP		Sludge Processed by Biosolids Recycle Center / Synagro From SWWPCP
DECEMBER 2014	MGD	MGD	DT	MGD	MGD	DT
01/01/2015	0.964	0.959	91	0.340	0.217	19.3
01/02/2015	0.922	0.610	44	0.475	0.635	50.3
01/03/2015	0.927	1.252	94	1.193	1.138	102.1
01/04/2015	0.938	0.933	67	1.665	1.696	126.8
01/05/2015	0.935	0.927	66	1.073	1.392	124.4
01/06/2015	0.923	0.757	56	1.072	0.626	57.2
01/07/2015	0.896	0.746	52	0.888	0.856	66.7
01/08/2015	0.953	1.259	99	0.418	0.801	80.3
01/09/2015	0.946	0.470	40	0.909	0.791	67.6
01/10/2015	0.000	0.485	39	0.234	0.394	35.9
01/11/2015	0.942	0.859	70	0.771	0.579	51.0
01/12/2015	0.947	1.029	91	0.891	1.118	129.7
01/13/2015	0.939	0.939	74	1.572	1.049	110.2
01/14/2015	0.918	0.922	76	0.610	0.951	86.8
01/15/2015	0.844	0.565	47	1.726	1.430	107.6
01/16/2015	0.935	1.210	91	1.124	0.905	81.2
01/17/2015	0.945	0.908	67	1.119	1.692	131.3
01/18/2015	0.843	0.742	53	2.231	1.907	151.8
01/19/2015	0.955	0.805	76	0.975	0.634	66.7
01/20/2015	0.938	0.902	75	0.000	0.373	49.2
01/21/2015	0.932	1.265	112	1.212	1.111	96.3
01/22/2015	0.000	0.000		1.566	1.554	135.6
01/23/2015	0.906	0.906	74	0.750	0.985	75.8
01/24/2015	0.944	0.944	78	1.471	1.518	117.6
01/25/2015	0.940	0.939	73	1.681	1.568	151.0
01/26/2015	0.903	0.786	64	1.534	1.511	145.3
01/27/2015	0.930	1.045	88	1.095	1.373	96.5
01/28/2015	0.885	0.556	42	0.455	0.350	29.5
01/29/2015	0.908	1.226	122	0.959	0.473	41.9
01/30/2015	0.928	0.804	77	1.353	1.635	125.6
01/31/2015	0.946	0.539	39	0.753	0.390	34.9
TOTAL	26.831	26.290	2,136	32.113	31.651	2,746
AVERAGE	0.866	0.848	71	1.036	1.021	89

**E2 Receipt**

Here is your report submission receipt. [Click here to print.](#)

Submission ID: 94274

Submitted on 3/26/2015 9:50:09 AM, at 170.115.248.22

Submitted by:

Mary Ellen Senss
PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
8200 Enterprise Avenue
PHILADELPHIA, PA 19153
215-685-4015
maryellen.senss@phila.gov

Report Detail

Facility Name	Monthly Discharge Monitoring Report PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
Permit Number	PA0026671
Report Frequency	Monthly
Report Period	02/01/2015 - 02/28/2015

Attachment Detail**Online Attachments**

•	E-NPDES SW201502.xls
•	BLSSW201502.xls
•	201502SL.xls
•	SWCSO 201502.xls

Mail Attachments

Mail to Address:

Mail in the following attachment(s):

Thank you for using E2 system!

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for February 2015

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

PERMIT

SWWPCP - FEBRUARY 2015

COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
Su	02/01/2015	178	194	6	97	8,907		100	6	94		8,907		
M	02/02/2015	287	177	11	94	26,329		69	6	91		14,361		19
T	02/03/2015	168	166	5	97	7,006		95	5	95		7,006		
W	02/04/2015	166	180	4	98	5,538		86	5	94		6,922		15
Th	02/05/2015	163	172	4	98	5,438		75	4	95		5,438		
F	02/06/2015	162	148	2	99	2,702		99	4	96		5,404		
S	02/07/2015	163	144	4	97	5,438		92	3	97		4,078		
Su	02/08/2015	165	209	4	98	5,504		96	4	96		5,504		
M	02/09/2015	165	288	5	98	6,881		182	5	97		6,881		18
T	02/10/2015	162	186	4	98	5,404		143	4	97		5,404		
W	02/11/2015	163	166	4	98	5,438		118	4	97		5,438		15
Th	02/12/2015	161	180	4	98	5,371		82	2	98		2,685		
F	02/13/2015	156	118	4	97	5,204		87	3	97		3,903		
S	02/14/2015	158	141	4	97	5,271		113	5	96		6,589		
Su	02/15/2015	154	87	3	97	3,853		105	4	96		5,137		
M	02/16/2015	161	178	4	98	5,371		101	6	94		8,056		18
T	02/17/2015	165	168	6	96	8,257		111	5	96		6,881		
W	02/18/2015	166	165	4	98	5,538		97	5	95		6,922		17
Th	02/19/2015	162	170	4	98	5,404		98	3	97		4,053		
F	02/20/2015	161	116	4	97	5,371		81	3	96		4,028		
S	02/21/2015	166	120	3	98	4,153		121	4	97		5,538		
Su	02/22/2015	263	170	14	92	30,708		84	11	87		24,128		
M	02/23/2015	171	185	5	97	7,131		83	5	94		7,131		13
T	02/24/2015	162	111	2	98	2,702		102	4	96		5,404		
W	02/25/2015	166	155	4	97	5,538		121	5	96		6,922		20
Th	02/26/2015	162	100	4	96	5,404		94	5	95		6,755		
F	02/27/2015	162	128	4	97	5,406		104	5	95		6,757		
S	02/28/2015	157	146	4	97	5,238		87	5	94		6,547		

TOTAL	4,795	4,468	130					2,826	130					
AVERAGE	171	160	5	97		7,161		101	5	95		6,885		17

Wk1	184	169	5			8,765		88	5			7,445		
Wk2	161	184	4			5,582		117	4			5,201		
Wk3	162	143	4			5,421		102	4			5,802		
Wk4	178	142	5			8,875		96	6			9,092		

MAX	287
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CBOD 20 LBS----	25,667
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,040 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - FEBRUARY 2015

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)	
Su	02/01/2015	178		7.0		7.8		0.11		4
M	02/02/2015	287		7.0		5.3		0.15	>	2,420
T	02/03/2015	168		7.1		8.3		0.28		1
W	02/04/2015	166		7.0		6.6		0.23		26
Th	02/05/2015	163		7.1		6.5		0.09		5
F	02/06/2015	162		7.1		7.0		0.17		6
S	02/07/2015	163		7.0		6.2		0.14		3
Su	02/08/2015	165		6.9		5.9		0.14		4
M	02/09/2015	165		6.9		4.9		0.05		8
T	02/10/2015	162		6.9		7.1		0.11		2
W	02/11/2015	163		7.0		7.4		0.10		4
Th	02/12/2015	161		7.0		7.5		0.10		1
F	02/13/2015	156		7.0		8.4		0.17	<	1
S	02/14/2015	158		7.0		7.1		0.10		1
Su	02/15/2015	154		7.0		6.7		0.06		17
M	02/16/2015	161		7.0		7.4		0.15		4
T	02/17/2015	165		7.0		6.0		0.14		3
W	02/18/2015	166		7.1		6.1		0.12		9
Th	02/19/2015	162		7.0		6.7		0.14		15
F	02/20/2015	161		7.0		7.4		0.12		4
S	02/21/2015	166		7.1		7.8		0.10		5
Su	02/22/2015	263		7.0		6.7		0.11		6
M	02/23/2015	171		7.0		6.8		0.16		8
T	02/24/2015	162		7.0		6.8		0.16		6
W	02/25/2015	166		6.9		8.7		0.11		13
Th	02/26/2015	162		7.0		6.9		0.07		1
F	02/27/2015	162		7.1		7.0		0.12		3
S	02/28/2015	157		7.1		6.8		0.15		2
Total Avg		4,795 171	MIN 6.9	MAX 7.1	AVG 6.9		MIN 4.9	AVG 0.13	MAX 0.28	MEAN 5

Wk1 184
Wk2 161
Wk3 162
Wk4 178

MAX	287
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NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - FEBRUARY 2015

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
02/01/2015	23	141	180	196	194	132	95	100
02/02/2015	40	219	184	176	177	76	68	69
02/03/2015	25	131	176	164	166	129	89	95
02/04/2015	24	131	180	180	180	117	81	86
02/05/2015	24	126	192	168	172	130	65	75
02/06/2015	22	128	176	144	148	138	93	99
02/07/2015	23	128	168	140	144	119	87	92
02/08/2015	23	130	188	212	209	129	91	96
02/09/2015	22	130	184	304	288	153	186	182
02/10/2015	22	128	176	188	186	129	145	143
02/11/2015	22	130	180	164	166	135	115	118
02/12/2015	22	127	204	176	180	132	74	82
02/13/2015	21	123	132	116	118	133	80	87
02/14/2015	22	123	148	140	141	152	107	113
02/15/2015	22	121	132	80	87	156	96	105
02/16/2015	22	128	188	176	178	123	98	101
02/17/2015	22	131	196	164	168	132	108	111
02/18/2015	22	134	172	164	165	153	88	97
02/19/2015	22	128	180	168	170	138	92	98
02/20/2015	21	128	144	112	116	138	73	81
02/21/2015	21	133	148	116	120	141	118	121
02/22/2015	30	211	216	164	170	147	76	84
02/23/2015	23	137	164	188	185	128	76	83
02/24/2015	22	129	128	108	111	128	98	102
02/25/2015	22	133	124	160	155	165	114	121
02/26/2015	21	130	128	96	100	139	87	94
02/27/2015	21	129	152	124	128	153	97	104
02/28/2015	21	124	188	140	146	141	79	87
AVG	23	135	169	158	160	135	96	101

PERMIT

SWWPCP - FEBRUARY 2015

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
02/01/2015		155			
02/02/2015	73	113	79	15	81%
02/03/2015		151			
02/04/2015	94	138	100	8	92%
02/05/2015		144			
02/06/2015		153			
02/07/2015		158			
02/08/2015		156			
02/09/2015	234	164	225	7	97%
02/10/2015		141			
02/11/2015	135	192	143	7	95%
02/12/2015		175			
02/13/2015		159			
02/14/2015		184			
02/15/2015		200			
02/16/2015	136	197	144	9	94%
02/17/2015		149			
02/18/2015	113	183	122	7	94%
02/19/2015		174			
02/20/2015		159			
02/21/2015		178			
02/22/2015		163			
02/23/2015	96	166	105	9	91%
02/24/2015		278			
02/25/2015	156	192	161	13	92%
02/26/2015		155			
02/27/2015		167			
02/28/2015		162			
AVG	130	168	135	9	92%

DESIGN - 200 MGD

SWWPCP - FEBRUARY 2015						
DATE	TRIPLE				PEAK	RAIN
	Delcora	GRAVITY/HLL	LLE	SW TOTAL	FLOW	
02/01/2015	23	141	14	178	408	0.06
02/02/2015	40	219	28	287	465	0.93
02/03/2015	25	131	12	168	188	
02/04/2015	24	131	11	166	189	
02/05/2015	24	126	13	163	195	T
02/06/2015	22	128	12	162	187	
02/07/2015	23	128	12	163	192	
02/08/2015	23	130	12	165	191	
02/09/2015	22	130	13	165	193	0.03
02/10/2015	22	128	12	162	190	
02/11/2015	22	130	11	163	189	
02/12/2015	22	127	12	161	201	
02/13/2015	21	123	12	156	183	
02/14/2015	22	123	13	158	190	0.04
02/15/2015	22	121	11	154	195	T
02/16/2015	22	128	11	161	190	0.02
02/17/2015	22	131	12	165	205	0.24
02/18/2015	22	134	10	166	229	T
02/19/2015	22	128	12	162	196	
02/20/2015	21	128	12	161	188	
02/21/2015	21	133	12	166	233	0.76
02/22/2015	30	211	22	263	450	0.28
02/23/2015	23	137	11	171	188	T
02/24/2015	22	129	11	162	185	
02/25/2015	22	133	11	166	188	
02/26/2015	21	130	11	162	201	T
02/27/2015	21	129	12	162	185	T
02/28/2015	21	124	12	157	188	
TOTAL	647	3,791	357	4,795		2.36
AVG	23	135	13	171		
		MIN		154	183	
		MAX		287	465	

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-02-01 To: 2015-02-28 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Dissolved Oxygen	Sample Measurement	*****	*****		4.9	6.9	*****	mg/L	0	1/day	Grab
Parameter Code: 00300 Stage Code: 1	Permit Requirement	*****	*****		Report Instantaneous Minimum	Report Average Monthly	*****			1/day	Grab
pH	Sample Measurement	*****	*****		6.9	*****	7.1	S.U.	0	1/day	Grab
Parameter Code: 00400 Stage Code: 1	Permit Requirement	*****	*****		6.0 Instantaneous Minimum	*****	9.0 Instantaneous Maximum			1/day	Grab
Total Suspended Solids	Sample Measurement	7161	8875		*****	5	5	mg/L	0	1/day	24-Hr Composite
Parameter Code: 00530 Stage Code: 1	Permit Requirement	50400 Average Monthly	75060 Weekly Average	lbs/day	*****	30 Average Monthly	45 Weekly Average			1/day	24-Hr Composite
Ammonia-Nitrogen	Sample Measurement	*****	*****		*****	22.65	26.40	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00610 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Nitrite as N	Sample Measurement	*****	*****		*****	.547	.606	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00615 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Nitrate as N	Sample Measurement	*****	*****		*****	.906	1.288	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00620 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Total Kjeldahl Nitrogen	Sample Measurement	*****	*****		*****	23.78	26.20	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00625 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-03-26		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 1

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-02-01 To: 2015-02-28 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Total Phosphorus	Sample Measurement	*****	*****		*****	.493	.669	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00665 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Total Copper	Sample Measurement	*****	*****		*****	.0100	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 01042 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Dissolved Iron	Sample Measurement	*****	*****		*****	.2020	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 01046 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Total Lead	Sample Measurement	*****	*****		*****	<.0030	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 01051 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Total Nickel	Sample Measurement	*****	*****		*****	.0040	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 01067 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Total Zinc	Sample Measurement	*****	*****		*****	.0420	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 01092 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Total Selenium	Sample Measurement	*****	*****		*****	<.0030	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 01147 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-03-26		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 2

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-02-01 To: 2015-02-28 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
1,2-Dichloroethane	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 32103 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Chloroform	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 32106 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Total Phenolics	Sample Measurement	*****	*****		*****	<.040	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 32730 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Tetrachloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 34475 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Trichloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 39180 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Flow (mgd)	Sample Measurement	171	287	MGD	*****	*****	*****		0	Continuous	Metered
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	Report Daily Maximum		*****	*****	*****			Continuous	Metered
Total Residual Chlorine (TRC)	Sample Measurement	*****	*****		*****	.13	.28	mg/L	0	1/day	Grab
Parameter Code: 50060 Stage Code: 1	Permit Requirement	*****	*****		*****	0.5 Average Monthly	1.0 Instantaneous Maximum			1/day	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-03-26		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 3

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-02-01 To: 2015-02-28 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Free Available Cyanide	Sample Measurement	*****	*****		*****	<.010	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 51173	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Stage Code: 1											
Fecal Coliform	Sample Measurement	*****	*****		*****	5	*****	CFU/100 mL	0	1/day	Grab
Parameter Code: 74055	Permit Requirement	*****	*****		*****	200 Geometric Mean	*****			1/day	Grab
Stage Code: 1											
CBOD5	Sample Measurement	6885	9092		*****	5	6	mg/L	0	1/day	24-Hr Composite
Parameter Code: 80082	Permit Requirement	19800 Average Monthly	29700 Weekly Average	lbs/day	*****	25 Average Monthly	40 Weekly Average			1/day	24-Hr Composite
Stage Code: 1											
CBOD20	Sample Measurement	25667	*****		*****	*****	*****		0	2/week	24-Hr Composite
Parameter Code: 80087	Permit Requirement	35830 Average Monthly	*****	lbs/day	*****	*****	*****			2/week	24-Hr Composite
Stage Code: 1											
CBOD5 % Removal	Sample Measurement	*****	*****		95	*****	*****	%	0	1/day	24-Hr Composite
Parameter Code: 80091	Permit Requirement	*****	*****		89.25 Minimum Monthly % Removal	*****	*****			1/day	24-Hr Composite
Stage Code: K											
TSS % Removal	Sample Measurement	*****	*****		97	*****	*****	%	0	1/day	24-Hr Composite
Parameter Code: 81011	Permit Requirement	*****	*****		85 Minimum Monthly % Removal	*****	*****			1/day	24-Hr Composite
Stage Code: K											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
										2015-03-26	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 4

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT
PERMITTEE: PHILADELPHIA WATER DEPT
ADDRESS: 1101 MARKET ST
 PHILADELPHIA, PA 19107-2994

PERMIT NUMBER: PA0026671
OUTFALL: 101
MONITORING PERIOD: From: 2015-02-01 To: 2015-02-28

REGION: EP SE Rgnl Off
COUNTY: Philadelphia
CITY: PHILADELPHIA
NO DISCHARGE FROM SITE: (X)

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
pH	Sample Measurement	*****	*****		*****	*****	*****	S.U.			
Parameter Code: 00400 Stage Code: 1	Permit Requirement	*****	*****		Report Instantaneous Minimum	*****	Report Instantaneous Maximum			Daily when Discharging	Grab
Flow (mgd)	Sample Measurement	*****	*****	MGD	*****	*****	*****				
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	*****		*****	*****	*****			1/discharge	Estimate
Fecal Coliform	Sample Measurement	*****	*****		*****	*****	*****	CFU/100 mL			
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	*****	Report Instantaneous Maximum			Daily when Discharging	Grab
Duration of Discharge	Sample Measurement	*****	*****	minutes	*****	*****	*****				
Parameter Code: 81381 Stage Code: 1	Permit Requirement	Report Average Monthly	*****		*****	*****	*****			1/discharge	Estimate
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-03-26		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 5

GENERAL REPORT COMMENT:

All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities.

PARAMETER SPECIFIC COMMENTS:

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF FEBRUARY 2015

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
02/04/2015	0.564	1.276	26.40	23.50	0.376
02/11/2015	0.485	0.509	22.10	26.20	0.618
02/18/2015	0.534	0.552	23.20	24.60	0.669
02/25/2015	0.606	1.288	18.90	20.80	0.310
 AVG	0.547	0.906	22.65	23.78	0.493
MAX	0.606	1.288	26.40	26.20	0.669

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
02/04/2015		0.021	
02/05/2015	< 0.010		< 0.040

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	02/11/2015
Copper	0.0100
Iron	0.2270
Iron Dissolved	0.2020
Lead	< 0.0030
Nickel	0.0040
Selenium	< 0.0030
Zinc	0.0420

Organics Data (mg/L)

Southwest WPCP - Outfall

	02/02/2015
1,2-Dichloroethane	< 0.0050
Chloroform	< 0.0050
Tetrachloroethylene	< 0.0050
Trichloroethylene	< 0.0050

File Name: 201502SL
 Print Date: 03/23/2015

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP			
Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP		Sludge Processed by MGD		Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP		Sludge Processed by MGD	
FEBRUARY 2015	MGD	MGD	DT	MGD	MGD	DT	
02/01/2015	0.939	0.943	72	0.175	0.038	3.9	
02/02/2015	0.904	0.904	69	2.127	1.907	193.2	
02/03/2015	0.963	0.978	77	0.916	1.263	96.5	
02/04/2015	0.914	0.644	51	0.329	0.380	31.7	
02/05/2015	0.924	1.061	86	1.681	1.590	154.9	
02/06/2015	0.935	1.049	87	1.140	1.815	150.1	
02/07/2015	0.934	0.943	78	0.907	0.722	62.7	
02/08/2015	0.930	0.925	74	1.103	1.322	115.8	
02/09/2015	0.926	0.918	71	1.242	1.266	101.0	
02/10/2015	0.922	0.930	67	1.136	0.998	78.1	
02/11/2015	0.952	0.879	75	1.016	0.824	63.4	
02/12/2015	0.926	0.985	74	1.001	1.011	80.7	
02/13/2015	0.940	0.945	71	1.028	1.134	86.2	
02/14/2015	0.936	0.944	70	0.920	1.277	110.9	
02/15/2015	0.917	0.743	60	1.159	0.914	79.6	
02/16/2015	0.939	0.793	69	1.038	0.921	79.6	
02/17/2015	0.915	1.230	100	1.118	0.800	64.7	
02/18/2015	0.923	0.516	42	1.159	0.794	60.1	
02/19/2015	0.915	1.309	94	0.649	0.986	69.7	
02/20/2015	0.914	0.946	65	1.297	1.843	120.2	
02/21/2015	0.937	0.923	70	1.149	1.223	84.3	
02/22/2015	0.917	0.647	46	1.039	0.665	107.5	
02/23/2015	0.948	1.159	95	1.030	0.766	55.6	
02/24/2015	0.925	0.993	82	0.447	0.465	41.9	
02/25/2015	0.895	0.108	7	2.203	2.235	180.3	
02/26/2015	0.919	1.702	132	0.240	0.436	37.8	
02/27/2015	0.913	0.675	47	1.628	1.413	123.6	
02/28/2015	0.914	1.161	87	1.122	1.400	97.8	
TOTAL	25.936	25.953	2,015	29.996	30.406	2,532	
AVERAGE	0.926	0.927	72	1.071	1.086	90	

**E2 Receipt**

Here is your report submission receipt. [Click here to print.](#)

Submission ID: 96482

Submitted on 4/27/2015 2:58:06 PM, at 170.115.248.21

Submitted by:

Mary Ellen Senss
PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
8200 Enterprise Avenue
PHILADELPHIA, PA 19153
215-685-4015
maryellen.senss@phila.gov

Report Detail

	Monthly Discharge Monitoring Report
Facility Name	PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
Permit Number	PA0026671
Report Frequency	Monthly
Report Period	03/01/2015 - 03/31/2015

Attachment Detail**Online Attachments**

.	E-NPDES SW201503.xls
.	BLSSW201503.xls
.	SWCSO 201503.xls
.	201503SL.xls
.	SW WW NPDES Weekly (04-20-2015).pdf

Mail Attachments

Mail to Address:

Mail in the following attachment(s):

Thank you for using E2 system!

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for March 2015

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT
PERMITTEE: PHILADELPHIA WATER DEPT
ADDRESS: 1101 MARKET ST
 PHILADELPHIA, PA 19107-2994

PERMIT NUMBER: PA0026671
OUTFALL: 001
MONITORING PERIOD: From: 2015-03-01 To: 2015-03-31

REGION: EP SE Rgnl Off
COUNTY: Philadelphia
CITY: PHILADELPHIA
NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Dissolved Oxygen	Sample Measurement	****	****		4.9	6.8	****		0	1/day	Grab
Parameter Code: 00300	Permit Requirement	****	****		Report Instantaneous Minimum	Report Average Monthly	****	mg/L		1/day	Grab
Stage Code: 1											
pH	Sample Measurement	****	****		6.9	****	7.2		0	1/day	Grab
Parameter Code: 00400	Permit Requirement	****	****		6.0 Instantaneous Minimum	****	9.0 Instantaneous Maximum	S.U.		1/day	Grab
Stage Code: 1											
Total Suspended Solids	Sample Measurement	12644	17260		****	7	8		0	1/day	24-Hr Composite
Parameter Code: 00530	Permit Requirement	50400 Average Monthly	75060 Weekly Average	lbs/day	****	30 Average Monthly	45 Weekly Average	mg/L		1/day	24-Hr Composite
Stage Code: 1											
Ammonia-Nitrogen	Sample Measurement	****	****		****	17.12	20.30		0	1/week	24-Hr Composite
Parameter Code: 00610	Permit Requirement	****	****		****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Nitrite as N	Sample Measurement	****	****		****	.461	.530		0	1/week	24-Hr Composite
Parameter Code: 00615	Permit Requirement	****	****		****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Nitrate as N	Sample Measurement	****	****		****	.769	1.289		0	1/week	24-Hr Composite
Parameter Code: 00620	Permit Requirement	****	****		****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Total Kjeldahl Nitrogen	Sample Measurement	****	****		****	18.00	22.00		0	1/week	24-Hr Composite
Parameter Code: 00625	Permit Requirement	****	****		****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
											2015-04-27

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 1

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-03-01 To: 2015-03-31 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Total Phosphorus	Sample Measurement	*****	*****		*****	.441	.570		0	1/week	24-Hr Composite
Parameter Code: 00665	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Total Copper	Sample Measurement	*****	*****		*****	.0127	*****		0	3/month	24-Hr Composite
Parameter Code: 01042	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Dissolved Iron	Sample Measurement	*****	*****		*****	.0827	*****		0	3/month	24-Hr Composite
Parameter Code: 01046	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Lead	Sample Measurement	*****	*****		*****	<.0030	*****		0	3/month	24-Hr Composite
Parameter Code: 01051	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Nickel	Sample Measurement	*****	*****		*****	.0043	*****		0	3/month	24-Hr Composite
Parameter Code: 01067	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Zinc	Sample Measurement	*****	*****		*****	<.0510	*****		0	3/month	24-Hr Composite
Parameter Code: 01092	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Selenium	Sample Measurement	*****	*****		*****	<.0030	*****		0	3/month	24-Hr Composite
Parameter Code: 01147	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No		Date
											2015-04-27

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 2

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-03-01 To: 2015-03-31 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
1,2-Dichloroethane	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	5/month	Grab
Parameter Code: 32103 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Chloroform	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	5/month	Grab
Parameter Code: 32106 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Total Phenolics	Sample Measurement	*****	*****		*****	<.040	*****	mg/L	0	3/month	24-Hr Composite
Parameter Code: 32730 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Tetrachloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	5/month	Grab
Parameter Code: 34475 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Trichloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	5/month	Grab
Parameter Code: 39180 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Flow (mgd)	Sample Measurement	212	342	MGD	*****	*****	*****		0	Continuous	Metered
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	Report Daily Maximum		*****	*****	*****			Continuous	Metered
Total Residual Chlorine (TRC)	Sample Measurement	*****	*****		*****	.15	.37	mg/L	0	1/day	Grab
Parameter Code: 50060 Stage Code: 1	Permit Requirement	*****	*****		*****	0.5 Average Monthly	1.0 Instantaneous Maximum			1/day	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No		Date
											2015-04-27

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 3

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-03-01 To: 2015-03-31 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Free Available Cyanide	Sample Measurement	*****	*****		*****	<.010	*****	mg/L	0	3/month	24-Hr Composite
Parameter Code: 51173 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Fecal Coliform	Sample Measurement	*****	*****		*****	14	*****	CFU/100 mL	0	1/day	Grab
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	200 Geometric Mean	*****			1/day	Grab
CBOD5	Sample Measurement	9222	11912		*****	5	6	mg/L	0	1/day	24-Hr Composite
Parameter Code: 80082 Stage Code: 1	Permit Requirement	19800 Average Monthly	29700 Weekly Average	lbs/day	*****	25 Average Monthly	40 Weekly Average			1/day	24-Hr Composite
CBOD20	Sample Measurement	30662	*****		*****	*****	*****		0	2/week	24-Hr Composite
Parameter Code: 80087 Stage Code: 1	Permit Requirement	35830 Average Monthly	*****	lbs/day	*****	*****	*****			2/week	24-Hr Composite
CBOD5 % Removal	Sample Measurement	*****	*****		94	*****	*****	%	0	1/day	24-Hr Composite
Parameter Code: 80091 Stage Code: K	Permit Requirement	*****	*****		89.25 Minimum Monthly % Removal	*****	*****			1/day	24-Hr Composite
TSS % Removal	Sample Measurement	*****	*****		95	*****	*****	%	0	1/day	24-Hr Composite
Parameter Code: 81011 Stage Code: K	Permit Requirement	*****	*****		85 Minimum Monthly % Removal	*****	*****			1/day	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-04-27		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 4

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 101 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-03-01 To: 2015-03-31 **NO DISCHARGE FROM SITE:** (X)

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
pH	Sample Measurement	*****	*****		*****	*****	*****	S.U.			
Parameter Code: 00400 Stage Code: 1	Permit Requirement	*****	*****		Report Instantaneous Minimum	*****	Report Instantaneous Maximum			Daily when Discharging	Grab
Flow (mgd)	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	*****	MGD	*****	*****	*****			1/discharge	Estimate
Fecal Coliform	Sample Measurement	*****	*****		*****	*****	*****	CFU/100 mL			
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	*****	Report Instantaneous Maximum			Daily when Discharging	Grab
Duration of Discharge	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 81381 Stage Code: 1	Permit Requirement	Report Average Monthly	*****	minutes	*****	*****	*****			1/discharge	Estimate
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-04-27		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 5

GENERAL REPORT COMMENT:

All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifiers. A flow in excess of 300 MGD qualified for permit relief on the 4th and 14th of the month and was used in compliance reporting.

PARAMETER SPECIFIC COMMENTS:

345780	Nitrite as N	Concentration Avg:	Please see attached data qualifier report.
345780	Nitrate as N	Concentration Max:	Please see attached data qualifier report.
345780	1,2-Dichloroethane	Sample Frequency:	6/month
345780	Chloroform	Sample Frequency:	6/month
345780	Tetrachloroethylene	Sample Frequency:	6/month
345780	Trichloroethylene	Sample Frequency:	6/month

PERMIT

SWWPCP - MARCH 2015

COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
Su	03/01/2015	195	135	6	96	9,758		78	5	94		8,132		
M	03/02/2015	209	152	7	95	12,201		81	7	91		12,201		24
T	03/03/2015	241	185	9	95	18,089		78	7	91		14,070		
W	03/04/2015	342	184	13	93	37,080		52	9	89	83	19,800	25,671	21
Th	03/05/2015	238	89	6	93	11,910		68	3	96		5,955		
F	03/06/2015	193	112	5	96	8,048		81	5	94		8,048		
S	03/07/2015	179	137	5	96	7,464		76	5	93		7,464		
Su	03/08/2015	225	146	6	96	11,259		86	5	94		9,383		
M	03/09/2015	207	148	6	96	10,358		69	4	94		6,906		13
T	03/10/2015	300	167	12	93	30,024		68	7	90		17,514		
W	03/11/2015	233	86	5	94	9,716		67	7	90		13,603		14
Th	03/12/2015	187	126	4	97	6,238		76	5	93		7,798		
F	03/13/2015	201	149	8	95	13,411		87	5	94		8,382		
S	03/14/2015	341	89	14	85	39,815	84	60	8	89	87	19,800	22,752	
Su	03/15/2015	200	79	5	94	8,340		84	5	94		8,340		
M	03/16/2015	193	123	12	90	19,315		96	5	95		8,048		16
T	03/17/2015	182	125	7	94	10,625		90	6	93		9,107		
W	03/18/2015	174	122	4	97	5,805		87	5	94		7,256		15
Th	03/19/2015	177	136	5	96	7,381		145	4	97		5,905		
F	03/20/2015	228	126	5	96	9,508		83	6	93		11,409		
S	03/21/2015	248	104	7	93	14,478		69	5	93		10,342		
Su	03/22/2015	183	103	7	93	10,684		96	5	95		7,631		
M	03/23/2015	178	137	4	97	5,938		79	6	92		8,907		16
T	03/24/2015	173	123	6	95	8,657		90	4	96		5,771		
W	03/25/2015	181	138	4	97	6,038		127	5	96		7,548		15
Th	03/26/2015	225	278	11	96	20,642		91	6	93		11,259		
F	03/27/2015	223	116	6	95	11,159		64	4	94		7,439		
S	03/28/2015	180	79	3	96	4,504		80	3	96		4,504		
Su	03/29/2015	172	162	9	94	12,910		95	3	97		4,303		
M	03/30/2015	176	260	3	99	4,404		78	3	96		4,404		
T	03/31/2015	186	159	4	97	6,205		102	3	97		4,654		

TOTAL	6,570	4,274	208					2,583	160					
AVERAGE	212	138	7	95		12,644		83	5	94		9,222		17

Wk1	228	142	7			14,936		73	6			10,810		
Wk2	242	130	8			17,260		73	6			11,912		
Wk3	200	117	6			10,779		93	5			8,630		
Wk4	192	139	6			9,660		90	5			7,580		

MAX	342
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CBOD 20 LBS----	30,662
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,040 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - MARCH 2015

GRAB SAMPLES

Date	FLOW (MGD)	pH EFF	DISSOLVED OXYGEN (mg/l)	CHLORINE RESIDUAL (mg/l)	FECAL COLIFORM (MPN / 100mL)
Su 03/01/2015	195	7.1	6.5	0.14	2
M 03/02/2015	209	7.0	6.6	0.13	44
T 03/03/2015	241	7.0	7.5	0.16	9
W 03/04/2015	342	6.9	9.3	0.37	5
Th 03/05/2015	238	7.0	10.1	0.32	23
F 03/06/2015	193	7.0	7.5	0.21	8
S 03/07/2015	179	7.1	7.2	0.19	15
Su 03/08/2015	225	7.0	7.3	0.10	57
M 03/09/2015	207	7.0	6.0	0.10	52
T 03/10/2015	300	6.9	7.3	0.06	65
W 03/11/2015	233	6.9	8.9	0.31	225
Th 03/12/2015	187	7.0	7.6	0.23	36
F 03/13/2015	201	7.0	6.3	0.24	17
S 03/14/2015	341	7.0	7.8	0.30	5
Su 03/15/2015	200	7.0	5.7	0.27	5
M 03/16/2015	193	7.0	6.2	0.20	17
T 03/17/2015	182	7.0	5.8	0.17	7
W 03/18/2015	174	7.1	6.6	0.09	19
Th 03/19/2015	177	7.0	5.8	0.11	24
F 03/20/2015	228	7.2	5.9	0.08	60
S 03/21/2015	248	7.0	5.5	0.05	10
Su 03/22/2015	183	7.0	5.6	0.12	13
M 03/23/2015	178	7.0	5.0	0.05	70
T 03/24/2015	173	7.0	7.2	0.05	15
W 03/25/2015	181	7.0	7.4	0.05	6
Th 03/26/2015	225	7.0	4.9	0.05	7
F 03/27/2015	223	7.0	7.4	0.05	3
S 03/28/2015	180	7.0	6.4	0.09	5
Su 03/29/2015	172	7.0	6.8	0.10	4
M 03/30/2015	176	7.0	6.0	0.12	6
T 03/31/2015	186	7.0	6.7	0.11	10
Total	6,570	MIN MAX	AVG MIN	AVG MAX	MEAN
Avg	212	6.9 7.2	6.8 4.9	0.15 0.37	14

Wk1 228
Wk2 242
Wk3 200
Wk4 192

MAX	342
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NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT SWWPCP - MARCH 2015

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
03/01/2015	24	158	174	130	135	122	72	78
03/02/2015	27	167	180	148	152	90	80	81
03/03/2015	29	195	192	184	185	126	72	78
03/04/2015	48	265	132	192	184	78	48	52
03/05/2015	35	185	118	84	89	97	63	68
03/06/2015	27	152	136	108	112	115	75	81
03/07/2015	25	141	216	124	137	117	69	76
03/08/2015	32	176	132	148	146	138	77	86
03/09/2015	32	160	192	140	148	96	64	69
03/10/2015	50	224	122	176	167	77	66	68
03/11/2015	40	176	76	88	86	90	62	67
03/12/2015	29	145	136	124	126	94	73	76
03/13/2015	28	158	128	152	149	122	81	87
03/14/2015	57	251	112	84	89	81	56	60
03/15/2015	34	152	116	72	79	111	78	84
03/16/2015	29	148	164	116	123	144	88	96
03/17/2015	27	141	132	124	125	115	86	90
03/18/2015	26	136	204	108	122	126	80	87
03/19/2015	26	138	156	132	136	126	148	145
03/20/2015	29	182	140	124	126	120	78	83
03/21/2015	35	193	128	100	104	110	62	69
03/22/2015	29	141	160	92	103	120	91	96
03/23/2015	27	138	140	136	137	119	72	79
03/24/2015	25	136	164	116	123	106	87	90
03/25/2015	25	143	128	140	138	149	124	127
03/26/2015	28	180	236	284	278	121	87	91
03/27/2015	32	173	140	112	116	87	60	64
03/28/2015	27	138	120	72	79	132	71	80
03/29/2015	26	132	174	160	162	142	87	95
03/30/2015	25	137	184	272	260	113	72	78
03/31/2015	25	147	228	148	159	135	97	102
AVG	31	165	154	135	138	114	78	83

PERMIT

SWWPCP - MARCH 2015

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
03/01/2015		181			
03/02/2015	94	138	100	10	90%
03/03/2015		138			
03/04/2015	68	105	73	12	84%
03/05/2015		113			
03/06/2015		131			
03/07/2015		159			
03/08/2015		159			
03/09/2015	84	115	89	8	91%
03/10/2015		103			
03/11/2015	74	106	79	10	87%
03/12/2015		129			
03/13/2015		159			
03/14/2015		86			
03/15/2015		118			
03/16/2015	102	159	111	9	92%
03/17/2015		156			
03/18/2015	90	145	98	9	91%
03/19/2015		156			
03/20/2015		135			
03/21/2015		118			
03/22/2015		150			
03/23/2015	103	150	110	10	91%
03/24/2015		120			
03/25/2015	135	164	139	9	94%
03/26/2015		135			
03/27/2015		121			
03/28/2015		147			
03/29/2015		154			
03/30/2015		147			
03/31/2015		146			
AVG	94	137	100	10	90%

PERMIT

SWWPCP - MARCH 2015

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			
Su	03/01/2015	195	135	6	96	9,758		78	5	94		8,132		
M	03/02/2015	209	152	7	95	12,201		81	7	91		12,201		24
T	03/03/2015	241	185	9	95	18,089		78	7	91		14,070		
W	03/04/2015	342	184	13	93	37,080		52	9	89	83	19,800	25,671	21
Th	03/05/2015	238	89	6	93	11,910		68	3	96		5,955		
F	03/06/2015	193	112	5	96	8,048		81	5	94		8,048		
S	03/07/2015	179	137	5	96	7,464		76	5	93		7,464		
Su	03/08/2015	225	146	6	96	11,259		86	5	94		9,383		
M	03/09/2015	207	148	6	96	10,358		69	4	94		6,906		13
T	03/10/2015	300	167	12	93	30,024		68	7	90		17,514		
W	03/11/2015	233	86	5	94	9,716		67	7	90		13,603		14
Th	03/12/2015	187	126	4	97	6,238		76	5	93		7,798		
F	03/13/2015	201	149	8	95	13,411		87	5	94		8,382		
S	03/14/2015	341	89	14	85	39,815	84	60	8	89	87	19,800	22,752	
Su	03/15/2015	200	79	5	94	8,340		84	5	94		8,340		
M	03/16/2015	193	123	12	90	19,315		96	5	95		8,048		16
T	03/17/2015	182	125	7	94	10,625		90	6	93		9,107		
W	03/18/2015	174	122	4	97	5,805		87	5	94		7,256		15
Th	03/19/2015	177	136	5	96	7,381		145	4	97		5,905		
F	03/20/2015	228	126	5	96	9,508		83	6	93		11,409		
S	03/21/2015	248	104	7	93	14,478		69	5	93		10,342		
Su	03/22/2015	183	103	7	93	10,684		96	5	95		7,631		
M	03/23/2015	178	137	4	97	5,938		79	6	92		8,907		16
T	03/24/2015	173	123	6	95	8,657		90	4	96		5,771		
W	03/25/2015	181	138	4	97	6,038		127	5	96		7,548		15
Th	03/26/2015	225	278	11	96	20,642		91	6	93		11,259		
F	03/27/2015	223	116	6	95	11,159		64	4	94		7,439		
S	03/28/2015	180	79	3	96	4,504		80	3	96		4,504		
Su	03/29/2015	172	162	9	94	12,910		95	3	97		4,303		
M	03/30/2015	176	260	3	99	4,404		78	3	96		4,404		
T	03/31/2015	186	159	4	97	6,205		102	3	97		4,654		

TOTAL	6,570	4,274	208					2,583	160					
AVERAGE	212	138	7	95		12,644		83	5	94		9,222		17

Wk1	228	142	7			14,936		73	6			10,810		
Wk2	242	130	8			17,260		73	6			11,912		
Wk3	200	117	6			10,779		93	5			8,630		
Wk4	192	139	6			9,660		90	5			7,580		

MAX	342
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CBOD 20 LBS----	30,662
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - MARCH 2015

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
Su	03/01/2015	195		7.1		6.5		0.14	2
M	03/02/2015	209		7.0		6.6		0.13	44
T	03/03/2015	241		7.0		7.5		0.16	9
W	03/04/2015	342		6.9		9.3		0.37	5
Th	03/05/2015	238		7.0		10.1		0.32	23
F	03/06/2015	193		7.0		7.5		0.21	8
S	03/07/2015	179		7.1		7.2		0.19	15
Su	03/08/2015	225		7.0		7.3		0.10	57
M	03/09/2015	207		7.0		6.0		0.10	52
T	03/10/2015	300		6.9		7.3		0.06	65
W	03/11/2015	233		6.9		8.9		0.31	225
Th	03/12/2015	187		7.0		7.6		0.23	36
F	03/13/2015	201		7.0		6.3		0.24	17
S	03/14/2015	341		7.0		7.8		0.30	5
Su	03/15/2015	200		7.0		5.7		0.27	5
M	03/16/2015	193		7.0		6.2		0.20	17
T	03/17/2015	182		7.0		5.8		0.17	7
W	03/18/2015	174		7.1		6.6		0.09	19
Th	03/19/2015	177		7.0		5.8		0.11	24
F	03/20/2015	228		7.2		5.9		0.08	60
S	03/21/2015	248		7.0		5.5		0.05	10
Su	03/22/2015	183		7.0		5.6		0.12	13
M	03/23/2015	178		7.0		5.0		0.05	70
T	03/24/2015	173		7.0		7.2		0.05	15
W	03/25/2015	181		7.0		7.4		0.05	6
Th	03/26/2015	225		7.0		4.9		0.05	7
F	03/27/2015	223		7.0		7.4		0.05	3
S	03/28/2015	180		7.0		6.4		0.09	5
Su	03/29/2015	172		7.0		6.8		0.10	4
M	03/30/2015	176		7.0		6.0		0.12	6
T	03/31/2015	186		7.0		6.7		0.11	10
Total		6,570	MIN	MAX	AVG		MIN		MEAN
Avg		212	6.9	7.2	6.8		4.9		

Wk1 228
Wk2 242
Wk3 200
Wk4 192

MAX	342
-----	-----

NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - MARCH 2015

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
03/01/2015	24	158	174	130	135	122	72	78
03/02/2015	27	167	180	148	152	90	80	81
03/03/2015	29	195	192	184	185	126	72	78
03/04/2015	48	265	132	192	184	78	48	52
03/05/2015	35	185	118	84	89	97	63	68
03/06/2015	27	152	136	108	112	115	75	81
03/07/2015	25	141	216	124	137	117	69	76
03/08/2015	32	176	132	148	146	138	77	86
03/09/2015	32	160	192	140	148	96	64	69
03/10/2015	50	224	122	176	167	77	66	68
03/11/2015	40	176	76	88	86	90	62	67
03/12/2015	29	145	136	124	126	94	73	76
03/13/2015	28	158	128	152	149	122	81	87
03/14/2015	57	251	112	84	89	81	56	60
03/15/2015	34	152	116	72	79	111	78	84
03/16/2015	29	148	164	116	123	144	88	96
03/17/2015	27	141	132	124	125	115	86	90
03/18/2015	26	136	204	108	122	126	80	87
03/19/2015	26	138	156	132	136	126	148	145
03/20/2015	29	182	140	124	126	120	78	83
03/21/2015	35	193	128	100	104	110	62	69
03/22/2015	29	141	160	92	103	120	91	96
03/23/2015	27	138	140	136	137	119	72	79
03/24/2015	25	136	164	116	123	106	87	90
03/25/2015	25	143	128	140	138	149	124	127
03/26/2015	28	180	236	284	278	121	87	91
03/27/2015	32	173	140	112	116	87	60	64
03/28/2015	27	138	120	72	79	132	71	80
03/29/2015	26	132	174	160	162	142	87	95
03/30/2015	25	137	184	272	260	113	72	78
03/31/2015	25	147	228	148	159	135	97	102
AVG	31	165	154	135	138	114	78	83

PERMIT

SWWPCP - MARCH 2015

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
03/01/2015		181			
03/02/2015	94	138	100	10	90%
03/03/2015		138			
03/04/2015	68	105	73	12	84%
03/05/2015		113			
03/06/2015		131			
03/07/2015		159			
03/08/2015		159			
03/09/2015	84	115	89	8	91%
03/10/2015		103			
03/11/2015	74	106	79	10	87%
03/12/2015		129			
03/13/2015		159			
03/14/2015		86			
03/15/2015		118			
03/16/2015	102	159	111	9	92%
03/17/2015		156			
03/18/2015	90	145	98	9	91%
03/19/2015		156			
03/20/2015		135			
03/21/2015		118			
03/22/2015		150			
03/23/2015	103	150	110	10	91%
03/24/2015		120			
03/25/2015	135	164	139	9	94%
03/26/2015		135			
03/27/2015		121			
03/28/2015		147			
03/29/2015		154			
03/30/2015		147			
03/31/2015		146			
AVG	94	137	100	10	90%

DESIGN - 200 MGD

DATE	SWWPCP - MARCH 2015					RAIN (inches)
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
03/01/2015	24	158	13	195	325	0.52
03/02/2015	27	167	15	209	337	
03/03/2015	29	195	17	241	392	0.61
03/04/2015	48	265	29	342	448	0.49
03/05/2015	35	185	18	238	354	0.78
03/06/2015	27	152	14	193	241	
03/07/2015	25	141	13	179	245	
03/08/2015	32	176	17	225	345	
03/09/2015	32	160	15	207	263	
03/10/2015	50	224	26	300	468	0.71
03/11/2015	40	176	17	233	338	T
03/12/2015	29	145	13	187	216	
03/13/2015	28	158	15	201	315	0.08
03/14/2015	57	251	33	341	470	0.95
03/15/2015	34	152	14	200	222	
03/16/2015	29	148	16	193	220	T
03/17/2015	27	141	14	182	211	T
03/18/2015	26	136	12	174	203	
03/19/2015	26	138	13	177	184	
03/20/2015	29	182	17	228	292	0.70
03/21/2015	35	193	20	248	358	
03/22/2015	29	141	13	183	203	
03/23/2015	27	138	13	178	194	
03/24/2015	25	136	12	173	185	
03/25/2015	25	143	13	181	202	0.05
03/26/2015	28	180	17	225	320	0.34
03/27/2015	32	173	18	223	356	0.20
03/28/2015	27	138	15	180	204	
03/29/2015	26	132	14	172	197	
03/30/2015	25	137	14	176	187	0.03
03/31/2015	25	147	14	186	218	0.06
TOTAL	958	5,108	504	6,570		5.52
AVG	31	165	16	212		
		MIN		172	184	
		MAX		342	470	

DESIGN - 200 MGD

DATE	SWWPCP - MARCH 2015					RAIN (inches)
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
03/01/2015	24	158	13	195	325	0.52
03/02/2015	27	167	15	209	337	
03/03/2015	29	195	17	241	392	0.61
03/04/2015	48	265	29	342	448	0.49
03/05/2015	35	185	18	238	354	0.78
03/06/2015	27	152	14	193	241	
03/07/2015	25	141	13	179	245	
03/08/2015	32	176	17	225	345	
03/09/2015	32	160	15	207	263	
03/10/2015	50	224	26	300	468	0.71
03/11/2015	40	176	17	233	338	T
03/12/2015	29	145	13	187	216	
03/13/2015	28	158	15	201	315	0.08
03/14/2015	57	251	33	341	470	0.95
03/15/2015	34	152	14	200	222	
03/16/2015	29	148	16	193	220	T
03/17/2015	27	141	14	182	211	T
03/18/2015	26	136	12	174	203	
03/19/2015	26	138	13	177	184	
03/20/2015	29	182	17	228	292	0.70
03/21/2015	35	193	20	248	358	
03/22/2015	29	141	13	183	203	
03/23/2015	27	138	13	178	194	
03/24/2015	25	136	12	173	185	
03/25/2015	25	143	13	181	202	0.05
03/26/2015	28	180	17	225	320	0.34
03/27/2015	32	173	18	223	356	0.20
03/28/2015	27	138	15	180	204	
03/29/2015	26	132	14	172	197	
03/30/2015	25	137	14	176	187	0.03
03/31/2015	25	147	14	186	218	0.06
TOTAL	958	5,108	504	6,570		5.52
AVG	31	165	16	212		
		MIN		172	184	
		MAX		342	470	

**E2 Receipt**

Here is your report submission receipt. [Click here to print.](#)

Submission ID: 96681

Submitted on 4/28/2015 12:20:41 PM, at 170.115.248.22

Submitted by:

Mary Ellen Senss
PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
8200 Enterprise Avenue
PHILADELPHIA, PA 19153
215-685-4015
maryellen.senss@phila.gov

Report Detail

	Monthly Discharge Monitoring Report
Facility Name	PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
Permit Number	PA0026671
Report Frequency	Quarterly
Report Period	01/01/2015 - 03/31/2015

Attachment Detail**Online Attachments**

•	BLSSW201503.xls
•	SW Data Qualifer 201503 Part A.pdf
•	SW Data Qualifer 201503 Part B.pdf

Mail Attachments

Mail to Address:

Mail in the following attachment(s):

Thank you for using E2 system!

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-01-01 To: 2015-03-31 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
alpha-Endosulfan Parameter Code: 34361 Stage Code: 1	Sample Measurement	*****	*****		*****	<.0000100	*****	mg/L	0	3/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Benzidine Parameter Code: 39120 Stage Code: 1	Sample Measurement	*****	*****		*****	<.0567	*****	mg/L	0	3/quarter	Grab
	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	Grab
4,4-DDT Parameter Code: 39300 Stage Code: 1	Sample Measurement	*****	*****		*****	<.0000200	*****	mg/L	0	3/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
4,4-DDD Parameter Code: 39310 Stage Code: 1	Sample Measurement	*****	*****		*****	<.0000200	*****	mg/L	0	3/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
4,4-DDE Parameter Code: 39320 Stage Code: 1	Sample Measurement	*****	*****		*****	<.0000200	*****	mg/L	0	3/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
beta-BHC Parameter Code: 39338 Stage Code: 1	Sample Measurement	*****	*****		*****	<.0000100	*****	mg/L	0	3/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
gamma-BHC Parameter Code: 39344 Stage Code: 1	Sample Measurement	*****	*****		*****	<.0000100	*****	mg/L	0	3/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).	Signature of Principal Executive Officer Or Authorized Agent <div style="border: 1px solid black; height: 40px; width: 100%;"></div>					Telephone No <div style="border: 1px solid black; height: 40px; width: 100%;"></div>		Date 2015-04-28			

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 1

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-01-01 To: 2015-03-31 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Dieldrin Parameter Code: 39380 Stage Code: 1	Sample Measurement	*****	*****		*****	<.0000200	*****	mg/L	0	3/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Heptachlor Parameter Code: 39410 Stage Code: 1	Sample Measurement	*****	*****		*****	<.0000100	*****	mg/L	0	3/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Chlordane Parameter Code: 51032 Stage Code: 1	Sample Measurement	*****	*****		*****	<.0004067	*****	mg/L	0	3/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Acute toxicity (Ceriodaphnia) Parameter Code: 61425 Stage Code: 1	Sample Measurement	*****	*****		*****	*****	<1	TUa	0	1/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	*****	Report Daily Maximum			1/quarter	24-Hr Composite
Chronic toxicity (Ceriodaphnia) Parameter Code: 61426 Stage Code: 1	Sample Measurement	*****	*****		*****	*****	2	TUc	0	1/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	*****	Report Daily Maximum			1/quarter	24-Hr Composite
Acute toxicity (Pimephales) Parameter Code: 61427 Stage Code: 1	Sample Measurement	*****	*****		*****	*****	<1	TUa	0	1/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	*****	Report Daily Maximum			1/quarter	24-Hr Composite
Chronic toxicity (Pimephales) Parameter Code: 61428 Stage Code: 1	Sample Measurement	*****	*****		*****	*****	1	TUc	0	1/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	*****	Report Daily Maximum			1/quarter	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent		I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).					Signature of Principal Executive Officer Or Authorized Agent		Telephone No		Date
											2015-04-28

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 2

GENERAL REPORT COMMENT:

Quarterly NPDES data as required. Please see attachment for data qualifiers.

PARAMETER SPECIFIC COMMENTS:

345780	Benzidine	Concentration Avg:	Please see attachment for data qualifier report.
345780	4,4-DDT	Concentration Avg:	Please see attachment for data qualifier report.
345780	4,4-DDD	Concentration Avg:	Please see attachment for data qualifier report.
345780	4,4-DDE	Concentration Avg:	Please see attachment for data qualifier report.
345780	beta-BHC	Concentration Avg:	Please see attachment for data qualifier report.
345780	gamma-BHC	Concentration Avg:	Please see attachment for data qualifier report.
345780	Dieldrin	Concentration Avg:	Please see attachment for data qualifier report.
345780	Heptachlor	Concentration Avg:	Please see attachment for data qualifier report.
345780	Chlordane	Concentration Avg:	Please see attachment for data qualifier report.

Central Laboratory

[illegible]

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF MARCH 2015

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

3/13/2015

Toxicity, Ceriodaphnia acute < 1

Toxicity, Ceriodaphnia chronic 2

Toxicity, Pimphales acute < 1

Toxicity, Pimphales chronic 1

File Name: 201503SL
 Print Date: 04/27/2015

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP				
MARCH 2015	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT		
	Biosolids Recycle Center / Synagro			Biosolids Recycle Center / Synagro				
	From NEWPCP MGD	MGD			From SWWPCP MGD		MGD	
03/01/2015				0.870	1.211	110.4		
03/02/2015	0.916	0.884	78	1.226	0.593	61.1		
03/03/2015	0.915	0.879	70	1.399	1.412	115.0		
03/04/2015	0.912	0.446	30	0.321	0.820	62.1		
03/05/2015	0.915	1.421	123	0.910	0.644	43.6		
03/06/2015	0.591	0.542	44	1.731	1.564	125.7		
03/07/2015				1.387	1.722	143.9		
03/08/2015	0.867	0.922	99	1.137	0.842	68.9		
03/09/2015	0.968	0.861	118	1.064	1.518	129.8		
03/10/2015	0.931	0.995	95	1.102	0.887	79.0		
03/11/2015				1.215	1.425	140.5		
03/12/2015	1.820	1.684	148	0.949	0.356	31.8		
03/13/2015	0.913	1.182	94	0.992	1.339	129.9		
03/14/2015	0.946	0.991	91	1.045	1.199	105.0		
03/15/2015	0.634	0.762	58	0.796	0.654	77.9		
03/16/2015	1.172	1.140	99	1.252	1.349	114.7		
03/17/2015				1.245	1.561	155.6		
03/18/2015	0.934	0.555	54	1.194	0.374	31.8		
03/19/2015	0.803	1.032	90	1.107	1.288	126.4		
03/20/2015	0.910	1.038	78	1.010	1.387	114.6		
03/21/2015				1.060	1.284	101.8		
03/22/2015	0.907	0.900	70	0.842	0.544	39.8		
03/23/2015	0.889	0.700	55	1.192	0.970	87.0		
03/24/2015	0.866	0.565	49	0.771	0.853	77.0		
03/25/2015	0.879	1.451	137	0.603	0.600	53.7		
03/26/2015	0.895	0.899	94	1.218	1.399	117.0		
03/27/2015	0.887	0.836	71	2.171	1.784	133.1		
03/28/2015	0.946	0.868	80	1.295	1.504	136.1		
03/29/2015	0.925	1.058	123	1.225	1.249	126.5		
03/30/2015	0.896	0.892	95	1.025	1.029	112.1		
03/31/2015	0.874	0.883	98	0.628	0.992	98.4		
TOTAL	24.110	24.386	2,240	33.980	34.353	3,050		
AVERAGE	0.927	0.938	86	1.096	1.108	98		

Central Laboratory

		3/8/2015		3/9/2015		3/10/2015		3/11/2015		3/12/2015		3/13/2015		AVG
1,2-Dichloroethane	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050		0.0050	<	0.0050
alpha-Endosulfan			<	0.0000100			<	0.0000100			<	0.0000100	<	0.0000100
Benzidine				0.0570				0.0570			<	0.0560	<	0.0567
beta-BHC			<	0.0000100			<	0.0000100			<	0.0000100	<	0.0000100
Chlordane			<	0.0004100			<	0.0004000			<	0.0004100	<	0.0004067
Chloroform	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050
Dieldrin				0.0000200				0.0000200				0.0000200		0.0000200
Heptachlor				0.0000100				0.0000100				0.0000100		0.0000100
Lindane (Gamma-BHC)				0.0000100				0.0000100				0.0000100		0.0000100
p,p'-DDD				0.0000200				0.0000200				0.0000200		0.0000200
p,p'-DDE				0.0000200				0.0000200				0.0000200		0.0000200
p,p'-DDT				0.0000200				0.0000200				0.0000200		0.0000200
Tetrachloroethylene	<	0.0050		0.0050	<	0.0050		0.0050	<	0.0050		0.0050		0.0050
Trichloroethylene	<	0.0050		0.0050	<	0.0050		0.0050	<	0.0050		0.0050		0.0050

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF MARCH 2015

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

3/13/2015

Toxicity, Ceriodaphnia acute < 1

Toxicity, Ceriodaphnia chronic 2

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

Report Date: 04/15/2015

WW150304-027

Composite 24h 03/05/2015 07:00

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			3/6/2015	23:59	1.289	mg/L as N		mg/L as N
Nitrite	EPA 300.0			3/9/2015	22:28	0.465	mg/L as N		mg/L as N

Data Qualifiers:

Nitrate	The holding time was exceeded. The sample holding time is 48 hours. Sample analysis began at about 79 hours from sample collection.
Nitrite	The holding time was exceeded. The sample holding time is 48 hours. Sample analysis began at about 137 hours from sample collection.

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: 4/20/2015

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

SW WET Composite

Report Date: 04/15/2015

WW150309-025

Composite 24h 03/09/2015 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 ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
1,2-Diphenylhydrazine ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
2,4,6-Trichlorophenol ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
2,4-Dichlorophenol ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
2,4-Dimethylphenol ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
2,4-Dinitrophenol ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<38.00 ^E	µg/L	38	µg/L
2,4-Dinitrotoluene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
2,6-Dinitrotoluene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
2-Chloronaphthalene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
2-Chlorophenol ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
2-Nitrophenol ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
3,3'-Dichlorobenzidine ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
4,4'-DDD ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.02 ^E	µg/L	0.017	µg/L
4,4'-DDE ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.02 ^E	µg/L	0.017	µg/L
4,4'-DDT ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.02 ^E	µg/L	0.017	µg/L
4,6-Dinitro-o-cresol ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<14.00 ^E	µg/L	14	µg/L
4-Bromophenyl phenyl ether ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
4-Chlorophenyl phenyl ether ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
4-Nitrophenol ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<14.00 ^E	µg/L	14	µg/L
Acenaphthene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Acenaphthylene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Aldrin ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.01 ^E	µg/L	0.0083	µg/L
alpha-BHC ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.01 ^E	µg/L	0.0083	µg/L
Anthracene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Aroclor 1016 ^{B,D}	EPA 608	3/10/2015	16:00	3/10/2015	21:34	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1221 ^{B,D}	EPA 608	3/10/2015	16:00	3/10/2015	21:34	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1232 ^{B,D}	EPA 608	3/10/2015	16:00	3/10/2015	21:34	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1242 ^{B,D}	EPA 608	3/10/2015	16:00	3/10/2015	21:34	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1248 ^{B,D}	EPA 608	3/10/2015	16:00	3/10/2015	21:34	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1254 ^{B,D}	EPA 608	3/10/2015	16:00	3/10/2015	21:34	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1260 ^{B,D}	EPA 608	3/10/2015	16:00	3/10/2015	21:34	<0.41 ^E	µg/L	0.41	µg/L
Benzidine ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<57.00 ^E	µg/L	57	µg/L
Benzo(a)anthracene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Benzo(a)pyrene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Benzo(b)fluoranthene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Benzo(ghi)perylene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Benzo(k)fluoranthene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
beta-BHC ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.01 ^E	µg/L	0.0083	µg/L
bis(2-Chloroethoxy)methane ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
bis(2-Chloroethyl) ether ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
bis(2-Chloroisopropyl) ether ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
bis(2-Ethylhexyl) phthalate ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Butyl benzyl phthalate ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
CBOD5	SM52108			3/14/2015	10:22	3.43	mg/L	2	mg/L
Chlordane ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.41 ^E	µg/L	0.41	µg/L

Chrysene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
delta-BHC ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.01 ^E	µg/L	0.0083	µg/L
Di-n-butyl phthalate ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Di-n-octyl phthalate ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Dibenzo(ah)anthracene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Dieldrin ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.02 ^E	µg/L	0.017	µg/L
Diethyl phthalate ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Dimethyl phthalate ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Endosulfan I ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.01 ^E	µg/L	0.0083	µg/L
Endosulfan II ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.02 ^E	µg/L	0.017	µg/L
Endosulfan sulfate ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.02 ^E	µg/L	0.017	µg/L
Endrin ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.02 ^E	µg/L	0.017	µg/L
Endrin aldehyde ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.08 ^E	µg/L	0.083	µg/L
Fluoranthene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Fluorene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
gamma-BHC B,D	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.01 ^E	µg/L	0.0083	µg/L
Heptachlor ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.01 ^E	µg/L	0.0083	µg/L
Heptachlor epoxide ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.01 ^E	µg/L	0.0083	µg/L
Hexachlorobenzene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Hexachlorobutadiene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Hexachlorocyclopentadiene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<14.00 ^E	µg/L	14	µg/L
Hexachloroethane ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Indeno(1,2,3-cd)pyrene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Isophorone ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
N-Nitrosodi-n-propylamine ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
N-Nitrosodimethylamine ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
N-Nitrosodiphenylamine ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Nitrobenzene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
p-Chloro-m-cresol ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
PCBs Total ^{B,D}	EPA 608	3/10/2015	16:00	3/10/2015	21:34	<0.41 ^E	µg/L	0.41	µg/L
Pentachlorophenol ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<14.00 ^E	µg/L	14	µg/L
Phenanthrene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Phenol ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Pyrene ^{B,D}	EPA 625	3/14/2015	13:45	3/16/2015	1:36	<5.00 ^E	µg/L	5	µg/L
Toxaphene ^{B,D}	EPA 608	3/10/2015	16:00	3/16/2015	11:21	<0.83 ^E	µg/L	0.83	µg/L

Data Qualifiers:

1,2,4-Trichlorobenzene	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
1,2-Diphenylhydrazine	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
2,4,6-Trichlorophenol	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
2,4-Dichlorophenol	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
2,4-Dimethylphenol	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
2,4-Dinitrophenol	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
2,4-Dinitrotoluene	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
2,6-Dinitrotoluene	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
2-Chloronaphthalene	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
2-Chlorophenol	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.

Aroclor 1260	The recovery of one of the surrogates, Decachlorobiphenyl, is 26% which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Benidine	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
Benzo(a)anthracene	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
Benzo(a)pyrene	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
Benzo(b)fluoranthene	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
Benzo(ghi)perylene	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
Benzo(k)fluoranthene	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
beta-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 16% which is outside the acceptance limits of 32-149%. And the recovery of the other surrogates, Tetrachloro-m-xylene, is 33% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
bis(2-Chloroethoxy)methane	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
bis(2-Chloroethyl) ether	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
bis(2-Chloroisopropyl) ether	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
bis(2-Ethylhexyl) phthalate	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
Butyl benzyl phthalate	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
CBOD5	GGA Check Failed at 167 Mg/L. Acceptable range is 168 to 229 Mg/L.
Chlordane	The recovery of one of the surrogates, Decachlorobiphenyl, is 16% which is outside the acceptance limits of 32-149%. And the recovery of the other surrogates, Tetrachloro-m-xylene, is 33% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Chrysene	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
delta-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 16% which is outside the acceptance limits of 32-149%. And the recovery of the other surrogates, Tetrachloro-m-xylene, is 33% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Di-n-butyl phthalate	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
Di-n-octyl phthalate	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
Dibenzo(ah)anthracene	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
Dieldrin	The recovery of one of the surrogates, Decachlorobiphenyl, is 16% which is outside the acceptance limits of 32-149%. And the recovery of the other surrogates, Tetrachloro-m-xylene, is 33% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Diethyl phthalate	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
Dimethyl phthalate	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.

p-Chloro-m-cresol	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
PCBs Total	The recovery of one of the surrogates, Decachlorobiphenyl, is 26% which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Pentachlorophenol	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
Phenanthrene	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
Phenol	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
Pyrene	The recovery of one of the surrogates, Terphenyl-d14, is 67% which is outside the acceptance limits of 69-130%. Since the recovery is >10%, the data is reported.
Toxaphene	The recovery of one of the surrogates, Decachlorobiphenyl, is 16% which is outside the acceptance limits of 32-149%. And the recovery of the other surrogates, Tetrachloro-m-xylene, is 33% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.

WW150311-031

Composite 24h 03/11/2015 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 ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.02 ^E	µg/L	0.016	µg/L
4,4'-DDE ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.02 ^E	µg/L	0.016	µg/L
4,4'-DDT ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.02 ^E	µg/L	0.016	µg/L
Aldrin ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.01 ^E	µg/L	0.0081	µg/L
alpha-BHC ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.01 ^E	µg/L	0.0081	µg/L
beta-BHC ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.01 ^E	µg/L	0.0081	µg/L
Chlordane ^{B,D}	EPA 608	3/17/2015	22:50	3/19/2015	22:50	<0.40 ^E	µg/L	0.4	µg/L
delta-BHC ^{B,D}	EPA 608	3/17/2015	22:50	3/19/2015	22:50	<0.01 ^E	µg/L	0.0081	µg/L
Dieldrin ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.02 ^E	µg/L	0.016	µg/L
Diethyl phthalate ^{B,D}	EPA 625	3/17/2015	19:23	3/17/2015	19:23	<5.00 ^E	µg/L	5	µg/L
Dimethyl phthalate ^{B,D}	EPA 625	3/17/2015	19:23	3/17/2015	19:23	<5.00 ^E	µg/L	5	µg/L
Endosulfan I ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.01 ^E	µg/L	0.0081	µg/L
Endosulfan II ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.02 ^E	µg/L	0.016	µg/L
Endosulfan sulfate ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.02 ^E	µg/L	0.016	µg/L
Endrin ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.02 ^E	µg/L	0.016	µg/L
Endrin aldehyde ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.08 ^E	µg/L	0.081	µg/L
gamma-BHC ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.01 ^E	µg/L	0.0081	µg/L
Heptachlor ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.01 ^E	µg/L	0.0081	µg/L
Heptachlor epoxide ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.01 ^E	µg/L	0.0081	µg/L
Toxaphene ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	22:50	<0.81 ^E	µg/L	0.81	µg/L

Data Qualifiers:

4,4'-DDD	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
4,4'-DDE	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
4,4'-DDT	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results 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
2-Chlorophenol ^{B,D}	EPA 625	3/18/2015	10:00	3/20/2015	23:37	<5.00 ^E	µg/L	5	µg/L
4,4'-DDD ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.02 ^E	µg/L	0.016	µg/L
4,4'-DDE ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.02 ^E	µg/L	0.016	µg/L
4,4'-DDT ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.02 ^E	µg/L	0.016	µg/L
4,6-Dinitro-o-cresol ^{B,D}	EPA 625	3/18/2015	10:00	3/20/2015	23:37	<14.00 ^E	µg/L	14	µg/L
Aldrin ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.01 ^E	µg/L	0.0081	µg/L
alpha-BHC ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.01 ^E	µg/L	0.0081	µg/L
Benzidine ^{B,D}	EPA 625	3/18/2015	10:00	3/20/2015	23:37	<56.00 ^E	µg/L	56	µg/L
beta-BHC ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.01 ^E	µg/L	0.0081	µg/L
CBOD5	SM5210B			3/18/2015	12:05	4.50	mg/L	2	mg/L
Chlordane ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.41 ^E	µg/L	0.41	µg/L
delta-BHC ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.01 ^E	µg/L	0.0081	µg/L
Dieldrin ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.02 ^E	µg/L	0.016	µg/L
Endosulfan I ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.01 ^E	µg/L	0.0081	µg/L
Endosulfan II ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.02 ^E	µg/L	0.016	µg/L
Endosulfan sulfate ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.02 ^E	µg/L	0.016	µg/L
Endrin ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.02 ^E	µg/L	0.016	µg/L
Endrin aldehyde ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.08 ^E	µg/L	0.081	µg/L
gamma-BHC ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.01 ^E	µg/L	0.0081	µg/L
Heptachlor ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.01 ^E	µg/L	0.0081	µg/L
Heptachlor epoxide ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.01 ^E	µg/L	0.0081	µg/L
Toxaphene ^{B,D}	EPA 608	3/17/2015	9:30	3/19/2015	23:15	<0.81 ^E	µg/L	0.81	µg/L

Data Qualifiers:

2-Chlorophenol	The recovery of the matrix spike is 101% and the recovery of the matrix spike dup is 103% which are both outside the acceptance limits of 81-99%.
4,4'-DDD	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
4,4'-DDE	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
4,4'-DDT	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
4,6-Dinitro-o-cresol	The recovery for the matrix spike is 42% which is outside the acceptance limits of 52-143%.
Aldrin	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
alpha-BHC	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Benzidine	The recovery of the matrix spike is 0% and the recovery of the matrix spike dup is 0% which are both outside the acceptance limits of 20-98%.
beta-BHC	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
CBOD5	GGA check failed at 158 Mg/L. Acceptable range is 168 to 229 Mg/L.
Chlordane	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.

delta-BHC	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Dieldrin	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Endosulfan I	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Endosulfan II	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Endosulfan sulfate	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Endrin	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Endrin aldehyde	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
gamma-BHC	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Heptachlor	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Heptachlor epoxide	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Toxaphene	The recovery of one of the method blank surrogates, Tetrachloro-m-xylene, is 28% which is outside the acceptance limits of 39-138%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.

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: 4/15/2015

**E2 Receipt**

Here is your report submission receipt. Click [here](#) to print.

Submission ID: 98495

Submitted on 5/27/2015 4:45:51 PM, at 170.115.248.23

Submitted by:

Mary Ellen Senss
PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
8200 Enterprise Avenue
PHILADELPHIA, PA 19153
215-685-4015
maryellen.senss@phila.gov

Report Detail

Facility Name	Monthly Discharge Monitoring Report PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
Permit Number	PA0026671
Report Frequency	Monthly
Report Period	04/01/2015 - 04/30/2015

Attachment Detail**Online Attachments**

- E-NPDES SW201504.xls
- BLSSW201504.xls
- SWCSO 201504.xls
- 201504SL.xls

Mail Attachments

Mail to Address:

Mail in the following attachment(s):

Thank you for using E2 system!

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for April 2015

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY:	PHILA WATER DEPT - SOUTHWEST WPC PLANT	PERMIT NUMBER:	PA0026671	REGION:	EP SE Rgnl Off
PERMITTEE:	PHILADELPHIA WATER DEPT	OUTFALL:	001	COUNTY:	Philadelphia
	1101 MARKET ST	MONITORING PERIOD:	From: 2015-04-01 To: 2015-04-30	CITY:	PHILADELPHIA
ADDRESS:	PHILADELPHIA, PA 19107-2994			NO DISCHARGE FROM SITE:	()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Dissolved Oxygen	Sample Measurement	*****	*****		4.8	6.0	*****		0	1/day	Grab
Parameter Code: 00300 Stage Code: 1	Permit Requirement	*****	*****		Report Instantaneous Minimum	Report Average Monthly	*****	mg/L		1/day	Grab
pH	Sample Measurement	*****	*****		6.9	*****	7.1		0	1/day	Grab
Parameter Code: 00400 Stage Code: 1	Permit Requirement	*****	*****		6.0 Instantaneous Minimum	*****	9.0 Instantaneous Maximum	S.U.		1/day	Grab
Total Suspended Solids	Sample Measurement	7618	11622		*****	5	6		0	1/day	24-Hr Composite
Parameter Code: 00530 Stage Code: 1	Permit Requirement	50400 Average Monthly	75060 Weekly Average	lbs/day	*****	30 Average Monthly	45 Weekly Average	mg/L		1/day	24-Hr Composite
Ammonia-Nitrogen	Sample Measurement	*****	*****		*****	19.93	26.60		0	1/week	24-Hr Composite
Parameter Code: 00610 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Nitrite as N	Sample Measurement	*****	*****		*****	.435	.479		0	1/week	24-Hr Composite
Parameter Code: 00615 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Nitrate as N	Sample Measurement	*****	*****		*****	.429	.537		0	1/week	24-Hr Composite
Parameter Code: 00620 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Total Kjeldahl Nitrogen	Sample Measurement	*****	*****		*****	23.05	28.20		0	1/week	24-Hr Composite
Parameter Code: 00625 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-05-27		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission.

Page 1

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT
PERMITTEE: PHILADELPHIA WATER DEPT
 1101 MARKET ST
 PHILADELPHIA, PA 19107-2994
ADDRESS:

PERMIT NUMBER: PA0026671
OUTFALL: 001
MONITORING PERIOD: From: 2015-04-01 To: 2015-04-30

REGION: EP SE Rgnl Off
COUNTY: Philadelphia
CITY: PHILADELPHIA
NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Total Phosphorus	Sample Measurement	*****	*****		*****	.309	.493	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00665 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Total Copper	Sample Measurement	*****	*****		*****	.0070	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 01042 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Dissolved Iron	Sample Measurement	*****	*****		*****	.3340	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 01046 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Total Lead	Sample Measurement	*****	*****		*****	<.0030	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 01051 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Total Nickel	Sample Measurement	*****	*****		*****	.0600	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 01067 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Total Zinc	Sample Measurement	*****	*****		*****	.0330	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 01092 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Total Selenium	Sample Measurement	*****	*****		*****	<.0030	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 01147 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-05-27		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission.

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Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY:	PHILA WATER DEPT - SOUTHWEST WPC PLANT	PERMIT NUMBER:	PA0026671	REGION:	EP SE Rgnl Off
PERMITTEE:	PHILADELPHIA WATER DEPT	OUTFALL:	001	COUNTY:	Philadelphia
	1101 MARKET ST	MONITORING	From: 2015-04-01	CITY:	PHILADELPHIA
ADDRESS:	PHILADELPHIA, PA 19107- 2994	PERIOD:	To: 2015-04-30	NO DISCHARGE FROM	
				SITE:	()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
1,2-Dichloroethane	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 32103	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Stage Code: 1											
Chloroform	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 32106	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Stage Code: 1											
Total Phenolics	Sample Measurement	*****	*****		*****	<.040	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 32730	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Stage Code: 1											
Tetrachloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 34475	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Stage Code: 1											
Trichloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 39180	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Stage Code: 1											
Flow (mgd)	Sample Measurement	171	322	MGD	*****	*****	*****		0	Continuous	Metered
Parameter Code: 50050	Permit Requirement	Report Average Monthly	Report Daily Maximum		*****	*****	*****			Continuous	Metered
Stage Code: 1											
Total Residual Chlorine (TRC)	Sample Measurement	*****	*****		*****	.08	.17	mg/L	0	1/day	Grab
Parameter Code: 50060	Permit Requirement	*****	*****		*****	0.5 Average Monthly	1.0 Instantaneous Maximum			1/day	Grab
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
										2015-05-27	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission.

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Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY:	PHILA WATER DEPT - SOUTHWEST WPC PLANT	PERMIT NUMBER:	PA0026671	REGION:	EP SE Rgnl Off
PERMITTEE:	PHILADELPHIA WATER DEPT	OUTFALL:	001	COUNTY:	Philadelphia
	1101 MARKET ST	MONITORING	From: 2015-04-01	CITY:	PHILADELPHIA
ADDRESS:	PHILADELPHIA, PA 19107- 2994	PERIOD:	To: 2015-04-30	NO DISCHARGE FROM	
				SITE:	()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Free Available Cyanide	Sample Measurement	*****	*****		*****	<.010	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 51173	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Stage Code: 1											
Fecal Coliform	Sample Measurement	*****	*****		*****	13	*****	CFU/100 mL	0	1/day	Grab
Parameter Code: 74055	Permit Requirement	*****	*****		*****	200 Geometric Mean	*****			1/day	Grab
Stage Code: 1											
CBOD5	Sample Measurement	6078	6815		*****	4	5	mg/L	0	1/day	24-Hr Composite
Parameter Code: 80082	Permit Requirement	19800 Average Monthly	29700 Weekly Average	lbs/day	*****	25 Average Monthly	40 Weekly Average			1/day	24-Hr Composite
Stage Code: 1											
CBOD20	Sample Measurement	25478	*****		*****	*****	*****		0	2/week	24-Hr Composite
Parameter Code: 80087	Permit Requirement	35830 Average Monthly	*****	lbs/day	*****	*****	*****			2/week	24-Hr Composite
Stage Code: 1											
CBOD5 % Removal	Sample Measurement	*****	*****		96	*****	*****	%	0	1/day	24-Hr Composite
Parameter Code: 80091	Permit Requirement	*****	*****		89.25 Minimum Monthly % Removal	*****	*****			1/day	24-Hr Composite
Stage Code: K											
TSS % Removal	Sample Measurement	*****	*****		97	*****	*****	%	0	1/day	24-Hr Composite
Parameter Code: 81011	Permit Requirement	*****	*****		85 Minimum Monthly % Removal	*****	*****			1/day	24-Hr Composite
Stage Code: K											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-05-27		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission.

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Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT
PERMITTEE: PHILADELPHIA WATER DEPT
 1101 MARKET ST
 PHILADELPHIA, PA 19107-2994
ADDRESS:

PERMIT NUMBER: PA0026671
OUTFALL: 101
MONITORING PERIOD: From: 2015-04-01 To: 2015-04-30

REGION: EP SE Rgnl Off
COUNTY: Philadelphia
CITY: PHILADELPHIA
NO DISCHARGE FROM SITE: (X)

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
pH	Sample Measurement	*****	*****		*****	*****	*****	S.U.			
Parameter Code: 00400 Stage Code: 1	Permit Requirement	*****	*****		Report Instantaneous Minimum	*****	Report Instantaneous Maximum			Daily when Discharging	Grab
Flow (mgd)	Sample Measurement	*****	*****	MGD	*****	*****	*****				
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	*****		*****	*****	*****			1/discharge	Estimate
Fecal Coliform	Sample Measurement	*****	*****		*****	*****	*****	CFU/100 mL			
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	*****	Report Instantaneous Maximum			Daily when Discharging	Grab
Duration of Discharge	Sample Measurement	*****	*****	minutes	*****	*****	*****				
Parameter Code: 81381 Stage Code: 1	Permit Requirement	Report Average Monthly	*****		*****	*****	*****			1/discharge	Estimate
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-05-27		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission.

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GENERAL REPORT COMMENT:

All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. A flow in excess of 300 MGD qualified for permit relief on the 20th of the month and was used in compliance reporting.

PARAMETER SPECIFIC COMMENTS:

PERMIT

SWWPCP - APRIL 2015

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			
W 04/01/2015	166	128	4	97		5,538		85	4	95		5,538		15
Th 04/02/2015	168	183	4	98		5,604		105	4	96		5,604		
F 04/03/2015	174	166	3	98		4,353		111	4	96		5,805		11
S 04/04/2015	168	96	3	97		4,203		99	3	97		4,203		
Su 04/05/2015	163	163	4	98		5,438		109	4	96		5,438		
M 04/06/2015	163	184	8	96		10,875		98	6	94		8,157		18
T 04/07/2015	186	198	6	97		9,307		96	5	95		7,756		
W 04/08/2015	165	162	4	98		5,513		98	5	95		6,891		22
Th 04/09/2015	166	131	5	96		6,922		101	6	94		8,307		
F 04/10/2015	165	147	5	97		6,881		75	3	96		4,128		
S 04/11/2015	160	136	5	96		6,672		90	4	96		5,338		
Su 04/12/2015	158	145	6	96		7,906		114	6	95		7,906		
M 04/13/2015	157	162	11	93		14,403		89	10	89		13,094		22
T 04/14/2015	172	162	7	96		10,041		100	4	96		5,738		
W 04/15/2015	153	136	3	98		3,828		101	5	95		6,380		16
Th 04/16/2015	160	175	3	98		4,003		114	3	97		4,003		
F 04/17/2015	167	163	4	98		5,571		98	3	97		4,178		
S 04/18/2015	153	155	4	97		5,104		91	3	97		3,828		
Su 04/19/2015	157	150	4	97		5,238		113	4	96		5,238		
M 04/20/2015	322	207	23	89		50,040	61,766	98	15	89	85	19,800 (a)	40,282	25
T 04/21/2015	218	145	5	97		9,091		72	3	96		5,454		
W 04/22/2015	185	131	3	98		4,629		95	4	96		6,172		10
Th 04/23/2015	166	129	3	98		4,153		85	2	98		2,769		
F 04/24/2015	160	108	3	97		4,003		91	2	98		2,669		
S 04/25/2015	168	148	3	98		4,203		120	4	97		5,604		
Su 04/26/2015	161	107	4	96		5,371		87	3	97		4,028		
M 04/27/2015	160	169	6	96		8,006		99	5	95		6,672		13
T 04/28/2015	156	208	3	99		3,903		97	3	97		3,903		
W 04/29/2015	154	177	3	98		3,853		88	3	97		3,853		11
Th 04/30/2015	155	144	3	98		3,878		115	3	97		3,878		
F 05/01/2015	154	168	4	98		5,145		104	4	96		5,145		
S 05/02/2015	154	205	5	98		6,411		111	4	96		5,129		

TOTAL	5,126	4,619	152					2,934	133					
AVERAGE	171	154	5	97		7,618		98	4	96		6,078		16

Wk1		160	5			7,373		95	5			6,573		
Wk2	160	157	5			7,265		101	5			6,447		
Wk3	197	146	6			11,622		96	5			6,815 (a)		
Wk4	156	168	4			5,224		100	4			4,658		

MAX	322
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CBOD 20 LBS----	25,478
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060
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	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - APRIL 2015

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
W	04/01/2015	166		7.0		6.0		0.08	19
Th	04/02/2015	168		7.0		6.3		0.16	14
F	04/03/2015	174		7.0		6.9		0.13	4
S	04/04/2015	168		7.0		6.2		0.10	8
Su	04/05/2015	163		6.9		7.4		0.08	6
M	04/06/2015	163		7.0		5.4		0.08	31
T	04/07/2015	186		7.0		5.1		0.05	28
W	04/08/2015	165		7.0		6.7		0.06	15
Th	04/09/2015	166		6.9		6.9		0.07	3
F	04/10/2015	165		7.0		6.3		0.07	10
S	04/11/2015	160		7.0		6.3		0.05	8
Su	04/12/2015	158		7.0		4.8		0.05	20
M	04/13/2015	157		7.0		4.9		0.05	276
T	04/14/2015	172		7.1		5.1		0.06	57
W	04/15/2015	153		7.0		5.4		0.11	6
Th	04/16/2015	160		7.0		5.7		0.08	18
F	04/17/2015	167		7.0		7.0		0.11	4
S	04/18/2015	153		6.9		5.4		0.05	20
Su	04/19/2015	157		7.0		5.0		0.05	365
M	04/20/2015	322		7.0		6.3		0.09	72
T	04/21/2015	218		7.0		6.6		0.17	20
W	04/22/2015	185		7.0		6.8		0.08	17
Th	04/23/2015	166		7.0		6.7		0.06	19
F	04/24/2015	160		7.0		5.9		0.12	1
S	04/25/2015	168		7.0		7.1		0.05	3
Su	04/26/2015	161		7.0		5.3		0.13	3
M	04/27/2015	160		7.0		5.2		0.07	4
T	04/28/2015	156		7.0		5.9		0.07	3
W	04/29/2015	154		7.0		5.9		0.10	10
Th	04/30/2015	155		7.0		5.9		0.09	67
Total		5,126	MIN	MAX	AVG		AVG		MEAN
Avg		171	6.9	7.1	6.0 4.8		0.08 0.17		13

Wk1
Wk2 160
Wk3 197
Wk4 156

MAX	322
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NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT SWWPCP - APRIL 2015

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
04/01/2015	24	132	180	120	128	135	76	85
04/02/2015	24	131	200	180	183	167	95	105
04/03/2015	24	137	204	160	166	152	105	111
04/04/2015	24	132	144	88	96	144	92	99
04/05/2015	25	127	184	160	163	171	98	109
04/06/2015	23	129	212	180	184	144	90	98
04/07/2015	24	148	184	200	198	117	93	96
04/08/2015	23	131	172	160	162	121	94	98
04/09/2015	24	130	172	124	131	138	95	101
04/10/2015	23	129	168	144	147	109	69	75
04/11/2015	23	124	180	128	136	127	84	90
04/12/2015	23	123	180	140	145	146	109	114
04/13/2015	22	124	200	156	162	123	83	89
04/14/2015	23	136	196	156	162	136	95	100
04/15/2015	22	120	192	128	136	140	94	101
04/16/2015	23	127	240	164	175	150	108	114
04/17/2015	23	132	160	164	163	150	90	98
04/18/2015	22	119	190	152	155	129	85	91
04/19/2015	23	122	164	148	150	141	108	113
04/20/2015	51	234	216	204	207	115	95	98
04/21/2015	35	165	120	152	145	89	69	72
04/22/2015	28	145	124	132	131	113	92	95
04/23/2015	27	127	136	128	129	106	81	85
04/24/2015	25	123	176	96	108	126	84	91
04/25/2015	25	130	128	152	148	135	117	120
04/26/2015	24	125	148	100	107	115	82	87
04/27/2015	24	124	176	168	169	127	94	99
04/28/2015	23	122	160	216	208	127	92	97
04/29/2015	23	121	160	180	177	125	81	88
04/30/2015	24	119	188	136	144	135	111	115
AVG	25	133	175	151	154	132	92	98

PERMIT

SWWPCP - APRIL 2015

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
04/01/2015	98	167	108	7	94%
04/02/2015		195			
04/03/2015	127	176	134	11	92%
04/04/2015		164			
04/05/2015		208			
04/06/2015	114	170	122	16	87%
04/07/2015		168			
04/08/2015	102	158	110	13	88%
04/09/2015		168			
04/10/2015		168			
04/11/2015		132			
04/12/2015		200			
04/13/2015	99	162	108	15	86%
04/14/2015		192			
04/15/2015	107	169	116	11	91%
04/16/2015		180			
04/17/2015		163			
04/18/2015		166			
04/19/2015		170			
04/20/2015	100	138	106	20	81%
04/21/2015		111			
04/22/2015	97	165	107	7	93%
04/23/2015		126			
04/24/2015		131			
04/25/2015		147			
04/26/2015		180			
04/27/2015	111	161	119	13	89%
04/28/2015		151			
04/29/2015	122	162	128	10	92%
04/30/2015		144			
AVG	108	163	116	12	89%

DESIGN - 200 MGD

SWWPCP - APRIL 2015						RAIN
DATE	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
04/01/2015	24	132	10	166	175	
04/02/2015	24	131	13	168	238	
04/03/2015	24	137	13	174	197	
04/04/2015	24	132	12	168	195	0.12
04/05/2015	25	127	11	163	170	T
04/06/2015	23	129	11	163	175	
04/07/2015	24	148	14	186	264	
04/08/2015	23	131	11	165	192	0.24
04/09/2015	24	130	12	166	200	0.03
04/10/2015	23	129	13	165	193	0.02
04/11/2015	23	124	13	160	185	0.07
04/12/2015	23	123	12	158	195	
04/13/2015	22	124	11	157	187	
04/14/2015	23	136	13	172	516	
04/15/2015	22	120	11	153	188	0.12
04/16/2015	23	127	10	160	198	
04/17/2015	23	132	12	167	226	
04/18/2015	22	119	12	153	192	0.15
04/19/2015	23	122	12	157	413	
04/20/2015	51	234	37	322	514	T
04/21/2015	35	165	18	218	328	2.01
04/22/2015	28	145	12	185	281	0.82
04/23/2015	27	127	12	166	192	T
04/24/2015	25	123	12	160	197	T
04/25/2015	25	130	13	168	194	
04/26/2015	24	125	12	161	188	
04/27/2015	24	124	12	160	182	
04/28/2015	23	122	11	156	173	
04/29/2015	23	121	10	154	181	
04/30/2015	24	119	12	155	177	
TOTAL	751	3,988	387	5,126		3.58
AVG	25	133	13	171		
		MIN		153	170	
		MAX		322	516	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF APRIL 2015

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
04/01/2015	0.447	0.389	14.10	23.20	0.233
04/08/2015	0.479	0.271	26.60	28.20	0.307
04/15/2015	< 0.500	0.520	25.80	26.20	0.493
04/22/2015	0.313	0.537	13.20	14.60	0.204
04/29/2015	0.473	0.399	24.70	24.70	0.336
AVG	0.435	0.429	19.93	23.05	0.309
MAX	0.479	0.537	26.60	28.20	0.493

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
04/08/2015		< 0.010	
04/09/2015	< 0.010		< 0.040

**Metals Data
(mg/L)**

Southwest WPCP - Outfall

Date	04/08/15
Copper	0.0070
Iron	0.3280
Iron Dissolved	0.3340
Lead	< 0.0030
Nickel	0.0060
Selenium	< 0.0030
Zinc	0.0330

Organics Data (mg/L)

Southwest WPCP - Outfall

	04/06/15
1,2-Dichloroethane	< 0.0050
Chloroform	< 0.0050
Tetrachloroethylene	< 0.0050
Trichloroethylene	< 0.0050

File Name: 201504SL
 Print Date: 05/27/2015

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP			
APRIL 2015	Sludge Flow To	Sludge Processed by		From SWWPCP	Sludge Flow To	Sludge Processed by	
	Biosolids Recycle Center / Synagro From NEWPCP	MGD	DT		Biosolids Recycle Center / Synagro From SWWPCP	MGD	DT
04/01/2015	0.913	0.629	58	1.240	0.981	75.4	
04/02/2015	0.863	0.730	60	0.699	0.985	73.3	
04/03/2015	0.871	1.264	119	1.029	0.813	74.9	
04/04/2015	0.887	0.735	61	1.672	1.461	131.8	
04/05/2015		0.125	11	1.154	1.661	132.8	
04/06/2015	1.764	1.805	142	0.659	0.413	33.1	
04/07/2015	0.899	0.886	67	1.594	1.762	192.7	
04/08/2015	0.910	0.850	69	1.146	0.707	52.4	
04/09/2015	0.923	0.812	76	0.581	0.913	91.8	
04/10/2015	0.898	0.720	64	2.109	1.849	151.5	
04/11/2015	0.899	1.246	100	1.256	1.539	120.4	
04/12/2015	0.910	0.942	75	0.937	1.346	98.8	
04/13/2015	0.860	0.838	70	1.328	1.048	70.0	
04/14/2015	0.901	0.913	80	1.143	1.044	88.0	
04/15/2015	0.923	0.749	55	1.296	1.048	79.0	
04/16/2015	0.882	0.888	76	0.715	0.478	41.2	
04/17/2015	0.888	1.057	94	0.777	1.181	92.3	
04/18/2015	0.959	0.941	77	1.982	1.704	122.0	
04/19/2015	0.945	0.950	81	0.762	0.945	58.2	
04/20/2015	0.867	0.798	65	1.235	0.856	64.6	
04/21/2015	0.853	0.418	32	1.014	1.561	113.0	
04/22/2015		0.129	14	0.738	0.771	62.1	
04/23/2015	0.856	1.231	144	0.697	0.648	52.7	
04/24/2015	0.900	0.054	4	2.001	1.922	205.2	
04/25/2015	0.874	1.614	176	1.171	1.040	89.7	
04/26/2015	0.951	1.066	91	0.993	1.215	96.9	
04/27/2015	0.950	0.950	82	0.820	0.898	97.3	
04/28/2015	0.937	0.924	69	0.933	0.838	76.9	
04/29/2015	0.876	0.881	76	0.888	0.596	55.0	
04/30/2015	0.893	0.074	7	1.315	1.316	121.5	
TOTAL				33.884	33.539	2,815	
AVERAGE				1.129	1.118	94	

**E2 Receipt**

Here is your report submission receipt. Click [here](#) to print.

Submission ID: 100391

Submitted on 6/26/2015 9:12:19 AM, at 170.115.248.22

Submitted by:

Mary Ellen Senss
PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
8200 Enterprise Avenue
PHILADELPHIA, PA 19153
215-685-4015
maryellen.senss@phila.gov

Report Detail

Facility Name	Monthly Discharge Monitoring Report PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
Permit Number	PA0026671
Report Frequency	Monthly
Report Period	05/01/2015 - 05/31/2015

Attachment Detail**Online Attachments**

- E-NPDES SW201505.xls
- BLSSW201505.xls
- SWCSO 201505.xls
- 201505SL.xls

Mail Attachments

Mail to Address:

Mail in the following attachment(s):

Thank you for using E2 system!

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for May 2015

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-05-01 To: 2015-05-31 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Dissolved Oxygen	Sample Measurement	*****	*****		3.6	4.7	*****		0	1/day	Grab
Parameter Code: 00300	Permit Requirement	*****	*****		Report Instantaneous Minimum	Report Average Monthly	*****	mg/L		1/day	Grab
Stage Code: 1											
pH	Sample Measurement	*****	*****		6.9	*****	7.1		0	1/day	Grab
Parameter Code: 00400	Permit Requirement	*****	*****		6.0 Instantaneous Minimum	*****	9.0 Instantaneous Maximum	S.U.		1/day	Grab
Stage Code: 1											
Total Suspended Solids	Sample Measurement	7354	7936		*****	6	6		0	1/day	24-Hr Composite
Parameter Code: 00530	Permit Requirement	50400 Average Monthly	75060 Weekly Average	lbs/day	*****	30 Average Monthly	45 Weekly Average	mg/L		1/day	24-Hr Composite
Stage Code: 1											
Ammonia-Nitrogen	Sample Measurement	*****	*****		*****	25.88	29.30		0	1/week	24-Hr Composite
Parameter Code: 00610	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Nitrite as N	Sample Measurement	*****	*****		*****	.262	.333		0	1/week	24-Hr Composite
Parameter Code: 00615	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Nitrate as N	Sample Measurement	*****	*****		*****	.336	.397		0	1/week	24-Hr Composite
Parameter Code: 00620	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Total Kjeldahl Nitrogen	Sample Measurement	*****	*****		*****	23.78	26.20		0	1/week	24-Hr Composite
Parameter Code: 00625	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No		Date
											2015-06-26

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 1

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-05-01 To: 2015-05-31 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Total Phosphorus	Sample Measurement	*****	*****		*****	.434	.593		0	1/week	24-Hr Composite
Parameter Code: 00665 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Total Copper	Sample Measurement	*****	*****		*****	.0100	*****		0	1/month	24-Hr Composite
Parameter Code: 01042 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Dissolved Iron	Sample Measurement	*****	*****		*****	.1260	*****		0	1/month	24-Hr Composite
Parameter Code: 01046 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Total Lead	Sample Measurement	*****	*****		*****	<.0030	*****		0	1/month	24-Hr Composite
Parameter Code: 01051 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Total Nickel	Sample Measurement	*****	*****		*****	.0040	*****		0	1/month	24-Hr Composite
Parameter Code: 01067 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Total Zinc	Sample Measurement	*****	*****		*****	.0360	*****		0	1/month	24-Hr Composite
Parameter Code: 01092 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Total Selenium	Sample Measurement	*****	*****		*****	<.0030	*****		0	1/month	24-Hr Composite
Parameter Code: 01147 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
										2015-06-26	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 2

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-05-01 To: 2015-05-31 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
1,2-Dichloroethane	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 32103 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Chloroform	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 32106 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Total Phenolics	Sample Measurement	*****	*****		*****	<.040	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 32730 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Tetrachloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 34475 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Trichloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 39180 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Flow (mgd)	Sample Measurement	153	170	MGD	*****	*****	*****		0	Continuous	Metered
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	Report Daily Maximum		*****	*****	*****			Continuous	Metered
Total Residual Chlorine (TRC)	Sample Measurement	*****	*****		*****	.10	.18	mg/L	0	1/day	Grab
Parameter Code: 50060 Stage Code: 1	Permit Requirement	*****	*****		*****	0.5 Average Monthly	1.0 Instantaneous Maximum			1/day	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
										2015-06-26	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 3

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-05-01 To: 2015-05-31 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Free Available Cyanide	Sample Measurement	*****	*****		*****	<.010	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 51173 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Fecal Coliform	Sample Measurement	*****	*****		*****	27	*****	CFU/100 mL	0	1/day	Grab
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	200 Geometric Mean	*****			1/day	Grab
CBOD5	Sample Measurement	5444	6248	lbs/day	*****	4	5	mg/L	0	1/day	24-Hr Composite
Parameter Code: 80082 Stage Code: 1	Permit Requirement	19800 Average Monthly	29700 Weekly Average		*****	25 Average Monthly	40 Weekly Average			1/day	24-Hr Composite
CBOD20	Sample Measurement	17611	*****	lbs/day	*****	*****	*****		0	2/week	24-Hr Composite
Parameter Code: 80087 Stage Code: 1	Permit Requirement	35830 Average Monthly	*****		*****	*****	*****			2/week	24-Hr Composite
CBOD5 % Removal	Sample Measurement	*****	*****		96	*****	*****	%	0	1/day	24-Hr Composite
	Parameter Code: 80091 Stage Code: K	Permit Requirement	*****		*****	89.25 Minimum Monthly % Removal	*****		*****		1/day
TSS % Removal	Sample Measurement	*****	*****		97	*****	*****	%	0	1/day	24-Hr Composite
	Parameter Code: 81011 Stage Code: K	Permit Requirement	*****		*****	85 Minimum Monthly % Removal	*****		*****		1/day
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
										2015-06-26	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 4

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 101 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-05-01 To: 2015-05-31 **NO DISCHARGE FROM SITE:** (X)
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
pH	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 00400 Stage Code: 1	Permit Requirement	*****	*****		Report Instantaneous Minimum	*****	Report Instantaneous Maximum	S.U.		Daily when Discharging	Grab
Flow (mgd)	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	*****	MGD	*****	*****	*****			1/discharge	Estimate
Fecal Coliform	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	*****	Report Instantaneous Maximum	CFU/100 mL		Daily when Discharging	Grab
Duration of Discharge	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 81381 Stage Code: 1	Permit Requirement	Report Average Monthly	*****	minutes	*****	*****	*****			1/discharge	Estimate
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-06-26		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 5

GENERAL REPORT COMMENT:

All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities.

PARAMETER SPECIFIC COMMENTS:

PERMIT

SWWPCP - MAY 2015

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			
F	05/01/2015	152	168	5	97	6,338		104	4	96		5,071		
S	05/02/2015	152	205	5	98	6,338		111	4	96		5,071		
Su	05/03/2015	152	172	4	98	5,071		118	3	97		3,803		
M	05/04/2015	152	231	6	97	7,606		109	7	94		8,874		20
T	05/05/2015	158	191	5	97	6,589		126	4	97		5,271		
W	05/06/2015	154	180	5	97	6,422		107	3	97		3,853		11
Th	05/07/2015	153	138	4	97	5,104		117	3	97		3,828		
F	05/08/2015	154	225	9	96	11,559		104	5	95		6,422		
S	05/09/2015	154	207	6	97	7,706		79	4	95		5,137		
Su	05/10/2015	157	180	4	98	5,238		116	4	97		5,238		
M	05/11/2015	162	181	6	97	8,106		118	6	95		8,106		20
T	05/12/2015	158	179	6	97	7,906		106	6	94		7,906		
W	05/13/2015	152	214	6	97	7,606		86	3	97		3,803		8
Th	05/14/2015	153	183	3	98	3,828		116	4	97		5,104		
F	05/15/2015	152	182	4	98	5,071		123	4	97		5,071		
S	05/16/2015	170	231	8	97	11,342		116	6	95		8,507		
Su	05/17/2015	151	140	8	94	10,075		101	7	93		8,815		
M	05/18/2015	157	224	13	94	17,022		79	6	92		7,856		9
T	05/19/2015	148	138	4	97	4,937		101	5	95		6,172		
W	05/20/2015	146	165	6	96	7,306		116	5	96		6,088		15
Th	05/21/2015	159	169	6	96	7,956		96	4	96		5,304		
F	05/22/2015	141	230	4	98	4,704		89	2	98		2,352		
S	05/23/2015	142	185	3	98	3,553		90	2	98		2,369		
Su	05/24/2015	135	155	4	97	4,504		113	3	97		3,378		
M	05/25/2015	148	127	5	96	6,172		117	4	97		4,937		14
T	05/26/2015	146	253	5	98	6,088		110	4	96		4,871		
W	05/27/2015	169	233	5	98	7,047		113	5	96		7,047		12
Th	05/28/2015	155	170	10	94	12,927		94	4	96		5,171		
F	05/29/2015	149	227	5	98	6,213		92	3	97		3,728		
S	05/30/2015	151	148	5	97	6,297		98	2	98		2,519		
Su	05/31/2015	170	183	8	96	11,342		117	5	96		7,089		

TOTAL	4,752	5,814	177					3,286	131					
AVERAGE	153	188	6	97		7,354		106	4	96		5,444		14

Wk1	154	192	6			7,151		109	4			5,313		
Wk2	158	193	5			7,014		112	5			6,248		
Wk3	149	179	6			7,936		96	4			5,565		
Wk4	150	187	6			7,035		105	4			4,521		

MAX	170
-----	-----

CBOD 20 LBS----	17,611
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060
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<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - MAY 2015

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
F	05/01/2015	152		7.1		5.7		0.14	13
S	05/02/2015	152		7.0		5.8		0.11	73
Su	05/03/2015	152		7.0		5.2		0.15	187
M	05/04/2015	152		7.0		4.7		0.05	21
T	05/05/2015	158		7.1		4.5	<	0.05	108
W	05/06/2015	154		7.0		3.9		0.11	52
Th	05/07/2015	153		7.0		5.7	<	0.05	19
F	05/08/2015	154		7.0		4.6		0.18	5
S	05/09/2015	154		7.0		5.6		0.13	3
Su	05/10/2015	157		7.0		4.4	<	0.05	5
M	05/11/2015	162		7.0		4.0		0.05	12
T	05/12/2015	158		7.0		4.1		0.07	127
W	05/13/2015	152		6.9		4.4		0.07	7
Th	05/14/2015	153		7.0		5.2		0.10	12
F	05/15/2015	152		7.0		4.4		0.07	35
S	05/16/2015	170		7.1		4.4		0.05	435
Su	05/17/2015	151		7.0		5.5		0.09	205
M	05/18/2015	157		7.0		4.3		0.09	101
T	05/19/2015	148		6.9		3.6		0.07	81
W	05/20/2015	146		7.0		3.7		0.09	26
Th	05/21/2015	159		7.0		5.0		0.12	19
F	05/22/2015	141		6.9		6.2	<	0.05	23
S	05/23/2015	142		7.0		3.8	<	0.05	13
Su	05/24/2015	135		7.0		4.3		0.09	8
M	05/25/2015	148		7.0		4.7		0.18	18
T	05/26/2015	146		7.0		4.6		0.09	48
W	05/27/2015	169		7.0		4.6		0.13	18
Th	05/28/2015	155		7.0		4.4		0.11	146
F	05/29/2015	149		7.0		4.7		0.12	31
S	05/30/2015	151		7.0		4.7		0.14	4
Su	05/31/2015	170		6.9		4.4		0.10	8
Total Avg		4,752 153	MIN 6.9	MAX 7.1	MIN 3.6	AVG 4.7	AVG 0.10	MAX 0.18	MEAN 27

Wk1 154
Wk2 158
Wk3 149
Wk4 150

MAX	170
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NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - MAY 2015

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
05/01/2015	22	118	144	172	168	114	102	104
05/02/2015	23	118	168	212	205	132	107	111
05/03/2015	23	118	172	172	172	180	107	118
05/04/2015	22	119	180	240	231	183	97	109
05/05/2015	26	121	208	188	191	150	121	126
05/06/2015	26	119	180	180	180	128	103	107
05/07/2015	26	117	168	132	138	135	113	117
05/08/2015	26	118	228	224	225	134	98	104
05/09/2015	26	117	204	208	207	125	70	79
05/10/2015	27	119	180	180	180	123	115	116
05/11/2015	31	120	200	176	181	141	113	118
05/12/2015	30	118	208	172	179	124	102	106
05/13/2015	27	116	280	200	214	120	79	86
05/14/2015	25	118	200	180	183	170	105	116
05/15/2015	25	116	192	180	182	135	121	123
05/16/2015	27	131	224	232	231	165	107	116
05/17/2015	25	116	160	136	140	138	94	101
05/18/2015	25	121	244	220	224	133	69	79
05/19/2015	24	114	168	132	138	96	102	101
05/20/2015	24	112	192	160	165	159	108	116
05/21/2015	24	124	152	172	169	138	89	96
05/22/2015	23	108	180	240	230	153	77	89
05/23/2015	23	109	172	188	185	150	78	90
05/24/2015	22	103	168	152	155	144	107	113
05/25/2015	24	113	184	116	127	165	108	117
05/26/2015	23	113	172	268	253	180	97	110
05/27/2015	24	133	212	236	233	138	109	113
05/28/2015	24	120	244	156	170	147	84	94
05/29/2015	23	116	180	236	227	150	82	92
05/30/2015	23	117	216	136	148	156	88	98
05/31/2015	25	131	224	176	183	150	111	117
AVG	25	118	194	186	188	144	99	106

PERMIT

SWWPCP - MAY 2015

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
05/01/2015		132			
05/02/2015		156			
05/03/2015		200			
05/04/2015	121	221	135	13	90%
05/05/2015		164			
05/06/2015	126	160	132	9	93%
05/07/2015		163			
05/08/2015		180			
05/09/2015		168			
05/10/2015		190			
05/11/2015	123	153	129	12	91%
05/12/2015		150			
05/13/2015	122	200	136	12	91%
05/14/2015		179			
05/15/2015		156			
05/16/2015		190			
05/17/2015		170			
05/18/2015	101	188	115	14	88%
05/19/2015		150			
05/20/2015	127	169	134	12	91%
05/21/2015		153			
05/22/2015		173			
05/23/2015		165			
05/24/2015		146			
05/25/2015	121	188	132	14	89%
05/26/2015		192			
05/27/2015	141	155	143	11	92%
05/28/2015		159			
05/29/2015		161			
05/30/2015		173			
05/31/2015		165			
AVG	123	170	132	12	91%

DESIGN - 200 MGD

SWWPCP - MAY 2015						RAIN
DATE	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
05/01/2015	22	118	12	152	192	
05/02/2015	23	118	11	152	187	
05/03/2015	23	118	11	152	178	
05/04/2015	22	119	11	152	180	
05/05/2015	26	121	11	158	183	
05/06/2015	26	119	9	154	186	
05/07/2015	26	117	10	153	181	T
05/08/2015	26	118	10	154	187	
05/09/2015	26	117	11	154	185	
05/10/2015	27	119	11	157	179	0.03
05/11/2015	31	120	11	162	177	T
05/12/2015	30	118	10	158	199	T
05/13/2015	27	116	9	152	178	T
05/14/2015	25	118	10	153	182	
05/15/2015	25	116	11	152	175	
05/16/2015	27	131	12	170	235	
05/17/2015	25	116	10	151	189	
05/18/2015	25	121	11	157	168	0.33
05/19/2015	24	114	10	148	177	0.01
05/20/2015	24	112	10	146	171	0.03
05/21/2015	24	124	11	159	244	0.01
05/22/2015	23	108	10	141	167	
05/23/2015	23	109	10	142	169	0.18
05/24/2015	22	103	10	135	167	
05/25/2015	24	113	11	148	176	
05/26/2015	23	113	10	146	184	
05/27/2015	24	133	12	169	316	
05/28/2015	24	120	11	155	200	0.60
05/29/2015	23	116	10	149	179	T
05/30/2015	23	117	11	151	191	
05/31/2015	25	131	14	170	389	
TOTAL	768	3,653	331	4,752		1.19
AVG	25	118	11	153		
		MIN		135	167	
		MAX		170	389	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF MAY 2015

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
05/06/2015	0.333	0.397	29.30	23.50	0.342
05/13/2015	0.172	0.370	27.50	26.20	0.593
05/20/2015	0.242	0.268	23.50	24.60	0.425
05/27/2015	0.301	0.310	23.20	20.80	0.376
 AVG	0.262	0.336	25.88	23.78	0.434
MAX	0.333	0.397	29.30	26.20	0.593

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
05/06/2015		0.010	
05/07/2015	< 0.010		< 0.040

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	05/06/2015
Copper	0.0100
Iron	0.2250
Iron Dissolved	0.1260
Lead	< 0.0030
Nickel	0.0040
Selenium	< 0.0030
Zinc	0.0360

Organics Data (mg/L)

Southwest WPCP - Outfall

	05/04/2015
1,2-Dichloroethane	< 0.0050
Chloroform	< 0.0050
Tetrachloroethylene	< 0.0050
Trichloroethylene	< 0.0050

File Name: 201505SL
 Print Date: 06/18/2015

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP		
MAY 2015	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	
05/01/2015	0.922	1.515	105	1.173	1.290	112.5
05/02/2015	0.940	1.170	131	0.851	1.103	94.6
05/03/2015	0.916	0.921	85	0.887	0.965	74.0
05/04/2015	0.948	0.953	69	1.318	1.235	96.5
05/05/2015	0.928	0.918	74	1.210	1.397	104.2
05/06/2015	0.924	0.494	42	1.028	0.596	53.0
05/07/2015	0.916	1.109	95	1.094	1.263	127.6
05/08/2015	0.910	1.148	102	1.126	1.094	94.1
05/09/2015	0.825	0.825	87	1.332	1.446	125.3
05/10/2015	0.893	0.689	60	0.956	0.618	49.5
05/11/2015	0.926	0.899	74	1.038	1.242	109.1
05/12/2015	0.914	1.153	117	1.043	1.345	101.5
05/13/2015	0.920	0.074	6	0.344	0.000	-0.3
05/14/2015	0.934	1.263	94	0.000	0.000	0.0
05/15/2015	0.932	0.557	40	1.902	2.065	177.3
05/16/2015	0.941	1.815	164	0.151	0.234	21.7
05/17/2015	0.877	0.871	76	1.655	1.230	96.9
05/18/2015	0.894	0.089	4	1.580	1.671	125.1
05/19/2015	0.888	0.906	66	0.699	0.908	76.6
05/20/2015	0.000	0.796	56	1.818	1.673	144.2
05/21/2015	1.794	1.662	156	0.952	0.693	57.7
05/22/2015	0.937	0.432	37	1.804	2.026	187.1
05/23/2015	0.915	1.110	86	1.013	1.054	76.0
05/24/2015	0.923	0.769	60	1.222	1.311	111.6
05/25/2015	0.913	1.513	116	0.855	0.908	73.4
05/26/2015	0.795	0.347	27	0.949	1.015	83.9
05/27/2015	0.893	0.413	31	0.796	0.709	54.5
05/28/2015	0.000	0.362	30	1.461	1.401	153.7
05/29/2015	0.902	1.171	113	1.026	0.989	89.7
05/30/2015	0.920	1.130	110	0.997	1.043	82.4
05/31/2015	0.916	0.815	67	0.717	0.474	36.9
TOTAL	27.256	27.889	2,380	32.997	32.998	2,790
AVERAGE	0.879	0.900	77	1.064	1.064	90

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

SW Outfall Monthly Composite

Report Date: 06/08/2015

WW150506-026

Composite 05/06/2015 07:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Mercury ^{B,D}	EPA 245.1	5/11/2015	11:39	5/12/2015	8:01	<0.00020 ^E	mg/L	0.00020	mg/L

Data Qualifiers:

Mercury	The RPD between sample and dup is 65. The allowable max is 20. This is from the result of one or both determinations was less than five times the LOQ.
---------	--------------------------------------------------------------------------------------------------------------------------------------------------------

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: 6/8/2015

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: 06/08/2015

WW150506-029

Composite 05/06/2015 07:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
PCBs Total ^{B,D}	EPA 608	5/12/2015	15:00	5/13/2015	22:59	<0.42 ^E	µg/L	0.42	µg/L

Data Qualifiers:

PCBs Total	The recovery of one of the method blank surrogates, Decachlorobiphenyl, is 34% which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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

6/8/2015

**E2 Receipt**

Here is your report submission receipt. Click [here](#) to print.

Submission ID: 102317

Submitted on 7/24/2015 12:21:02 PM, at 170.115.248.22

Submitted by:

Mary Ellen Senss
PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
1101 Market St.
PHILADELPHIA, PA 19107
215-685-6258
maryellen.senss@phila.gov

Report Detail

Facility Name	Monthly Discharge Monitoring Report PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
Permit Number	PA0026671
Report Frequency	Monthly
Report Period	06/01/2015 - 06/30/2015

Attachment Detail**Online Attachments**

- E-NPDES SW201506.xls
- BLSSW201506.xls
- SWCSO 201506.xls
- 201505SL-June-15.xls

Mail Attachments

Mail to Address:

Mail in the following attachment(s):

Thank you for using E2 system!

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for June 2015

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET
 MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-06-01 To: 2015-06-30 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Dissolved Oxygen	Sample Measurement	*****	*****		3.7	4.8	*****	mg/L	0	1/day	Grab
Parameter Code: 00300	Permit Requirement	*****	*****		Report Instantaneous Minimum	Report Average Monthly	*****			1/day	Grab
Stage Code: 1											
pH	Sample Measurement	*****	*****		6.9	*****	7.2	S.U.	0	1/day	Grab
Parameter Code: 00400	Permit Requirement	*****	*****		6.0 Instantaneous Minimum	*****	9.0 Instantaneous Maximum			1/day	Grab
Stage Code: 1											
Total Suspended Solids	Sample Measurement	9137	10929	lbs/day	*****	6	8	mg/L	0	1/day	24-Hr Composite
Parameter Code: 00530	Permit Requirement	50400 Average Monthly	75060 Weekly Average		*****	30 Average Monthly	45 Weekly Average			1/day	24-Hr Composite
Stage Code: 1											
Ammonia-Nitrogen	Sample Measurement	*****	*****		*****	18.22	19.70	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00610	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Nitrite as N	Sample Measurement	*****	*****		*****	.410	.543	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00615	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Nitrate as N	Sample Measurement	*****	*****		*****	.285	.383	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00620	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Total Kjeldahl Nitrogen	Sample Measurement	*****	*****		*****	20.50	21.90	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00625	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-07-24		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 1

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-06-01 To: 2015-06-30 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Total Phosphorus	Sample Measurement	*****	*****		*****	.331	.461		0	1/week	24-Hr Composite
Parameter Code: 00665	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Total Copper	Sample Measurement	*****	*****		*****	.0070	*****		0	3/month	24-Hr Composite
Parameter Code: 01042	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Dissolved Iron	Sample Measurement	*****	*****		*****	.0637	*****		0	3/month	24-Hr Composite
Parameter Code: 01046	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Lead	Sample Measurement	*****	*****		*****	<.0030	*****		0	3/month	24-Hr Composite
Parameter Code: 01051	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Nickel	Sample Measurement	*****	*****		*****	.0040	*****		0	3/month	24-Hr Composite
Parameter Code: 01067	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Zinc	Sample Measurement	*****	*****		*****	<.0250	*****		0	3/month	24-Hr Composite
Parameter Code: 01092	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Selenium	Sample Measurement	*****	*****		*****	<.0030	*****		0	3/month	24-Hr Composite
Parameter Code: 01147	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
										2015-07-24	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 2

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-06-01 To: 2015-06-30 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
1,2-Dichloroethane	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	5/month	Grab
Parameter Code: 32103 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Chloroform	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	5/month	Grab
Parameter Code: 32106 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Total Phenolics	Sample Measurement	*****	*****		*****	<.040	*****	mg/L	0	3/month	24-Hr Composite
Parameter Code: 32730 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Tetrachloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	5/month	Grab
Parameter Code: 34475 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Trichloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	5/month	Grab
Parameter Code: 39180 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Flow (mgd)	Sample Measurement	172	295		*****	*****	*****		0	Continuous	Metered
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	Report Daily Maximum	MGD	*****	*****	*****			Continuous	Metered
Total Residual Chlorine (TRC)	Sample Measurement	*****	*****		*****	.12	.29	mg/L	0	1/day	Grab
Parameter Code: 50060 Stage Code: 1	Permit Requirement	*****	*****		*****	0.5 Average Monthly	1.0 Instantaneous Maximum			1/day	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
										2015-07-24	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 3

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-06-01 To: 2015-06-30 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Free Available Cyanide	Sample Measurement	*****	*****		*****	<.010	*****	mg/L	0	3/month	24-Hr Composite
Parameter Code: 51173 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Fecal Coliform	Sample Measurement	*****	*****		*****	29	*****	CFU/100 mL	0	1/day	Grab
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	200 Geometric Mean	*****			1/day	Grab
CBOD5	Sample Measurement	5776	6296	lbs/day	*****	4	5	mg/L	0	1/day	24-Hr Composite
Parameter Code: 80082 Stage Code: 1	Permit Requirement	19800 Average Monthly	29700 Weekly Average		*****	25 Average Monthly	40 Weekly Average			1/day	24-Hr Composite
CBOD20	Sample Measurement	17821	*****	lbs/day	*****	*****	*****		0	2/week	24-Hr Composite
Parameter Code: 80087 Stage Code: 1	Permit Requirement	35830 Average Monthly	*****		*****	*****	*****			2/week	24-Hr Composite
CBOD5 % Removal	Sample Measurement	*****	*****		95	*****	*****	%	0	1/day	24-Hr Composite
	Parameter Code: 80091 Stage Code: K	Permit Requirement	*****		*****	89.25 Minimum Monthly % Removal	*****		*****		1/day
TSS % Removal	Sample Measurement	*****	*****		96	*****	*****	%	0	1/day	24-Hr Composite
	Parameter Code: 81011 Stage Code: K	Permit Requirement	*****		*****	85 Minimum Monthly % Removal	*****		*****		1/day
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
										2015-07-24	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 4

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 101 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-06-01 To: 2015-06-30 **NO DISCHARGE FROM SITE:** (X)
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
pH	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 00400 Stage Code: 1	Permit Requirement	*****	*****		Report Instantaneous Minimum	*****	Report Instantaneous Maximum	S.U.		Daily when Discharging	Grab
Flow (mgd)	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	*****	MGD	*****	*****	*****			1/discharge	Estimate
Fecal Coliform	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	*****	Report Instantaneous Maximum	CFU/100 mL		Daily when Discharging	Grab
Duration of Discharge	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 81381 Stage Code: 1	Permit Requirement	Report Average Monthly	*****	minutes	*****	*****	*****			1/discharge	Estimate
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-07-24		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 5

GENERAL REPORT COMMENT:

All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities.

PARAMETER SPECIFIC COMMENTS:

345780	1,2-Dichloroethane	Sample Frequency:	6/month
345780	Chloroform	Sample Frequency:	6/month
345780	Tetrachloroethylene	Sample Frequency:	6/month
345780	Trichloroethylene	Sample Frequency:	6/month

PERMIT

SWWPCP - JUNE 2015

COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
SU 05/31/2015	170	183	8	96		11,342		117	5	96		7,089		
M 06/01/2015	295	173	13	92		31,984		66	9	86		22,143		20
T 06/02/2015	224	103	4	96		7,473		70	2	97		3,736		
W 06/03/2015	144	117	5	96		6,005		71	2	97		2,402		7
Th 06/04/2015	144	242	4	98		4,804		103	1	99		1,201		
F 06/05/2015	147	185	4	98		4,904		92	3	97		3,678		
S 06/06/2015	146	200	5	98		6,088		101	2	98		2,435		
Su 06/07/2015	141	200	10	95		11,759		107	3	97		3,528		
M 06/08/2015	201	189	15	92		25,145		93	6	94		10,058		16
T 06/09/2015	153	166	7	96		8,932		86	4	95		5,104		
W 06/10/2015	143	153	4	97		4,770		97	3	97		3,578		11
Th 06/11/2015	144	223	6	97		7,206		119	4	97		4,804		
F 06/12/2015	144	147	7	95		8,407		115	6	95		7,206		
S 06/13/2015	137	162	9	94		10,283		118	6	95		6,855		
Su 06/14/2015	160	203	8	96		10,675		105	6	94		8,006		
M 06/15/2015	153	199	10	95		12,760		97	7	93		8,932		11
T 06/16/2015	138	168	3	98		3,453		99	2	98		2,302		
W 06/17/2015	143	205	4	98		4,770		111	4	96		4,770		7
Th 06/18/2015	200	168	6	96		10,008		66	3	95		5,004		
F 06/19/2015	151	171	10	94		12,593		106	3	97		3,778		
S 06/20/2015	195	174	6	97		9,758		78	4	95		6,505		
Su 06/21/2015	172	118	4	97		5,738		75	2	97		2,869		
M 06/22/2015	147	99	4	96		4,904		89	3	97		3,678		11
T 06/23/2015	173	183	3	98		4,328		97	3	97		4,328		
W 06/24/2015	144	108	5	95		6,005		85	3	96		3,603		8
Th 06/25/2015	166	157	8	95		11,076		81	8	90		11,076		
F 06/26/2015	160	143	3	98		4,003		105	5	95		6,672		
S 06/27/2015	284	85	6	93		14,211		52	5	90		11,843		
Su 06/28/2015	191	89	2	98		3,186		67	3	96		4,779		
M 06/29/2015	152	143	4	97		5,071		86	3	97		3,803		
T 06/30/2015	276	191	6	97		13,811		56	2	96		4,604		

TOTAL	5,168	4,862	185					2,693	117					
AVERAGE	172	162	6	96		9,137		90	4	95		5,776		11

Wk1	181	172	6			10,371		89	3			6,098		
Wk2	152	177	8			10,929		105	5			5,876		
Wk3	163	184	7			9,145		94	4			5,614		
Wk4	178	127	5			7,181		83	4			6,296		

MAX 295

CBOD 20 LBS---- 17,821

NPDES/ MO <30 >85 <50,400 <25 >89.25 <19,800
LIMIT WK <45 <75,060 <40 <29,700

CBOD 20 MO LIMIT---- <35,830

* ACTUAL PERCENT 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

SWWPCP - JUNE 2015

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
M	06/01/2015	295	7.0		3.7		0.18		276
T	06/02/2015	224	6.9		4.7		0.29		26
W	06/03/2015	144	7.0		4.3		0.17		12
Th	06/04/2015	144	7.0		3.9		0.09		3
F	06/05/2015	147	7.0		4.5		0.15		15
S	06/06/2015	146	7.0		5.1		0.07		17
Su	06/07/2015	141	7.0		5.8		0.06		7
M	06/08/2015	201	7.0		5.7		0.15		5
T	06/09/2015	153	7.0		5.8		0.08		165
W	06/10/2015	143	7.0		4.8		<	0.05	20
Th	06/11/2015	144	7.0		4.7		0.17		4
F	06/12/2015	144	7.0		4.3		0.17		19
S	06/13/2015	137	7.0		4.5		0.12		205
Su	06/14/2015	160	7.0		4.6		0.15		86
M	06/15/2015	153	7.0		3.7		0.08		1,414
T	06/16/2015	138	7.0		5.5		<	0.05	23
W	06/17/2015	143	7.1		4.6		0.15		6
Th	06/18/2015	200	6.9		5.6		0.09		517
F	06/19/2015	151	7.0		5.0		0.11		32
S	06/20/2015	195	7.0		5.3		0.07		23
Su	06/21/2015	172	7.0		5.3		0.12		219
M	06/22/2015	147	7.1		5.6		<	0.05	11
T	06/23/2015	173	7.0		4.6		0.13		13
W	06/24/2015	144	7.2		4.5		0.09		24
Th	06/25/2015	166	7.0		4.7		0.10		7
F	06/26/2015	160	7.0		4.7		0.12		35
S	06/27/2015	284	7.0		4.3		0.09		18
Su	06/28/2015	191	6.9		5.1		0.26		20
M	06/29/2015	152	7.0		4.8		0.16		52
T	06/30/2015	276	7.0		4.7		0.05		37
Total Avg		5,168 172	MIN 6.9	MAX 7.2	MIN 3.7	AVG 4.8	AVG 0.12	MAX 0.29	MEAN 29

Wk1 181
Wk2 152
Wk3 163
Wk4 178

MAX	295
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NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT SWWPCP - JUNE 2015

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
06/01/2015	36	229	208	168	173	110	60	66
06/02/2015	27	178	152	96	103	102	66	70
06/03/2015	22	111	164	108	117	124	62	71
06/04/2015	21	112	160	256	242	137	97	103
06/05/2015	21	114	188	184	185	144	83	92
06/06/2015	21	113	202	200	200	140	94	101
06/07/2015	21	108	244	192	200	150	100	107
06/08/2015	24	159	224	184	189	142	86	93
06/09/2015	22	118	180	164	166	127	79	86
06/10/2015	21	112	160	152	153	141	90	97
06/11/2015	21	112	240	220	223	177	109	119
06/12/2015	20	112	164	144	147	150	109	115
06/13/2015	19	107	176	160	162	158	111	118
06/14/2015	20	129	196	204	203	150	98	105
06/15/2015	20	121	192	200	199	138	91	97
06/16/2015	19	109	168	168	168	134	93	99
06/17/2015	20	119	184	208	205	158	103	111
06/18/2015	25	159	220	160	168	125	58	66
06/19/2015	20	119	164	172	171	122	103	106
06/20/2015	24	153	192	172	174	138	70	78
06/21/2015	24	134	132	116	118	124	67	75
06/22/2015	21	115	164	88	99	141	80	89
06/23/2015	22	136	200	180	183	150	89	97
06/24/2015	20	113	132	104	108	125	79	85
06/25/2015	21	132	192	152	157	135	73	81
06/26/2015	20	129	160	140	143	127	102	105
06/27/2015	43	209	112	80	85	110	42	52
06/28/2015	30	145	116	84	89	90	63	67
06/29/2015	24	118	160	140	143	110	82	86
06/30/2015	44	185	188	192	191	90	50	56
AVG	24	134	178	160	162	132	83	90

PERMIT

SWWPCP - JUNE 2015

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
06/01/2015	66	139	75	19	75%
06/02/2015		106			
06/03/2015	95	150	103	8	92%
06/04/2015		152			
06/05/2015		153			
06/06/2015		178			
06/07/2015		174			
06/08/2015	94	155	101	18	82%
06/09/2015		144			
06/10/2015	106	171	116	10	91%
06/11/2015		185			
06/12/2015		170			
06/13/2015		173			
06/14/2015		178			
06/15/2015	112	158	118	16	86%
06/16/2015		161			
06/17/2015	118	177	126	16	87%
06/18/2015		192			
06/19/2015		133			
06/20/2015		150			
06/21/2015		134			
06/22/2015	82	151	92	10	89%
06/23/2015		160			
06/24/2015		141			
06/25/2015		184			
06/26/2015		135			
06/27/2015		121			
06/28/2015		109			
06/29/2015		120			
06/30/2015		105			
AVG	96	152	104	14	86%

DESIGN - 200 MGD

	SWWPCP - JUNE 2015					
DATE	TRIPLE				PEAK FLOW	RAIN
	Delcora	GRAVITY/HLL	LLE	SW TOTAL		
06/01/2015	36	229	30	295	454	1.96
06/02/2015	27	178	19	224	334	0.30
06/03/2015	22	111	11	144	174	0.01
06/04/2015	21	112	11	144	165	T
06/05/2015	21	114	12	147	187	0.13
06/06/2015	21	113	12	146	213	0.05
06/07/2015	21	108	12	141	167	
06/08/2015	24	159	18	201	403	0.88
06/09/2015	22	118	13	153	186	0.02
06/10/2015	21	112	10	143	166	
06/11/2015	21	112	11	144	168	
06/12/2015	20	112	12	144	163	
06/13/2015	19	107	11	137	164	
06/14/2015	20	129	11	160	181	0.09
06/15/2015	20	121	12	153	165	T
06/16/2015	19	109	10	138	165	T
06/17/2015	20	119	4	143	410	T
06/18/2015	25	159	16	200	386	0.65
06/19/2015	20	119	12	151	203	0.27
06/20/2015	24	153	18	195	403	0.48
06/21/2015	24	134	14	172	361	0.30
06/22/2015	21	115	11	147	169	
06/23/2015	22	136	15	173	375	0.55
06/24/2015	20	113	11	144	172	
06/25/2015	21	132	13	166	292	0.13
06/26/2015	20	129	11	160	229	T
06/27/2015	43	209	32	284	512	1.34
06/28/2015	30	145	16	191	340	0.22
06/29/2015	24	118	10	152	186	
06/30/2015	44	185	47	276	468	1.50
TOTAL AVG	713	4,010	445	5,168		8.88
	24	134	15	172		
	MIN			137	163	
	MAX			295	512	

Central Laboratory

	NO2 - N	NO3 - N	NH3 - N	TKN	P
06/03/2015	0.361	0.393	15.40	16.90	0.194
06/10/2015	0.306	0.257	17.60	20.40	0.416
06/12/2015	0.330	< 0.250	19.70	21.90	0.401
06/17/2015	0.490	< 0.250	19.70	21.80	0.180
06/19/2015	0.430	< 0.250	17.90	20.30	0.461
06/24/2015	0.543	0.309	19.00	21.70	0.332
AVG	0.410	0.285	18.22	20.50	0.331
MAX	0.543	0.393	19.70	21.90	0.461

	Total Cyanide		Free Cyanide	Phenolics		
06/03/2015	<	0.010				
06/15/2015			<	0.010	<	0.040
06/17/2015			<	0.010	<	0.040
06/19/2015			<	0.010	<	0.040
AVG	<	0.010	<	0.010	<	0.040

Date	06/15/2015	06/17/15	06/19/15	AVG
Copper	0.0070	0.0070	0.0070	0.0070
Iron Total	0.2490	0.1380	0.3360	0.2410
Iron Dissolved	0.0600	0.0530	0.0780	0.0637
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Nickel	0.0040	0.0050	0.0030	0.0040
Selenium	0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	< 0.0250	< 0.0250	< 0.0250	< 0.0250

		6/14/2015		6/15/2015		6/16/2015		6/17/2015		6/18/2015		6/19/2015		AVG
1,2-Dichloroethane	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050		0.0050	<	0.0050
alpha-Endosulfan			<	0.0000100			<	0.0000100				0.0000100	<	0.0000100
Benzidine			<	0.0570			<	0.0560			<	0.0570	<	0.0567
beta-BHC			<	0.0000100			<	0.0000100			<	0.0000100	<	0.0000100
Chlordane			<	0.0004200			<	0.0004100			<	0.0004000	<	0.0004100
Chloroform	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050		0.0050	<	0.0050
Dieldrin			<	0.0000200			<	0.0000200			<	0.0000200	<	0.0000200
Heptachlor			<	0.0000100			<	0.0000100			<	0.0000100	<	0.0000100
Lindane (Gamma-BHC)			<	0.0000100			<	0.0000100			<	0.0000100	<	0.0000100
p,p'-DDD			<	0.0000200			<	0.0000200			<	0.0000200	<	0.0000200
p,p'-DDE			<	0.0000200			<	0.0000200			<	0.0000200	<	0.0000200
p,p'-DDT			<	0.0000200			<	0.0000200			<	0.0000200	<	0.0000200
Tetrachloroethylene	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050		0.0050	<	0.0050
Trichloroethylene	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050		0.0050	<	0.0050

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JUNE 2015

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

6/19/2015

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic		1
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic		2

File Name: 201506SL
 Print Date: 07/23/2015

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP				
JUNE 2015	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT		
	Biosolids Recycle Center / Synagro			Biosolids Recycle Center / Synagro				
	From NEWPCP MGD	MGD			From SWWPCP MGD		MGD	
06/01/2015	0.918	1.133	105	1.318	1.309	103.6		
06/02/2015	0.932	0.915	92	1.185	1.284	116.8		
06/03/2015	0.912	0.724	67	0.697	0.503	54.5		
06/04/2015	0.917	0.972	115		0.251	22.6		
06/05/2015	0.922	0.831	76	1.052	1.073	97.9		
06/06/2015		0.236	24	1.645	1.628	197.8		
06/07/2015	0.920	0.911	87	1.048	1.208	113.5		
06/08/2015	0.920	0.915	82	0.986	1.069	105.7		
06/09/2015	0.941	0.972	91	1.376	0.850	79.2		
06/10/2015	0.904	0.332	29		0.533	63.0		
06/11/2015	0.895	1.462	132		0.024	1.8		
06/12/2015	0.914	0.767	67	1.916	1.559	222.5		
06/13/2015		0.096	9	1.072	1.652	155.0		
06/14/2015	0.935	0.985	97	0.870	0.369	32.6		
06/15/2015	0.937	0.869	79	1.169	0.812	71.5		
06/16/2015	0.923	0.909	82		0.009			
06/17/2015	0.922	0.793	63	1.111	1.372	202.1		
06/18/2015	0.919	0.334	29	0.776	0.868	88.2		
06/19/2015	0.936	1.330	128	1.062	0.912	89.1		
06/20/2015	0.917	0.912	87	0.868	1.274	112.8		
06/21/2015		0.404	43	1.805	1.517	142.4		
06/22/2015	0.924	0.799	78	0.918	0.917	95.0		
06/23/2015	0.914	0.652	71	0.841	0.677	61.7		
06/24/2015	0.919	1.052	117	0.092	0.399	44.2		
06/25/2015	0.935	1.096	91	1.465	1.322	126.0		
06/26/2015	0.919	0.668	62	1.335	1.382	169.3		
06/27/2015	0.908	1.173	121	1.005	0.965	99.2		
06/28/2015	0.909	0.959	94	0.850	1.090	145.1		
06/29/2015	0.962	0.477	45	0.804	0.746	77.2		
06/30/2015		0.485	39	0.807	0.624	54.5		
TOTAL	23.973	24.166	2,303	28.072	28.195	2,945		
AVERAGE	0.922	0.806	77	1.080	0.940	102		

**E2 Receipt**

Here is your report submission receipt. Click [here](#) to print.

Submission ID: 102501

Submitted on 7/27/2015 9:39:25 AM, at 170.115.248.22

Submitted by:

Mary Ellen Senss
PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
1101 Market St.
PHILADELPHIA, PA 19107
215-685-6258
maryellen.senss@phila.gov

Report Detail

Facility Name	Monthly Discharge Monitoring Report
Permit Number	PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
Report Frequency	PA0026671
Report Period	Quarterly
	04/01/2015 - 06/30/2015

Attachment Detail**Online Attachments**

- BLSSW201506.xls

Mail Attachments

Mail to Address:

Mail in the following attachment(s):

Thank you for using E2 system!

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-04-01 **NO DISCHARGE**
ADDRESS: 19107-2994 **TO:** 2015-06-30 **FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
alpha-Endosulfan	Sample Measurement	*****	*****		*****	<.0000100	*****	mg/L	0	1/quarter	24-Hr Composite
Parameter Code: 34361 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Benzidine	Sample Measurement	*****	*****		*****	<.0567	*****	mg/L	0	1/quarter	Grab
Parameter Code: 39120 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	Grab
4,4-DDT	Sample Measurement	*****	*****		*****	<.0000200	*****	mg/L	0	1/quarter	24-Hr Composite
Parameter Code: 39300 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
4,4-DDD	Sample Measurement	*****	*****		*****	<.0000200	*****	mg/L	0	1/quarter	24-Hr Composite
Parameter Code: 39310 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
4,4-DDE	Sample Measurement	*****	*****		*****	<.0000200	*****	mg/L	0	1/quarter	24-Hr Composite
Parameter Code: 39320 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
beta-BHC	Sample Measurement	*****	*****		*****	<.0000100	*****	mg/L	0	1/quarter	24-Hr Composite
Parameter Code: 39338 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
gamma-BHC	Sample Measurement	*****	*****		*****	<.0000100	*****	mg/L	0	1/quarter	24-Hr Composite
Parameter Code: 39344 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).					Signature of Principal Executive Officer Or Authorized Agent		Telephone No		Date	
										2015-07-27	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 1

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-04-01 To: 2015-06-30 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Dieldrin Parameter Code: 39380 Stage Code: 1	Sample Measurement	*****	*****		*****	<.0000200	*****	mg/L	0	1/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Heptachlor Parameter Code: 39410 Stage Code: 1	Sample Measurement	*****	*****		*****	<.0000100	*****	mg/L	0	1/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Chlordane Parameter Code: 51032 Stage Code: 1	Sample Measurement	*****	*****		*****	<.0004100	*****	mg/L	0	1/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Acute toxicity (Ceriodaphnia) Parameter Code: 61425 Stage Code: 1	Sample Measurement	*****	*****		*****	*****	<1	TUa	0	1/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	*****	Report Daily Maximum			1/quarter	24-Hr Composite
Chronic toxicity (Ceriodaphnia) Parameter Code: 61426 Stage Code: 1	Sample Measurement	*****	*****		*****	*****	1	TUc	0	1/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	*****	Report Daily Maximum			1/quarter	24-Hr Composite
Acute toxicity (Pimephales) Parameter Code: 61427 Stage Code: 1	Sample Measurement	*****	*****		*****	*****	<1	TUa	0	1/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	*****	Report Daily Maximum			1/quarter	24-Hr Composite
Chronic toxicity (Pimephales) Parameter Code: 61428 Stage Code: 1	Sample Measurement	*****	*****		*****	*****	2	TUc	0	1/quarter	24-Hr Composite
	Permit Requirement	*****	*****		*****	*****	Report Daily Maximum			1/quarter	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent		I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).					Signature of Principal Executive Officer Or Authorized Agent		Telephone No		Date
											2015-07-27

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 2

GENERAL REPORT COMMENT:
Quarterly NPDES data as required.

PARAMETER SPECIFIC COMMENTS:

Central Laboratory

[illegible]

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JUNE 2015

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

6/19/2015

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic		1
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

SW WET Testing Composite

Report Date: 07/03/2015

WW150617-027

Composite 24h 06/17/2015 06:30

Parameter	Analytical Method	Sample Preparation	Sample Preparation	Sample Analysis Date	Sample Analysis	Analysis Result	Units	Quantitation Limit	Units
2-Chloronaphthalene ^B	EPA 625	6/19/2015	4:00	6/20/2015	17:37	<5.00 ^D	µg/L	5	µg/L
4-Nitrophenol ^B	EPA 625	6/19/2015	4:00	6/20/2015	17:37	<14.00 ^D	µg/L	14	µg/L

Data Qualifiers:

2-Chloronaphthalene	The recovery of the LCSD is 139% which is outside the acceptance limits of 59-138%.
4-Nitrophenol	The recovery of the LCS is 78% and the LCSD is 78%, which are outside the acceptance limits of 20-73%.

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:

7/9/2015

**E2 Receipt**

Here is your report submission receipt. Click [here](#) to print.

Submission ID: 104432

Submitted on 8/26/2015 10:12:29 AM, at 170.115.248.22

Submitted by:

Mary Ellen Senss
PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
1101 Market St.
PHILADELPHIA, PA 19107
215-685-6258
maryellen.senss@phila.gov

Report Detail

Facility Name	Monthly Discharge Monitoring Report PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
Permit Number	PA0026671
Report Frequency	Monthly
Report Period	07/01/2015 - 07/31/2015

Attachment Detail**Online Attachments**

- E-NPDES SW201507.xls
 - BLSSW201507.xls
 - SWCSO 201507.xls
 - 201507SL.xls
- SW Monthly Outfall Composite (08-25-2015).pdf
- WW NPDES Monthly Influent Composite (08-25-2015).pdf

Mail Attachments

Mail to Address:

Mail in the following attachment(s):

Thank you for using E2 system!

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for July 2015

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET
 MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-07-01 To: 2015-07-31 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Dissolved Oxygen	Sample Measurement	*****	*****		3.4	4.7	*****	mg/L	0	1/day	Grab
Parameter Code: 00300 Stage Code: 1	Permit Requirement	*****	*****		Report Instantaneous Minimum	Report Average Monthly	*****			1/day	Grab
pH	Sample Measurement	*****	*****		6.9	*****	7.1	S.U.	0	1/day	Grab
Parameter Code: 00400 Stage Code: 1	Permit Requirement	*****	*****		6.0 Instantaneous Minimum	*****	9.0 Instantaneous Maximum			1/day	Grab
Total Suspended Solids	Sample Measurement	4446	5215	lbs/day	*****	3	4	mg/L	0	1/day	24-Hr Composite
Parameter Code: 00530 Stage Code: 1	Permit Requirement	50400 Average Monthly	75060 Weekly Average		*****	30 Average Monthly	45 Weekly Average			1/day	24-Hr Composite
Ammonia-Nitrogen	Sample Measurement	*****	*****		*****	15.54	17.60	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00610 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Nitrite as N	Sample Measurement	*****	*****		*****	1.534	1.962	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00615 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Nitrate as N	Sample Measurement	*****	*****		*****	.488	.654	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00620 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Total Kjeldahl Nitrogen	Sample Measurement	*****	*****		*****	18.80	22.80	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00625 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-08-26		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 1

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-07-01 To: 2015-07-31 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Total Phosphorus	Sample Measurement	*****	*****		*****	.209	.232		0	1/week	24-Hr Composite
Parameter Code: 00665	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Total Copper	Sample Measurement	*****	*****		*****	.0070	*****		0	1/month	24-Hr Composite
Parameter Code: 01042	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Dissolved Iron	Sample Measurement	*****	*****		*****	.0780	*****		0	1/month	24-Hr Composite
Parameter Code: 01046	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Lead	Sample Measurement	*****	*****		*****	<.0030	*****		0	1/month	24-Hr Composite
Parameter Code: 01051	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Nickel	Sample Measurement	*****	*****		*****	.0060	*****		0	1/month	24-Hr Composite
Parameter Code: 01067	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Zinc	Sample Measurement	*****	*****		*****	<.0250	*****		0	1/month	24-Hr Composite
Parameter Code: 01092	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Selenium	Sample Measurement	*****	*****		*****	<.0030	*****		0	1/month	24-Hr Composite
Parameter Code: 01147	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
										2015-08-26	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 2

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-07-01 To: 2015-07-31 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
1,2-Dichloroethane	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 32103 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Chloroform	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 32106 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Total Phenolics	Sample Measurement	*****	*****		*****	<.040	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 32730 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Tetrachloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 34475 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Trichloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 39180 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Flow (mgd)	Sample Measurement	156	238	MGD	*****	*****	*****		0	Continuous	Metered
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	Report Daily Maximum		*****	*****	*****			Continuous	Metered
Total Residual Chlorine (TRC)	Sample Measurement	*****	*****		*****	.10	.26	mg/L	0	1/day	Grab
Parameter Code: 50060 Stage Code: 1	Permit Requirement	*****	*****		*****	0.5 Average Monthly	1.0 Instantaneous Maximum			1/day	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No		Date
											2015-08-26

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 3

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-07-01 To: 2015-07-31 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Free Available Cyanide	Sample Measurement	*****	*****		*****	<.010	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 51173 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Fecal Coliform	Sample Measurement	*****	*****		*****	29	*****	CFU/100 mL	0	1/day	Grab
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	200 Geometric Mean	*****			1/day	Grab
CBOD5	Sample Measurement	3181	3686		*****	2	3	mg/L	0	1/day	24-Hr Composite
Parameter Code: 80082 Stage Code: 1	Permit Requirement	19800 Average Monthly	29700 Weekly Average	lbs/day	*****	25 Average Monthly	40 Weekly Average			1/day	24-Hr Composite
CBOD20	Sample Measurement	13051	*****		*****	*****	*****		0	2/week	24-Hr Composite
Parameter Code: 80087 Stage Code: 1	Permit Requirement	35830 Average Monthly	*****	lbs/day	*****	*****	*****			2/week	24-Hr Composite
CBOD5 % Removal	Sample Measurement	*****	*****		97	*****	*****	%	0	1/day	24-Hr Composite
Parameter Code: 80091 Stage Code: K	Permit Requirement	*****	*****		89.25 Minimum Monthly % Removal	*****	*****			1/day	24-Hr Composite
TSS % Removal	Sample Measurement	*****	*****		98	*****	*****	%	0	1/day	24-Hr Composite
Parameter Code: 81011 Stage Code: K	Permit Requirement	*****	*****		85 Minimum Monthly % Removal	*****	*****			1/day	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
										2015-08-26	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 4

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 101 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-07-01 To: 2015-07-31 **NO DISCHARGE FROM SITE:** (X)
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
pH	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 00400 Stage Code: 1	Permit Requirement	*****	*****		Report Instantaneous Minimum	*****	Report Instantaneous Maximum	S.U.		Daily when Discharging	Grab
Flow (mgd)	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	*****	MGD	*****	*****	*****			1/discharge	Estimate
Fecal Coliform	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	*****	Report Instantaneous Maximum	CFU/100 mL		Daily when Discharging	Grab
Duration of Discharge	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 81381 Stage Code: 1	Permit Requirement	Report Average Monthly	*****	minutes	*****	*****	*****			1/discharge	Estimate
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-08-26		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 5

GENERAL REPORT COMMENT:

All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifiers.

PARAMETER SPECIFIC COMMENTS:

345780	Nitrate as N	Concentration Avg:	See attached data qualifier report.
--------	--------------	--------------------	-------------------------------------

PERMIT

SWWPCP - JULY 2015

COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	eff (mg/l)	Suspended Solids SS% REM SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
W 07/01/2015	190	127	4	97	6,338		56	2	96		3,169		6
Th 07/02/2015	158	118	2	98	2,635		72	2	97		2,635		
F 07/03/2015	158	152	6	96	7,906		59	< 2	97		2,635		8
S 07/04/2015	147	123	3	98	3,678		67	2	97		2,452		
Su 07/05/2015	148	121	3	98	3,703		81	3	96		3,703		
M 07/06/2015	155	177	3	98	3,878		94	2	98		2,585		10
T 07/07/2015	157	249	4	98	5,238		89	2	98		2,619		
W 07/08/2015	155	227	5	98	6,464		107	2	98		2,585		10
Th 07/09/2015	216	81	2	98	3,603		62	2	97		3,603		
F 07/10/2015	159	133	4	97	5,304		69	2	97		2,652		
S 07/11/2015	144	125	2	98	2,402		73	2	97		2,402		
Su 07/12/2015	143	136	2	99	2,385		77	2	97		2,385		
M 07/13/2015	149	157	3	98	3,728		93	2	98		2,485		11
T 07/14/2015	160	233	3	99	4,003		104	3	97		4,003		
W 07/15/2015	238	160	3	98	5,955		75	3	96		5,955		9
Th 07/16/2015	151	121	3	98	3,778		92	3	97		3,778		
F 07/17/2015	143	156	3	98	3,578		98	3	97		3,578		
S 07/18/2015	144	125	3	98	3,603		79	< 2	97		2,402		
Su 07/19/2015	141	155	2	99	2,352		93	9	90		10,583		
M 07/20/2015	143	161	4	98	4,770		109	2	98		2,385		11
T 07/21/2015	142	191	5	97	5,921		84	2	98		2,369		
W 07/22/2015	140	150	3	98	3,503		92	3	97		3,503		10
Th 07/23/2015	143	193	10	95	11,926		103	2	98		2,385		
F 07/24/2015	137	166	3	98	3,428		140	3	98		3,428		
S 07/25/2015	138	143	4	97	4,604		93	1	99		1,151		
Su 07/26/2015	157	157	4	97	5,238		125	2	98		2,619		
M 07/27/2015	166	132	3	98	4,153		75	3	96		4,153		11
T 07/28/2015	150	140	3	98	3,753		86	2	98		2,502		
W 07/29/2015	142	169	3	98	3,557		78	< 2	97		2,371		
Th 07/30/2015	171	135	1	99	1,426		84	3	96		4,278		
F 07/31/2015	150	185	4	98	5,004		84	1	99		1,251		
S 08/01/2015	143	153	4	97	4,767		80	1	99		1,192		
TOTAL	4,835	4,799	107				2,694	76					
AVERAGE	156	155	3	98	4,446		87	2	97		3,181		10

Wk1	162	159	3		4,370		82	2			2,878		
Wk2	161	155	3		3,861		88	3			3,512		
Wk3	141	166	4		5,215		102	3			3,686		
Wk4	154	153	3		3,985		87	2			2,624		

MAX 238

CBOD 20 LBS---- 13,051

NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT---- <35,830

* ACTUAL PERCENT 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

SWWPCP - JULY 2015

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
W	07/01/2015	190		7.0		5.6		0.26	21
Th	07/02/2015	158		7.0		4.6		0.11	16
F	07/03/2015	158		7.0		4.6		0.12	5
S	07/04/2015	147		7.0		5.9		0.06	16
Su	07/05/2015	148		7.0		5.4		0.18	> 2,420
M	07/06/2015	155		7.0		5.2	<	0.05	29
T	07/07/2015	157		6.9		5.6		0.07	14
W	07/08/2015	155		7.0		5.0		0.15	21
Th	07/09/2015	216		7.0		4.0		0.07	37
F	07/10/2015	159		6.9		4.3		0.11	21
S	07/11/2015	144		7.0		4.5		0.10	12
Su	07/12/2015	143		7.0		4.5		0.13	13
M	07/13/2015	149		7.0		4.6		0.10	38
T	07/14/2015	160		7.0		4.1		0.10	61
W	07/15/2015	238		7.0		4.3		0.10	119
Th	07/16/2015	151		6.9		4.7		0.12	16
F	07/17/2015	143		7.0		3.5		0.08	32
S	07/18/2015	144		7.0		3.5		0.05	65
Su	07/19/2015	141		7.0		5.0	<	0.05	15
M	07/20/2015	143		7.1		5.2		0.08	16
T	07/21/2015	142		7.0		5.2		0.07	35
W	07/22/2015	140		7.0		5.6	<	0.05	13
Th	07/23/2015	143		7.0		3.9	<	0.05	29
F	07/24/2015	137		7.0		4.3		0.06	19
S	07/25/2015	138		7.0		4.6	<	0.05	30
Su	07/26/2015	157		6.9		4.7		0.11	12
M	07/27/2015	166		7.0		3.4		0.12	2,420
T	07/28/2015	150		7.0		4.5		0.14	17
W	07/29/2015	142		7.0		5.2		0.12	17
Th	07/30/2015	171		7.0		4.6		0.12	17
F	07/31/2015	150		7.0		4.4		0.11	22
Total		4,835	MIN	MAX	MIN		AVG		MEAN
Avg		156	6.9	7.1	3.4		4.7		

Wk1 162
Wk2 161
Wk3 141
Wk4 154

MAX	238
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NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - JULY 2015

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
07/01/2015	30	141	140	124	127	79	52	56
07/02/2015	24	124	132	116	118	107	66	72
07/03/2015	23	123	174	148	152	100	52	59
07/04/2015	21	114	164	116	123	106	60	67
07/05/2015	22	115	104	124	121	127	73	81
07/06/2015	22	122	208	172	177	125	89	94
07/07/2015	22	124	184	260	249	120	84	89
07/08/2015	22	121	220	228	227	132	103	107
07/09/2015	30	163	164	68	81	113	54	62
07/10/2015	24	120	184	124	133	89	66	69
07/11/2015	21	112	156	120	125	131	63	73
07/12/2015	22	111	180	128	136	133	67	77
07/13/2015	21	116	184	152	157	133	87	93
07/14/2015	21	127	184	240	233	141	98	104
07/15/2015	32	186	188	156	160	109	70	75
07/16/2015	23	116	152	116	121	124	86	92
07/17/2015	21	111	176	152	156	129	93	98
07/18/2015	21	111	156	120	125	112	73	79
07/19/2015	21	110	152	156	155	140	85	93
07/20/2015	21	113	188	156	161	143	103	109
07/21/2015	21	111	188	192	191	123	77	84
07/22/2015	20	109	188	144	150	126	86	92
07/23/2015	21	111	196	192	193	147	96	103
07/24/2015	20	106	176	164	166	125	142	140
07/25/2015	20	106	164	140	143	124	88	93
07/26/2015	21	124	212	148	157	141	122	125
07/27/2015	21	134	188	124	132	123	68	75
07/28/2015	20	120	168	136	140	147	77	86
07/29/2015	20	113	224	160	169	117	72	78
07/30/2015	21	135	160	132	135	150	75	84
07/31/2015	19	118	188	184	185	123	78	84
AVG	22	122	176	151	155	124	81	87

PERMIT

SWWPCP - JULY 2015

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
07/01/2015	76	110	81	13	84%
07/02/2015		116			
07/03/2015	67	128	76	13	83%
07/04/2015		132			
07/05/2015		141			
07/06/2015	96	153	104	15	86%
07/07/2015		133			
07/08/2015	112	169	120	15	88%
07/09/2015		131			
07/10/2015		106			
07/11/2015		145			
07/12/2015		171			
07/13/2015	93	148	101	15	85%
07/14/2015		183			
07/15/2015	71	118	77	9	88%
07/16/2015		146			
07/17/2015		140			
07/18/2015		122			
07/19/2015		146			
07/20/2015	105	147	111	12	89%
07/21/2015		162			
07/22/2015	109	148	115	8	93%
07/23/2015		165			
07/24/2015		195			
07/25/2015		168			
07/26/2015		161			
07/27/2015	82	149	90	8	91%
07/28/2015		182			
07/29/2015	94	159	103	6	94%
07/30/2015		170			
07/31/2015		164			
AVG	91	149	98	11	88%

DESIGN - 200 MGD

SWWPCP - JULY 2015						
DATE	TRIPLE			SW TOTAL	PEAK FLOW	RAIN
	Delcora	GRAVITY/HLL	LLE			
07/01/2015	30	141	19	190	316	0.08
07/02/2015	24	124	10	158	180	0.02
07/03/2015	23	123	12	158	180	
07/04/2015	21	114	12	147	194	0.02
07/05/2015	22	115	11	148	171	
07/06/2015	22	122	11	155	198	
07/07/2015	22	124	11	157	195	
07/08/2015	22	121	12	155	266	T
07/09/2015	30	163	23	216	426	0.76
07/10/2015	24	120	15	159	183	
07/11/2015	21	112	11	144	171	
07/12/2015	22	111	10	143	168	
07/13/2015	21	116	12	149	172	
07/14/2015	21	127	12	160	331	0.58
07/15/2015	32	186	20	238	384	0.69
07/16/2015	23	116	12	151	172	
07/17/2015	21	111	11	143	166	
07/18/2015	21	111	12	144	168	T
07/19/2015	21	110	10	141	168	
07/20/2015	21	113	9	143	166	0.03
07/21/2015	21	111	10	142	176	T
07/22/2015	20	109	11	140	163	
07/23/2015	21	111	11	143	165	
07/24/2015	20	106	11	137	161	
07/25/2015	20	106	12	138	169	
07/26/2015	21	124	12	157	318	
07/27/2015	21	134	11	166	258	0.47
07/28/2015	20	120	10	150	182	
07/29/2015	20	113	9	142	164	
07/30/2015	21	135	15	171	296	0.51
07/31/2015	19	118	13	150	175	
TOTAL	688	3,767	380	4,835		3.16
AVG	22	122	12	156		
			MIN	137	161	
			MAX	238	426	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JULY 2015

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
07/01/2015	0.896	0.301	12.50	14.40	0.226
07/08/2015	1.333	0.412	15.80	18.80	0.232
07/15/2015	1.557	0.447	17.60	19.70	0.224
07/22/2015	1.921	0.654	15.80	18.30	0.200
07/29/2015	1.962	0.627	16.00	22.80	0.165
AVG	1.534	0.488	15.54	18.80	0.209
MAX	1.962	0.654	17.60	22.80	0.232

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
07/08/2015		< 0.010	
07/09/2015	< 0.010		< 0.040

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	07/08/2015
Copper	0.0070
Iron	0.1700
Iron Dissolved	0.0780
Lead	< 0.0030
Nickel	0.0060
Selenium	< 0.0030
Zinc	< 0.0250

Organics Data (mg/L)

Southwest WPCP - Outfall

	07/06/2015
1,2-Dichloroethane	< 0.0050
Chloroform	< 0.0050
Tetrachloroethylene	< 0.0050
Trichloroethylene	< 0.0050

File Name: 201507SL
 Print Date: 08/28/2015

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP				
JULY 2015	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT		
	Biosolids Recycle Center / Synagro			Biosolids Recycle Center / Synagro				
	From NEWPCP MGD	MGD		DT	From SWWPCP MGD		MGD	DT
07/01/2015	0.930	0.413	38	0.680	0.689	63.3		
07/02/2015	0.920	0.767	70	0.000	0.282	38.1		
07/03/2015	0.910	1.349	140	0.400	0.246	29.8		
07/04/2015	-	0.179	18	2.100	1.607	213.6		
07/05/2015	0.920	0.983	97	0.720	1.082	100.1		
07/06/2015	0.950	0.324	29	0.890	0.856	73.8		
07/07/2015	-	0.622	61	0.880	0.697	67.2		
07/08/2015	0.930	0.952	104	0.720	0.947	73.0		
07/09/2015	0.930	0.480	41	1.590	1.777	157.3		
07/10/2015	0.960	1.419	111	1.010	0.928	84.9		
07/11/2015	-	0.000	0	0.850	1.193	120.4		
07/12/2015	0.910	0.639	57	0.790	0.492	45.8		
07/13/2015	0.930	0.938	86	0.830	0.726	78.2		
07/14/2015	0.950	1.162	111	0.820	0.404	39.3		
07/15/2015	0.930	0.615	63	0.130	0.561	65.7		
07/16/2015	0.930	1.272	125	0.510	0.378	38.8		
07/17/2015	0.930	0.000	0	2.140	2.350	259.0		
07/18/2015	-	0.905	76	0.820	1.100	111.2		
07/19/2015	0.920	0.892	83	0.790	0.684	66.3		
07/20/2015	0.930	0.761	73	0.500	0.358	34.2		
07/21/2015	0.920	1.078	92	0.750	0.446	67.1		
07/22/2015	0.910	0.962	84	0.690	0.956	96.3		
07/23/2015	0.940	0.974	82	0.820	0.684	79.0		
07/24/2015	0.930	0.722	55	0.860	0.823	70.9		
07/25/2015	0.880	0.652	56	1.150	0.990	120.5		
07/26/2015	0.910	1.267	123	0.100	0.640	66.2		
07/27/2015	0.910	0.329	36	1.860	1.363	139.5		
07/28/2015	0.920	0.948	87	1.060	1.350	121.2		
07/29/2015	0.920	0.683	65	0.900	0.919	93.8		
07/30/2015	-	0.824	82	0.910	0.811	76.7		
07/31/2015	0.970	0.520	45	1.670	1.142	117.7		
TOTAL	24.090	23.631	2,193	27.940	27.478	2,809		
AVERAGE	0.927	0.762	71	0.901	0.886	91		

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

Report Date: 08/04/2015

WW150708-025

Composite 24h 07/08/2015 06:15

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			7/9/2015	1:07	3.289	mg/L as N	0.25	mg/L as N
Nitrite	EPA 300.0			7/9/2015	1:07	0.856	mg/L as N	0.05	mg/L as N

Data Qualifiers:

Nitrate	Laboratory Fortified Matrix (LFM) recovery is 115.7%. acceptance limits are 90-110%.
Nitrite	Laboratory Fortified Matrix (LFM) recovery is 54.5%. acceptance limits are 90-110%.

WW150715-027

Composite 24h 07/15/2015 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			7/28/2015	20:37	1.857	mg/L as N	0.05	mg/L as N

Data Qualifiers:

Nitrite	The holding time was exceeded. The Sample holding time is 48 hrs. Sample first analyzed within the holding limit but exceeded the reporting limit. Sample reanalyzed at about 300 hrs. from sample collection.
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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
8/25/2015

WW NPDES Monthly Influent Composite

Report Date: 08/04/2015

WW150708-028

Composite 24h 07/08/2015 06:21

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1016 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:19	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1221 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:19	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1232 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:19	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1242 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:19	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1248 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:19	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1254 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:19	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1260 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:19	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1262 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:19	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1268 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:19	<0.42 ^E	µg/L	0.42	µg/L
PCBs Total ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:19	<0.42 ^E	µg/L	0.42	µg/L

Data Qualifiers:

Aroclor 1016	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1221	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1232	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1242	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1248	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.

Aroclor 1254	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1260	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1262	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1268	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
PCBs Total	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.

WW150708-029

Composite 24h 07/08/2015 06:41

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1016 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:41	<0.45 ^E	µg/L	0.45	µg/L
Aroclor 1221 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:41	<0.45 ^E	µg/L	0.45	µg/L
Aroclor 1232 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:41	<0.45 ^E	µg/L	0.45	µg/L
Aroclor 1242 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:41	<0.45 ^E	µg/L	0.45	µg/L
Aroclor 1248 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:41	<0.45 ^E	µg/L	0.45	µg/L
Aroclor 1254 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:41	<0.45 ^E	µg/L	0.45	µg/L
Aroclor 1260 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:41	<0.45 ^E	µg/L	0.45	µg/L
Aroclor 1262 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:41	<0.45 ^E	µg/L	0.45	µg/L
Aroclor 1268 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:41	<0.45 ^E	µg/L	0.45	µg/L
Nitrate	EPA 300.0			7/9/2015	2:55	<0.25	mg/L	0.25	mg/L
Nitrite	EPA 300.0			7/9/2015	2:55	0.07	mg/L	0.05	mg/L
PCBs Total ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:41	<0.45 ^E	µg/L	0.45	µg/L

Data Qualifiers:

Aroclor 1016	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1221	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1232	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1242	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1248	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1254	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1260	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1262	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1268	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Nitrate	Laboratory Fortified Matrix (LFM) recovery is 115.7%. acceptance limits are 90-110%.
Nitrite	Laboratory Fortified Matrix (LFM) recovery is 54.5%. acceptance limits are 90-110%.
PCBs Total	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.

WW150708-030

Composite 24h 07/08/2015 06:40

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1016 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:30	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1221 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:30	<0.42 ^E	µg/L	0.42	µg/L

Aroclor 1232 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:30	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1242 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:30	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1248 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:30	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1254 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:30	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1260 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:30	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1262 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:30	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1268 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:30	<0.42 ^E	µg/L	0.42	µg/L
PCBs Total ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:30	<0.42 ^E	µg/L	0.42	µg/L

Data Qualifiers:

Aroclor 1016	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1221	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1232	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1242	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1248	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1254	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1260	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1262	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1268	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.

PCBs Total	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
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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: 8/25/2015

SW Monthly Outfall Composite

Report Date: 08/04/2015

WW150708-027

Composite 24h 07/08/2015 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 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1221 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1232 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1242 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1248 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1254 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1260 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1262 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1268 ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:53	<0.41 ^E	µg/L	0.41	µg/L
Nitrate	EPA 300.0			7/9/2015	2:19	0.412	mg/L as N	0.25	mg/L as N
PCBs Total ^{B,D}	EPA 608	7/13/2015	8:30	7/14/2015	1:53	<0.41 ^E	µg/L	0.41	µg/L

Data Qualifiers:

Aroclor 1016	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1221	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1232	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1242	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1248	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.

Aroclor 1254	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1260	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1262	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1268	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Nitrate	Laboratory Fortified Matrix (LFM) recovery is 115.7%. acceptance limits are 90-110%.
PCBs Total	The recovery of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 34% in the blank, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.

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: 8/25/2015

**E2 Receipt**

Here is your report submission receipt. Click [here](#) to print.

Submission ID: 106352

Submitted on 9/24/2015 2:36:35 PM, at 170.115.248.21

Submitted by:

Mary Ellen Senss
PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
1101 Market St.
PHILADELPHIA, PA 19107
215-685-6258
maryellen.senss@phila.gov

Report Detail

Facility Name	Monthly Discharge Monitoring Report PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
Permit Number	PA0026671
Report Frequency	Monthly
Report Period	08/01/2015 - 08/31/2015

Attachment Detail

Online Attachments

- E-NPDES SW201508.xls
 - BLSSW201508.xls
 - SWCSO 201508.xls
- SW Fecal Coliform Daily (09-18-2015).pdf
 - 201508SL.xls

Mail Attachments

Mail to Address:

Mail in the following attachment(s):

Thank you for using E2 system!

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for August 2015

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET
 MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-08-01 **NO DISCHARGE**
 19107-2994 **TO:** 2015-08-31 **FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Dissolved Oxygen	Sample Measurement	*****	*****		3.2	4.3	*****		0	1/day	Grab
Parameter Code: 00300	Permit Requirement	*****	*****		Report Instantaneous Minimum	Report Average Monthly	*****	mg/L		1/day	Grab
Stage Code: 1											
pH	Sample Measurement	*****	*****		6.9	*****	7.0		0	1/day	Grab
Parameter Code: 00400	Permit Requirement	*****	*****		6.0 Instantaneous Minimum	*****	9.0 Instantaneous Maximum	S.U.		1/day	Grab
Stage Code: 1											
Total Suspended Solids	Sample Measurement	3725	3970		*****	3	4		0	1/day	24-Hr Composite
Parameter Code: 00530	Permit Requirement	50400 Average Monthly	75060 Weekly Average	lbs/day	*****	30 Average Monthly	45 Weekly Average	mg/L		1/day	24-Hr Composite
Stage Code: 1											
Ammonia-Nitrogen	Sample Measurement	*****	*****		*****	17.03	20.90		0	1/week	24-Hr Composite
Parameter Code: 00610	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Nitrite as N	Sample Measurement	*****	*****		*****	1.663	2.414		0	1/week	24-Hr Composite
Parameter Code: 00615	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Nitrate as N	Sample Measurement	*****	*****		*****	0.883	1.248		0	1/week	24-Hr Composite
Parameter Code: 00620	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Total Kjeldahl Nitrogen	Sample Measurement	*****	*****		*****	19.03	22.40		0	1/week	24-Hr Composite
Parameter Code: 00625	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-09-24		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 1

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-08-01 **NO DISCHARGE**
 19107-2994 **To:** 2015-08-31 **FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Total Phosphorus	Sample Measurement	*****	*****		*****	.214	.269		0	1/week	24-Hr Composite
Parameter Code: 00665	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Total Copper	Sample Measurement	*****	*****		*****	.0050	*****		0	1/week	24-Hr Composite
Parameter Code: 01042	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Dissolved Iron	Sample Measurement	*****	*****		*****	.1430	*****		0	1/month	24-Hr Composite
Parameter Code: 01046	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Lead	Sample Measurement	*****	*****		*****	<.0030	*****		0	1/month	24-Hr Composite
Parameter Code: 01051	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Nickel	Sample Measurement	*****	*****		*****	.0040	*****		0	1/month	24-Hr Composite
Parameter Code: 01067	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Zinc	Sample Measurement	*****	*****		*****	<.0250	*****		0	1/month	24-Hr Composite
Parameter Code: 01092	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Selenium	Sample Measurement	*****	*****		*****	<.0030	*****		0	1/month	24-Hr Composite
Parameter Code: 01147	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).							Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date	
										2015-09-24	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 2

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-08-01 To: 2015-08-31 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
1,2-Dichloroethane	Sample Measurement	****	****		****	<.0050	****	mg/L	0	1/month	Grab
Parameter Code: 32103 Stage Code: 1	Permit Requirement	*****	*****		****	Report Average Monthly	****			1/month	Grab
Chloroform	Sample Measurement	****	****		****	<.0050	****	mg/L	0	1/month	Grab
Parameter Code: 32106 Stage Code: 1	Permit Requirement	*****	*****		****	Report Average Monthly	****			1/month	Grab
Total Phenolics	Sample Measurement	****	****		****	<.040	****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 32730 Stage Code: 1	Permit Requirement	*****	*****		****	Report Average Monthly	****			1/month	24-Hr Composite
Tetrachloroethylene	Sample Measurement	****	****		****	<.0050	****	mg/L	0	1/month	Grab
Parameter Code: 34475 Stage Code: 1	Permit Requirement	*****	*****		****	Report Average Monthly	****			1/month	Grab
Trichloroethylene	Sample Measurement	****	****		****	<.0050	****	mg/L	0	1/month	Grab
Parameter Code: 39180 Stage Code: 1	Permit Requirement	*****	*****		****	Report Average Monthly	****			1/month	Grab
Flow (mgd)	Sample Measurement	138	222	MGD	****	****	****		0	Continuous	Metered
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	Report Daily Maximum		****	****	****			Continuous	Metered
Total Residual Chlorine (TRC)	Sample Measurement	****	****		****	.09	.21	mg/L	0	1/day	Grab
Parameter Code: 50060 Stage Code: 1	Permit Requirement	*****	*****		****	0.5 Average Monthly	1.0 Instantaneous Maximum			1/day	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
										2015-09-24	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 3

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-08-01 To: 2015-08-31 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Free Available Cyanide	Sample Measurement	*****	*****		*****	<.010	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 51173 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Fecal Coliform	Sample Measurement	*****	*****		*****	32	*****	CFU/100 mL	0	1/day	Grab
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	200 Geometric Mean	*****			1/day	Grab
CBOD5	Sample Measurement	2772	3270		*****	2	3	mg/L	0	1/day	24-Hr Composite
Parameter Code: 80082 Stage Code: 1	Permit Requirement	19800 Average Monthly	29700 Weekly Average	lbs/day	*****	25 Average Monthly	40 Weekly Average			1/day	24-Hr Composite
CBOD20	Sample Measurement	10691	*****		*****	*****	*****		0	2/week	24-Hr Composite
Parameter Code: 80087 Stage Code: 1	Permit Requirement	35830 Average Monthly	*****	lbs/day	*****	*****	*****			2/week	24-Hr Composite
CBOD5 % Removal	Sample Measurement	*****	*****		97	*****	*****		0	1/day	24-Hr Composite
	Permit Requirement	*****	*****		89.25 Minimum Monthly % Removal	*****	*****	%		1/day	24-Hr Composite
TSS % Removal	Sample Measurement	*****	*****		98	*****	*****		0	1/day	24-Hr Composite
	Permit Requirement	*****	*****		85 Minimum Monthly % Removal	*****	*****	%		1/day	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).		Signature of Principal Executive Officer Or Authorized Agent						Telephone No		Date 2015-09-24	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 4

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 101 **COUNTY:** Philadelphia
1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-08-01 To: 2015-08-31 **NO DISCHARGE FROM SITE:** (X)

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
pH	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 00400 Stage Code: 1	Permit Requirement	*****	*****		Report Instantaneous Minimum	*****	Report Instantaneous Maximum	S.U.		Daily when Discharging	Grab
Flow (mgd)	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	*****	MGD	*****	*****	*****			1/discharge	Estimate
Fecal Coliform	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	*****	Report Instantaneous Maximum	CFU/100 mL		Daily when Discharging	Grab
Duration of Discharge	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 81381 Stage Code: 1	Permit Requirement	Report Average Monthly	*****	minutes	*****	*****	*****			1/discharge	Estimate
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-09-24		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 5

GENERAL REPORT COMMENT:

All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. Please see attachments for data qualifiers. Please disregard comment under Total Copper, Concentration max, this comment does not pertain but could not be removed from the system.

PARAMETER SPECIFIC COMMENTS:

345780	Total Copper	Concentration Max:	Value is 1.248, it should not have a "<" sign.
345780	Fecal Coliform	Concentration Avg:	Please see attached data qualifier report.

PERMIT

SWWPCP - AUGUST 2015

COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
S	08/01/2015	143	153	4	97	4,770		79	1	99		1,193		
Su	08/02/2015	143	103	2	98	2,385		83	2	98		2,385		
M	08/03/2015	145	163	3	98	3,628		90	2	98		2,419		12
T	08/04/2015	143	167	3	98	3,578		86	3	96		3,578		
W	08/05/2015	137	154	2	99	2,281		95	2	98		2,281		7
Th	08/06/2015	143	177	3	98	3,578		95	3	97		3,578		
F	08/07/2015	136	159	4	97	4,537		86	2	98		2,268		
S	08/08/2015	129	164	4	98	4,303		83	2	98		2,152		
Su	08/09/2015	132	145	3	98	3,303		98	2	98		2,202		
M	08/10/2015	141	197	3	98	3,528		104	2	98		2,352		7
T	08/11/2015	222	194	2	99	3,703		69	4	94		7,406		
W	08/12/2015	139	109	2	98	2,319		79	2	97		2,319		10
Th	08/13/2015	135	135	2	99	2,252		108	2	98		2,252		
F	08/14/2015	134	161	3	98	3,353		79	2	97		2,235		
S	08/15/2015	130	115	5	96	5,421		90	2	98		2,168		
Su	08/16/2015	137	105	2	98	2,285		91	4	96		4,570		
M	08/17/2015	136	130	3	98	3,403		92	4	96		4,537		12
T	08/18/2015	136	194	2	99	2,268		109	3	97		3,403		
W	08/19/2015	133	150	2	99	2,218		92	2	98		2,218		9
Th	08/20/2015	152	206	4	98	5,071		112	2	98		2,535		
F	08/21/2015	139	240	3	99	3,478		111	3	97		3,478		
S	08/22/2015	129	183	5	97	5,379		99	2	98		2,152		
Su	08/23/2015	127	151	3	98	3,178		117	2	98		2,118		
M	08/24/2015	134	160	4	97	4,470		115	2	98		2,235		8
T	08/25/2015	133	177	3	98	3,328		98	2	98		2,218		
W	08/26/2015	128	160	4	98	4,270		85	1	99		1,068		10
Th	08/27/2015	129	192	4	98	4,303		113	2	98		2,152		
F	08/28/2015	117	166	4	98	3,903		116	4	97		3,903		
S	08/29/2015	130	178	4	98	4,337		90	2	98		2,168		
Su	08/30/2015	130	198	5	97	5,421		123	3	98		3,253		
M	08/31/2015	125	205	5	98	5,213		106	3	97		3,128		

TOTAL	4,267	5,089	102					2,992	74					
AVERAGE	138	164	3	98		3,725		97	2	97		2,772		9

Wk1	139	155	3			3,470		88	2			2,666		
Wk2	148	151	3			3,411		90	2			2,988		
Wk3	137	173	3			3,443		101	3			3,270		
Wk4	128	169	4			3,970		105	2			2,266		

MAX	222
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CBOD 20 LBS----	10,691
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - AUGUST 2015

GRAB SAMPLES

Date	FLOW (MGD)	pH EFF	DISSOLVED OXYGEN (mg/l)	CHLORINE RESIDUAL (mg/l)	FECAL COLIFORM (MPN / 100mL)
S 08/01/2015	143	7.0	3.7	0.12	39
Su 08/02/2015	143	7.0	3.8	0.07	26
M 08/03/2015	145	7.0	4.5	0.10	20
T 08/04/2015	143	7.0	5.0	0.07	23
W 08/05/2015	137	6.9	5.5	< 0.05	31
Th 08/06/2015	143	7.0	3.9	< 0.05	18
F 08/07/2015	136	7.0	4.0	< 0.05	9
S 08/08/2015	129	7.0	4.1	< 0.05	26
Su 08/09/2015	132	7.0	4.3	0.11	16
M 08/10/2015	141	7.0	4.6	< 0.05	13
T 08/11/2015	222	7.0	4.1	0.10	291
W 08/12/2015	139	7.0	4.7	0.15	80
Th 08/13/2015	135	7.0	4.3	0.13	60
F 08/14/2015	134	7.0	4.5	0.09	10
S 08/15/2015	130	7.0	4.2	0.07	33
Su 08/16/2015	137	7.0	4.5	0.15	31
M 08/17/2015	136	7.0	3.3	0.06	25
T 08/18/2015	136	6.9	3.2	0.06	111
W 08/19/2015	133	7.0	4.5	< 0.05	20
Th 08/20/2015	152	7.0	5.3	0.07	21
F 08/21/2015	139	7.0	5.0	< 0.05	30
S 08/22/2015	129	7.0	3.9	< 0.05	14
Su 08/23/2015	127	7.0	4.0	0.09	7
M 08/24/2015	134	7.0	4.4	0.17	488
T 08/25/2015	133	7.0	4.4	0.08	47
W 08/26/2015	128	7.0	4.6	0.21	10
Th 08/27/2015	129	7.0	4.4	0.12	119
F 08/28/2015	117	7.0	4.2	0.13	77
S 08/29/2015	130	7.0	3.8	0.06	52
Su 08/30/2015	130	7.0	3.8	0.07	40
M 08/31/2015	125	7.0	3.8	< 0.05	22
Total Avg	4,267 138	MIN 6.9 MAX 7.0	MIN 3.2 AVG 4.3	AVG 0.09 MAX 0.21	MEAN 32

Wk1 139
Wk2 148
Wk3 137
Wk4 128

MAX	222
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NPDES/
LIMIT

EFFLUENT
MIN 6.0 MAX 9.0

GEOMETRIC
MEAN
<200

PERMIT SWWPCP - AUGUST 2015

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
08/01/2015	19	114	184	148	153	140	70	79
08/02/2015	19	114	172	92	103	117	78	83
08/03/2015	19	116	184	160	163	119	86	90
08/04/2015	19	114	184	164	167	115	81	86
08/05/2015	19	107	188	148	154	165	84	95
08/06/2015	19	112	180	176	177	122	91	95
08/07/2015	19	105	180	156	159	135	78	86
08/08/2015	18	100	192	160	164	142	74	83
08/09/2015	19	103	176	140	145	131	93	98
08/10/2015	19	111	200	196	197	150	97	104
08/11/2015	23	183	244	188	194	141	61	69
08/12/2015	19	110	140	104	109	111	74	79
08/13/2015	19	106	180	128	135	135	103	108
08/14/2015	19	105	192	156	161	132	70	79
08/15/2015	18	101	160	108	115	124	84	90
08/16/2015	19	105	112	104	105	119	86	91
08/17/2015	18	107	168	124	130	129	86	92
08/18/2015	18	108	180	196	194	174	99	109
08/19/2015	18	106	192	144	150	144	84	92
08/20/2015	19	120	216	204	206	158	105	112
08/21/2015	19	109	188	248	240	158	104	111
08/22/2015	18	100	180	184	183	195	84	99
08/23/2015	18	99	168	148	151	168	108	117
08/24/2015	18	105	208	152	160	132	112	115
08/25/2015	18	104	180	176	177	165	88	98
08/26/2015	17	102	188	156	160	154	74	85
08/27/2015	17	102	216	188	192	168	105	113
08/28/2015	16	91	232	156	166	153	110	116
08/29/2015	17	101	216	172	178	153	80	90
08/30/2015	18	101	212	196	198	165	116	123
08/31/2015	18	97	208	204	205	139	100	106
AVG	18	108	188	161	164	144	89	97

PERMIT

SWWPCP - AUGUST 2015

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
08/01/2015		157			
08/02/2015		177			
08/03/2015	90	162	99	2	98%
08/04/2015		152			
08/05/2015	109	173	118	9	92%
08/06/2015		177			
08/07/2015		137			
08/08/2015		143			
08/09/2015		148			
08/10/2015	135	163	139	9	94%
08/11/2015		161			
08/12/2015	90	154	99	7	93%
08/13/2015		168			
08/14/2015		147			
08/15/2015		150			
08/16/2015		153			
08/17/2015	99	170	108	12	89%
08/18/2015		144			
08/19/2015	89	177	101	9	91%
08/20/2015		155			
08/21/2015		171			
08/22/2015		163			
08/23/2015		209			
08/24/2015	118	196	128	11	91%
08/25/2015		167			
08/26/2015	121	176	128	3	98%
08/27/2015		200			
08/28/2015		180			
08/29/2015		173			
08/30/2015		176			
08/31/2015		182			
AVG	106	166	115	8	93%

DESIGN - 200 MGD

SWWPCP - AUGUST 2015						RAIN
DATE	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
08/01/2015	19	114	10	143	173	
08/02/2015	19	114	10	143	169	
08/03/2015	19	116	10	145	170	
08/04/2015	19	114	10	143	174	0.01
08/05/2015	19	107	11	137	159	
08/06/2015	19	112	12	143	167	0.08
08/07/2015	19	105	12	136	157	T
08/08/2015	18	100	11	129	161	
08/09/2015	19	103	10	132	159	T
08/10/2015	19	111	11	141	357	0.04
08/11/2015	23	183	16	222	330	0.72
08/12/2015	19	110	10	139	160	
08/13/2015	19	106	10	135	157	
08/14/2015	19	105	10	134	154	
08/15/2015	18	101	11	130	156	
08/16/2015	19	105	13	137	159	
08/17/2015	18	107	11	136	160	
08/18/2015	18	108	10	136	163	
08/19/2015	18	106	9	133	157	
08/20/2015	19	120	13	152	239	0.13
08/21/2015	19	109	11	139	164	
08/22/2015	18	100	11	129	155	
08/23/2015	18	99	10	127	153	
08/24/2015	18	105	11	134	162	
08/25/2015	18	104	11	133	160	T
08/26/2015	17	102	9	128	157	
08/27/2015	17	102	10	129	155	
08/28/2015	16	91	10	117	162	
08/29/2015	17	101	12	130	252	
08/30/2015	18	101	11	130	157	
08/31/2015	18	97	10	125	178	T
TOTAL	573	3,358	336	4,267		0.98
AVG	18	108	11	138		
		MIN		117	153	
		MAX		222	357	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF AUGUST 2015

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
08/05/2015	2.414	1.248	16.80	18.10	0.185
08/12/2015	0.782	0.398	12.50	14.90	0.269
08/19/2015	1.576	0.875	17.90	20.70	0.222
08/26/2015	1.880	1.012	20.90	22.40	0.181
AVG	1.663	0.883	17.03	19.03	0.214
MAX	2.414	1.248	20.90	22.40	0.269

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
08/05/2015		< 0.010	
08/06/2015	< 0.010		< 0.040

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	08/05/2015
Copper	0.0050
Iron	0.1850
Iron Dissolved	0.1430
Lead	< 0.0030
Nickel	0.0040
Selenium	< 0.0030
Zinc	< 0.0250

Organics Data (mg/L)

Southwest WPCP - Outfall

	08/03/2015
1,2-Dichloroethane	< 0.0050
Chloroform	< 0.0050
Tetrachloroethylene	< 0.0050
Trichloroethylene	< 0.0050

File Name: 201508SL
 Print Date: 09/23/2015

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP				
AUGUST 2015	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT		
	Biosolids Recycle Center / Synagro			Biosolids Recycle Center / Synagro				
	From NEWPCP MGD	MGD			From SWWPCP MGD		MGD	
08/01/2015	0.000	0.059	4	0.771	0.892	81.8		
08/02/2015	0.937	0.979	87	0.584	0.243	21.1		
08/03/2015	0.933	1.166	120	0.295	0.627	57.8		
08/04/2015	0.957	0.573	53	1.088	1.119	91.8		
08/05/2015	0.942	1.153	98	1.030	0.954	82.3		
08/06/2015	0.933	1.213	122	0.655	0.746	63.4		
08/07/2015	0.921	0.819	88	1.293	1.430	169.0		
08/08/2015	0.000	0.143	16	0.656	0.880	74.0		
08/09/2015	0.919	0.461	46	0.755	0.469	37.2		
08/10/2015	0.945	1.159	122	0.093	0.000	0.0		
08/11/2015	0.000	0.234	18	1.241	1.446	133.0		
08/12/2015	0.959	0.941	96	0.686	0.388	35.4		
08/13/2015	0.949	0.940	98	0.400	0.743	71.5		
08/14/2015	0.953	0.545	63	0.956	1.069	100.7		
08/15/2015	0.935	1.393	151	0.743	0.537	40.8		
08/16/2015	0.000	0.000	0	1.974	2.000	199.1		
08/17/2015	0.930	0.930	81	0.850	0.905	79.4		
08/18/2015	0.929	0.808	80	0.843	0.595	62.9		
08/19/2015	0.941	0.502	49	0.286	0.720	65.1		
08/20/2015	0.924	1.120	94	1.245	0.812	66.0		
08/21/2015	0.924	1.292	120	0.771	0.793	68.1		
08/22/2015	0.873	0.277	31	1.538	1.927	197.4		
08/23/2015	0.000	0.528	53	0.651	0.857	89.6		
08/24/2015	0.933	0.868	74	1.051	0.754	74.0		
08/25/2015	0.937	0.795	61	0.839	0.820	67.6		
08/26/2015	0.903	0.881	119	0.470	0.120	10.0		
08/27/2015	0.950	1.155	126	0.159	0.642	72.8		
08/28/2015	0.923	0.155	14	1.789	1.652	137.4		
08/29/2015	0.000	0.855	95	0.411	0.287	20.7		
08/30/2015	0.889	0.248	23	1.456	1.543	139.9		
08/31/2015	0.951	0.832	72	0.884	0.816	71.5		
TOTAL	23.290	23.024	2,274	26.461	26.786	2,481		
AVERAGE	0.751	0.743	73	0.854	0.864	80		

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

SW Fecal Coliform Daily

Report Date: 09/04/2015

WW150824-024

Grab 08/24/2015 07:00

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			8/25/2015	9:45	488.4	MPN/100 mls	<1	MPN/100 mls

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Sample incubation time of 23.5 hours exceeded method requirements for a valid result. Colilert-18 results are definitive at 18-22 hours.
-------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------

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
9/18/2015

**E2 Receipt**

Here is your report submission receipt. [Click here to print.](#)

Submission ID: 108832

Submitted on 10/27/2015 3:21:30 PM, at 170.115.248.23

Submitted by:

Mary Ellen Senss
PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
1101 Market St.
PHILADELPHIA, PA 19107
215-685-6258
maryellen.senss@phila.gov

Report Detail

Facility Name	Monthly Discharge Monitoring Report PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
Permit Number	PA0026671
Report Frequency	Monthly
Report Period	09/01/2015 - 09/30/2015

Attachment Detail**Online Attachments**

-
- E-NPDES SW201509.xls
 - BLSSW201509.xls
 - SWCSO 201509.xls
 - 201509SL.xls

Mail Attachments

Mail to Address:

Mail in the following attachment(s):

Thank you for using E2 system!

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for September 2015

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET
 MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-09-01 **NO DISCHARGE FROM SITE:** To: 2015-09-30 ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Dissolved Oxygen	Sample Measurement	****	****		3.2	4.2	****	mg/L	0	1/day	Grab
Parameter Code: 00300	Permit Requirement	****	****		Report Instantaneous Minimum	Report Average Monthly	****			1/day	Grab
Stage Code: 1											
pH	Sample Measurement	****	****		6.9	****	7.1	S.U.	0	1/day	Grab
Parameter Code: 00400	Permit Requirement	****	****		6.0 Instantaneous Minimum	****	9.0 Instantaneous Maximum			1/day	Grab
Stage Code: 1											
Total Suspended Solids	Sample Measurement	3977	6615		****	3	4	mg/L	0	1/day	24-Hr Composite
Parameter Code: 00530	Permit Requirement	50400 Average Monthly	75060 Weekly Average	lbs/day	****	30 Average Monthly	45 Weekly Average			1/day	24-Hr Composite
Stage Code: 1											
Ammonia-Nitrogen	Sample Measurement	****	****		****	18.80	22.70	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00610	Permit Requirement	****	****		****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Nitrite as N	Sample Measurement	****	****		****	2.018	2.564	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00615	Permit Requirement	****	****		****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Nitrate as N	Sample Measurement	****	****		****	1.622	2.255	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00620	Permit Requirement	****	****		****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Total Kjeldahl Nitrogen	Sample Measurement	****	****		****	21.26	25.60	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00625	Permit Requirement	****	****		****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-10-27		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 1

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT
PERMITTEE: PHILADELPHIA WATER DEPT
ADDRESS: 1101 MARKET ST
 PHILADELPHIA, PA 19107-2994

PERMIT NUMBER: PA0026671
OUTFALL: 001
MONITORING PERIOD: From: 2015-09-01 To: 2015-09-30

REGION: EP SE Rgnl Off
COUNTY: Philadelphia
CITY: PHILADELPHIA
NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Total Phosphorus	Sample Measurement	****	****		****	.246	.353		0	1/week	24-Hr Composite
Parameter Code: 00665	Permit Requirement	****	****		****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Total Copper	Sample Measurement	****	****		****	.0043	****		0	3/month	24-Hr Composite
Parameter Code: 01042	Permit Requirement	****	****		****	Report Average Monthly	****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Dissolved Iron	Sample Measurement	****	****		****	.0703	****		0	3/month	24-Hr Composite
Parameter Code: 01046	Permit Requirement	****	****		****	Report Average Monthly	****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Lead	Sample Measurement	****	****		****	<.0030	****		0	3/month	24-Hr Composite
Parameter Code: 01051	Permit Requirement	****	****		****	Report Average Monthly	****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Nickel	Sample Measurement	****	****		****	.0040	****		0	3/month	24-Hr Composite
Parameter Code: 01067	Permit Requirement	****	****		****	Report Average Monthly	****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Zinc	Sample Measurement	****	****		****	<.0263	****		0	3/month	24-Hr Composite
Parameter Code: 01092	Permit Requirement	****	****		****	Report Average Monthly	****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Selenium	Sample Measurement	****	****		****	<.0030	****		0	3/month	24-Hr Composite
Parameter Code: 01147	Permit Requirement	****	****		****	Report Average Monthly	****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
										2015-10-27	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 2

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-09-01 To: 2015-09-30 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
1,2-Dichloroethane	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	5/month	Grab
Parameter Code: 32103	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Stage Code: 1											
Chloroform	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	5/month	Grab
Parameter Code: 32106	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Stage Code: 1											
Total Phenolics	Sample Measurement	*****	*****		*****	<.040	*****	mg/L	0	3/month	24-Hr Composite
Parameter Code: 32730	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Stage Code: 1											
Tetrachloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	5/month	Grab
Parameter Code: 34475	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Stage Code: 1											
Trichloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	5/month	Grab
Parameter Code: 39180	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Stage Code: 1											
Flow (mgd)	Sample Measurement	141	305	MGD	*****	*****	*****		0	Continuous	Metered
Parameter Code: 50050	Permit Requirement	Report Average Monthly	Report Daily Maximum		*****	*****	*****			Continuous	Metered
Stage Code: 1											
Total Residual Chlorine (TRC)	Sample Measurement	*****	*****		*****	.08	.20	mg/L	0	1/day	Grab
Parameter Code: 50060	Permit Requirement	*****	*****		*****	0.5 Average Monthly	1.0 Instantaneous Maximum			1/day	Grab
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-10-27		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 3

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT
PERMITTEE: PHILADELPHIA WATER DEPT
ADDRESS: 1101 MARKET ST
 PHILADELPHIA, PA 19107-2994

PERMIT NUMBER: PA0026671
OUTFALL: 001
MONITORING PERIOD: From: 2015-09-01 To: 2015-09-30

REGION: EP SE Rgnl Off
COUNTY: Philadelphia
CITY: PHILADELPHIA
NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Free Available Cyanide	Sample Measurement	*****	*****		*****	<.010	*****	mg/L	0	3/month	24-Hr Composite
Parameter Code: 51173 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Fecal Coliform	Sample Measurement	*****	*****		*****	26	*****	CFU/100 mL	0	1/day	Grab
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	200 Geometric Mean	*****			1/day	Grab
CBOD5	Sample Measurement	2864	5122		*****	2	3	mg/L	0	1/day	24-Hr Composite
Parameter Code: 80082 Stage Code: 1	Permit Requirement	19800 Average Monthly	29700 Weekly Average	lbs/day	*****	25 Average Monthly	40 Weekly Average			1/day	24-Hr Composite
CBOD20	Sample Measurement	9077	*****		*****	*****	*****		0	2/week	24-Hr Composite
Parameter Code: 80087 Stage Code: 1	Permit Requirement	35830 Average Monthly	*****	lbs/day	*****	*****	*****			2/week	24-Hr Composite
CBOD5 % Removal	Sample Measurement	*****	*****		98	*****	*****	%	0	1/day	24-Hr Composite
Parameter Code: 80091 Stage Code: K	Permit Requirement	*****	*****		89.25 Minimum Monthly % Removal	*****	*****			1/day	24-Hr Composite
TSS % Removal	Sample Measurement	*****	*****		98	*****	*****	%	0	1/day	24-Hr Composite
Parameter Code: 81011 Stage Code: K	Permit Requirement	*****	*****		85 Minimum Monthly % Removal	*****	*****			1/day	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent		I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).					Signature of Principal Executive Officer Or Authorized Agent		Telephone No		Date
											2015-10-27

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 4

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 101 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-09-01 To: 2015-09-30 **NO DISCHARGE FROM SITE:** (X)
 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
pH	Sample Measurement	*****	*****		*****	*****	*****	S.U.			
Parameter Code: 00400 Stage Code: 1	Permit Requirement	*****	*****		Report Instantaneous Minimum	*****	Report Instantaneous Maximum			Daily when Discharging	Grab
Flow (mgd)	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	*****	MGD	*****	*****	*****			1/discharge	Estimate
Fecal Coliform	Sample Measurement	*****	*****		*****	*****	*****	CFU/100 mL			
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	*****	Report Instantaneous Maximum			Daily when Discharging	Grab
Duration of Discharge	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 81381 Stage Code: 1	Permit Requirement	Report Average Monthly	*****	minutes	*****	*****	*****			1/discharge	Estimate
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-10-27		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 5

GENERAL REPORT COMMENT:

All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. A flow in excess of 300 MGD qualified for permit relief on the 10th of the month and was used in compliance reporting.

PARAMETER SPECIFIC COMMENTS:

345780	1,2-Dichloroethane	Sample Frequency:	6/month
345780	Chloroform	Sample Frequency:	6/month
345780	Tetrachloroethylene	Sample Frequency:	6/month
345780	Trichloroethylene	Sample Frequency:	6/month

PERMIT

SWWPCP - SEPTEMBER 2015

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			
Su 08/30/2015	130	198	5	97		5,421		123	3	98		3,253		
M 08/31/2015	125	205	5	98		5,213		106	3	97		3,128		
T 09/01/2015	131	197	3	98		3,278		90	1	99		1,093		7
W 09/02/2015	131	214	3	99		3,278		102	2	98		2,185		
Th 09/03/2015	133	161	3	98		3,328		133	3	98		3,328		11
F 09/04/2015	131	139	2	99		2,185		91	1	99		1,093		
S 09/05/2015	127	160	3	98		3,178		81	2	98		2,118		
Su 09/06/2015	124	132	3	98		3,102		76	2	97		2,068		
M 09/07/2015	131	183	3	98		3,278		99	3	97		3,278		11
T 09/08/2015	129	147	2	99		2,152		104	2	98		2,152		
W 09/09/2015	134	198	4	98		4,470		165	3	98		3,353		12
Th 09/10/2015	305	231	9	96		22,893		86	8	91		19,800	20,350	
F 09/11/2015	167	138	4	97		5,571		68	2	97		2,786		
S 09/12/2015	145	125	4	97		4,837		83	2	98		2,419		
Su 09/13/2015	136	148	3	98		3,403		93	4	96		4,537		
M 09/14/2015	129	148	3	98		3,335		88	<	2	98	2,152		8
T 09/15/2015	130	134	2	99		2,168		102	3	97		3,253		
W 09/16/2015	129	167	3	98		3,228		104	2	98		2,152		8
Th 09/17/2015	129	177	3	98		3,228		103	2	98		2,152		
F 09/18/2015	128	160	3	98		3,203		110	2	98		2,135		
S 09/19/2015	127	201	2	99		2,118		113	1	99		1,059		
Su 09/20/2015	128	174	3	98		3,203		112	2	98		2,135		
M 09/21/2015	128	170	3	98		3,203		100	1	99		1,068		8
T 09/22/2015	127	162	2	99		2,118		101	2	98		2,118		
W 09/23/2015	129	183	3	98		3,228		100	<	2	98	2,152		6
Th 09/24/2015	128	220	2	99		2,135		106	1	99		1,068		
F 09/25/2015	126	191	3	98		3,153		101	2	98		2,102		
S 09/26/2015	123	149	3	98		3,077		98	1	99		1,026		
Su 09/27/2015	123	175	2	99		2,052		104	1	99		1,026		
M 09/28/2015	130	171	2	99		2,168		103	<	2	98	2,168		4
T 09/29/2015	196	237	5	98		8,173		122	3	98		4,904		
W 09/30/2015	183	120	3	98		4,579		69	2	97		3,052		

TOTAL	4,217	5,113	93					3,007	66					
AVERAGE	141	170	3	98		3,977		100	2	98		2,864		8

Wk1	130	182	3	98		3,697		104	2	98		2,314		
Wk2	162	165	4	98		6,615		97	3	97		5,122		
Wk3	130	162	3	98		2,955		102	2	98		2,491		
Wk4	127	178	3	98		2,874		103	2	98		1,667		

MAX 305

CBOD 20 LBS---- 9,077

NPDES/
LIMIT MO <30 >85 <50,400 <25 >89.25 <19,800
WK <45 <75,060 <40 <29,700

CBOD 20 MO LIMIT---- <35,830

* ACTUAL PERCENT 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

SWWPCP - SEPTEMBER 2015

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
T	09/01/2015	131	7.0		3.2		< 0.05		48
W	09/02/2015	131	7.0		5.0		< 0.05		80
Th	09/03/2015	133	6.9		5.2		0.12		89
F	09/04/2015	131	7.0		3.2		0.08		42
S	09/05/2015	127	7.0		4.1		< 0.05		17
Su	09/06/2015	124	7.0		4.5		0.06		22
M	09/07/2015	131	7.0		4.2		0.05		28
T	09/08/2015	129	7.1		4.3		0.12		10
W	09/09/2015	134	7.0		4.4		0.11		21
Th	09/10/2015	305	7.0		3.2		0.02		68
F	09/11/2015	167	7.0		4.3		0.20		19
S	09/12/2015	145	7.0		4.6		0.09		11
Su	09/13/2015	136	7.0		4.0		0.10		41
M	09/14/2015	129	7.0		4.2		0.09		29
T	09/15/2015	130	7.0		4.1		0.06		42
W	09/16/2015	129	7.0		3.9		0.10		10
Th	09/17/2015	129	7.0		3.5		< 0.05		31
F	09/18/2015	128	7.0		5.0		< 0.05		19
S	09/19/2015	127	7.0		5.2		< 0.05		48
Su	09/20/2015	128	7.0		3.4		0.07		19
M	09/21/2015	128	7.0		4.4		< 0.05		15
T	09/22/2015	127	7.0		4.4		< 0.05		27
W	09/23/2015	129	7.0		4.3		0.10		10
Th	09/24/2015	128	7.0		4.5		0.09		10
F	09/25/2015	126	7.0		4.2		0.16		21
S	09/26/2015	123	7.0		4.2		0.11		7
Su	09/27/2015	123	7.0		4.0		0.09		34
M	09/28/2015	130	7.0		4.0		0.11		27
T	09/29/2015	196	7.0		4.0		0.05		30
W	09/30/2015	183	7.0		5.7		0.15		146
Total		4,217	MIN	MAX	AVG	MIN	AVG	MAX	MEAN
Avg		141	6.9	7.1	4.2	3.2	0.08	0.20	26

Wk1 130
Wk2 162
Wk3 130
Wk4 127

MAX	305
-----	-----

NPDES/ LIMIT	EFFLUENT MIN	MAX
	6.0	9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - SEPTEMBER 2015

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
09/01/2015	17	104	204	196	197	130	84	90
09/02/2015	18	104	200	216	214	102	102	102
09/03/2015	18	105	196	156	161	165	128	133
09/04/2015	17	104	184	132	139	123	86	91
09/05/2015	17	100	188	156	160	129	74	81
09/06/2015	17	98	156	128	132	122	69	76
09/07/2015	18	104	180	184	183	150	91	99
09/08/2015	17	102	192	140	147	158	96	104
09/09/2015	18	105	208	196	198	163	165	165
09/10/2015	31	237	332	220	231	150	79	86
09/11/2015	20	133	184	132	138	123	60	68
09/12/2015	19	114	160	120	125	150	73	83
09/13/2015	19	106	172	144	148	164	82	93
09/14/2015	18	101	220	136	148	153	78	88
09/15/2015	18	101	168	128	134	141	96	102
09/16/2015	18	101	208	160	167	181	91	104
09/17/2015	18	101	208	172	177	150	95	103
09/18/2015	17	100	240	148	160	134	106	110
09/19/2015	18	100	180	204	201	160	105	113
09/20/2015	18	99	188	172	174	170	103	112
09/21/2015	17	99	236	160	170	145	93	100
09/22/2015	17	99	228	152	162	158	92	101
09/23/2015	18	100	224	176	183	150	92	100
09/24/2015	17	100	220	220	220	138	101	106
09/25/2015	17	98	212	188	191	163	91	101
09/26/2015	17	95	180	144	149	152	89	98
09/27/2015	17	95	192	172	175	154	96	104
09/28/2015	18	101	192	168	171	156	95	103
09/29/2015	24	153	248	236	237	150	118	122
09/30/2015	22	149	180	112	120	117	62	69
AVG	19	110	203	166	170	147	93	100

PERMIT

SWWPCP - SEPTEMBER 2015

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
09/01/2015	126	199	135	12	91%
09/02/2015		194			
09/03/2015	143	185	149	10	93%
09/04/2015		150			
09/05/2015		141			
09/06/2015		170			
09/07/2015	106	172	115	8	93%
09/08/2015		204			
09/09/2015	196	193	196	18	91%
09/10/2015		165			
09/11/2015		150			
09/12/2015		162			
09/13/2015		185			
09/14/2015	110	183	120	11	91%
09/15/2015		153			
09/16/2015	123	215	136	11	92%
09/17/2015		185			
09/18/2015		145			
09/19/2015		215			
09/20/2015		189			
09/21/2015	127	199	137	12	91%
09/22/2015		201			
09/23/2015	123	199	134	16	88%
09/24/2015		158			
09/25/2015		180			
09/26/2015		161			
09/27/2015		173			
09/28/2015	108	194	120	8	93%
09/29/2015		192			
09/30/2015	70	139	78	11	86%
AVG	123	178	132	12	91%

DESIGN - 200 MGD

SWWPCP - SEPTEMBER 2015						RAIN
DATE	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
09/01/2015	17	104	10	131	162	
09/02/2015	18	104	9	131	156	
09/03/2015	18	105	10	133	160	
09/04/2015	17	104	10	131	157	
09/05/2015	17	100	10	127	161	
09/06/2015	17	98	9	124	150	
09/07/2015	18	104	9	131	160	
09/08/2015	17	102	10	129	165	
09/09/2015	18	105	11	134	301	T
09/10/2015	31	237	37	305	474	4.76
09/11/2015	20	133	14	167	229	0.01
09/12/2015	19	114	12	145	171	0.02
09/13/2015	19	106	11	136	166	T
09/14/2015	18	101	10	129	153	
09/15/2015	18	101	11	130	152	
09/16/2015	18	101	10	129	151	
09/17/2015	18	101	10	129	155	
09/18/2015	17	100	11	128	151	
09/19/2015	18	100	9	127	155	
09/20/2015	18	99	11	128	159	
09/21/2015	17	99	12	128	161	T
09/22/2015	17	99	11	127	155	
09/23/2015	18	100	11	129	159	
09/24/2015	17	100	11	128	164	
09/25/2015	17	98	11	126	153	
09/26/2015	17	95	11	123	149	
09/27/2015	17	95	11	123	157	
09/28/2015	18	101	11	130	152	
09/29/2015	24	153	19	196	454	1.21
09/30/2015	22	149	12	183	283	0.27
TOTAL	555	3,308	354	4,217		6.27
AVG	19	110	12	141		
		MIN		123	149	
		MAX		305	474	

Central Laboratory

	NO2 - N	NO3 - N	NH3 - N	TKN	P
09/02/2015	2.165	1.033	22.00	23.90	0.194
09/09/2015	1.986	1.147	14.30	19.70	0.167
09/14/2015	2.230	1.360	20.90	21.50	0.176
09/16/2015	2.564	1.939	22.70	24.10	0.284
09/18/2015	2.205	2.086	16.20	17.00	0.265
09/23/2015	1.853	2.255	21.30	25.60	0.285
09/30/2015	1.120	1.534	14.20	17.00	0.353
AVG	2.018	1.622	18.80	21.26	0.246
MAX	2.564	2.255	22.70	25.60	0.353

	Total Cyanide	Free Cyanide	Phenolics
09/02/2015	< 0.010		
09/14/2015		< 0.010	< 0.040
09/16/2015		< 0.010	< 0.040
09/18/2015		< 0.010	< 0.040
AVG	< 0.010	< 0.010	< 0.040

Date	09/14/2015	09/16/15	09/18/15	AVG
Copper	0.0040	0.0050	0.0040	0.0043
Iron Total	0.1610	0.2900	0.1490	0.2000
Iron Dissolved	0.0610	0.0790	0.0710	0.0703
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Nickel	0.0040	0.0040	0.0040	0.0040
Selenium	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	< 0.0250	< 0.0290	< 0.0250	< 0.0263

		9/13/2015		9/14/2015		9/15/2015		9/16/2015		9/17/2015		9/18/2015		AVG
1,2-Dichloroethane	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050		0.0050	<	0.0050
alpha-Endosulfan			<	0.0000100			<	0.0000100				0.0000100	<	0.0000100
Benzidine			<	0.0570			<	0.0570			<	0.0560	<	0.0567
beta-BHC			<	0.0000100			<	0.0000100			<	0.0000100	<	0.0000100
Chlordane			<	0.0004700			<	0.0004100			<	0.0004100	<	0.0004300
Chloroform	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050		0.0050	<	0.0050
Dieldrin			<	0.0000200			<	0.0000200			<	0.0000200	<	0.0000200
Heptachlor			<	0.0000100			<	0.0000100			<	0.0000100	<	0.0000100
Lindane (Gamma-BHC)			<	0.0000100			<	0.0000100			<	0.0000100	<	0.0000100
p,p'-DDD			<	0.0000200			<	0.0000200			<	0.0000200	<	0.0000200
p,p'-DDE			<	0.0000200			<	0.0000200			<	0.0000200	<	0.0000200
p,p'-DDT			<	0.0000200			<	0.0000200			<	0.0000200	<	0.0000200
Tetrachloroethylene	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050		0.0050	<	0.0050
Trichloroethylene	<	0.0050	<	0.0050	<	0.0050	<	0.0050	<	0.0050		0.0050	<	0.0050

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF SEPTEMBER 2015

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

9/18/2015

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

File Name: 201509SL
 Print Date: 10/21/2015

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP SEPTEMBER 2015 MGD MGD DT				PA 0026671 SWWPCP Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP MGD MGD DT		
09/01/2015	0.941	1.381	91	0.062	0.309	5.8
09/02/2015	0.925	0.920	89	0.767	0.396	74.8
09/03/2015	0.914	0.501	110	0.533	0.889	53.8
09/04/2015	0.931	1.051	78	0.764	0.610	62.1
09/05/2015	0.953	1.526	137	1.447	1.019	124.2
09/06/2015	0.000	0.000	0	1.157	1.448	125.9
09/07/2015	0.924	0.516	89	0.596	0.437	50.2
09/08/2015	0.966	1.130	85	0.485	0.635	46.1
09/09/2015	0.948	0.756	83	1.283	1.113	100.5
09/10/2015	0.924	0.880	76	0.000	0.397	
09/11/2015	0.935	1.337	144	0.875	0.596	72.2
09/12/2015	0.939	0.674	98	1.179	1.344	114.1
09/13/2015	0.934	0.972	97	1.145	1.115	109.4
09/14/2015	0.000	0.390	0	1.045	1.100	106.3
09/15/2015	0.939	0.866	101	2.038	1.394	228.6
09/16/2015	0.877	0.350	93	0.222	0.696	23.6
09/17/2015	0.000	0.554	0	1.000	0.946	116.0
09/18/2015	0.943	0.934	69	0.931	0.816	95.9
09/19/2015	0.898	0.367	87	0.917	0.912	75.6
09/20/2015	0.912	1.439	88	0.253	0.588	25.0
09/21/2015	0.943	0.948	79	1.187	1.420	171.8
09/22/2015	0.940	0.669	82	1.965	1.583	184.4
09/23/2015	0.952	1.071	73	0.892	0.762	67.3
09/24/2015	0.912	0.981	89	1.063	1.154	98.4
09/25/2015	0.940	1.026	77	1.081	1.187	113.6
09/26/2015	0.000	0.000	0	0.945	1.128	94.2
09/27/2015	0.000	0.000	0	0.959	0.994	87.6
09/28/2015	0.945	0.982	89	0.884	0.534	104.7
09/29/2015	0.942	0.424	90	0.693	0.619	60.7
09/30/2015	0.916	0.871	89	0.377	0.400	44.1
TOTAL	23.295	23.516	2,285	26.746	26.544	2,637
AVERAGE	0.776	0.784	76	0.892	0.885	91

**E2 Receipt**

Here is your report submission receipt. Click [here](#) to print.

Submission ID: 108210

Submitted on 10/22/2015 4:27:10 PM, at 170.115.248.22

Submitted by:

Mary Ellen Senss
PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
1101 Market St.
PHILADELPHIA, PA 19107
215-685-6258
maryellen.senss@phila.gov

Report Detail

Facility Name	Monthly Discharge Monitoring Report PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
Permit Number	PA0026671
Report Frequency	Quarterly
Report Period	07/01/2015 - 09/30/2015

Attachment Detail**Online Attachments**

- BLSSW201509.xls
- SW WET Testing Composite (10-14--2015).pdf

Mail Attachments

Mail to Address:

Mail in the following attachment(s):

Thank you for using E2 system!

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-07-01 To: 2015-09-30 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
alpha-Endosulfan	Sample Measurement	*****	*****		*****	<.0000100	*****	mg/L	0	3/quarter	24-Hr Composite
Parameter Code: 34361	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Stage Code: 1											
Benzidine	Sample Measurement	*****	*****		*****	<.0567	*****	mg/L	0	3/quarter	Grab
Parameter Code: 39120	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	Grab
Stage Code: 1											
4,4-DDT	Sample Measurement	*****	*****		*****	<.0000200	*****	mg/L	0	3/quarter	24-Hr Composite
Parameter Code: 39300	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Stage Code: 1											
4,4-DDD	Sample Measurement	*****	*****		*****	<.0000200	*****	mg/L	0	3/quarter	24-Hr Composite
Parameter Code: 39310	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Stage Code: 1											
4,4-DDE	Sample Measurement	*****	*****		*****	<.0000200	*****	mg/L	0	3/quarter	24-Hr Composite
Parameter Code: 39320	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Stage Code: 1											
beta-BHC	Sample Measurement	*****	*****		*****	<.0000100	*****	mg/L	0	3/quarter	24-Hr Composite
Parameter Code: 39338	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Stage Code: 1											
gamma-BHC	Sample Measurement	*****	*****		*****	<.0000100	*****	mg/L	0	3/quarter	24-Hr Composite
Parameter Code: 39344	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No		Date
											2015-10-22

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 1

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-07-01 To: 2015-09-30 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Dieldrin	Sample Measurement	*****	*****		*****	<.0000200	*****	mg/L	0	3/quarter	24-Hr Composite
Parameter Code: 39380 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Heptachlor	Sample Measurement	*****	*****		*****	<.0000100	*****	mg/L	0	3/quarter	24-Hr Composite
Parameter Code: 39410 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Chlordane	Sample Measurement	*****	*****		*****	<.0004300	*****	mg/L	0	3/quarter	24-Hr Composite
Parameter Code: 51032 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/quarter	24-Hr Composite
Acute toxicity (Ceriodaphnia)	Sample Measurement	*****	*****		*****	*****	<1	TUa	0	1/quarter	24-Hr Composite
Parameter Code: 61425 Stage Code: 1	Permit Requirement	*****	*****		*****	*****	Report Daily Maximum			1/quarter	24-Hr Composite
Chronic toxicity (Ceriodaphnia)	Sample Measurement	*****	*****		*****	*****	1	TUc	0	1/quarter	24-Hr Composite
Parameter Code: 61426 Stage Code: 1	Permit Requirement	*****	*****		*****	*****	Report Daily Maximum			1/quarter	24-Hr Composite
Acute toxicity (Pimephales)	Sample Measurement	*****	*****		*****	*****	<1	TUa	0	1/quarter	24-Hr Composite
Parameter Code: 61427 Stage Code: 1	Permit Requirement	*****	*****		*****	*****	Report Daily Maximum			1/quarter	24-Hr Composite
Chronic toxicity (Pimephales)	Sample Measurement	*****	*****		*****	*****	1	TUc	0	1/quarter	24-Hr Composite
Parameter Code: 61428 Stage Code: 1	Permit Requirement	*****	*****		*****	*****	Report Daily Maximum			1/quarter	24-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-10-22		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 2

GENERAL REPORT COMMENT:

Quarterly NPDES data as required. Please see attachments for data qualifiers.

PARAMETER SPECIFIC COMMENTS:

345780	Benzidine	Concentration Avg:	Please see attached data qualifier report.
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[illegible]

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF SEPTEMBER 2015

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

9/18/2015

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

SW WET Testing Composite

Report Date: 10/05/2015

WW150914-025

Composite 24h 09/14/2015 00:59

Parameter	Analytical Method	Sample Preparation	Sample Preparation	Sample Analysis Date	Sample Analysis	Analysis Result	Units	Quantitation Limit	Units
1,2,4-Trichlorobenzene ^{B,D}	EPA 625	9/21/2015	23:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
1,2-Diphenylhydrazine ^{B,D}	EPA 625	9/21/2015	23:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
2,4,6-Trichlorophenol ^{B,D}	EPA 625	9/21/2015	23:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
2,4-Dichlorophenol ^{B,D}	EPA 625	9/21/2015	23:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
2,4-Dimethylphenol ^{B,D}	EPA 625	9/21/2015	23:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
2,4-Dinitrophenol ^{B,D}	EPA 625	9/21/2015	23:00	9/24/2015	23:38	<38.00 ^E	µg/L	38	µg/L
2,4-Dinitrotoluene ^{B,D}	EPA 625	9/21/2015	23:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
2,6-Dinitrotoluene ^{B,D}	EPA 625	9/21/2015	23:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
2-Chloronaphthalene ^{B,D}	EPA 625	9/21/2015	23:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
2-Chlorophenol ^{B,D}	EPA 625	9/21/2015	23:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
2-Nitrophenol ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
3,3'-Dichlorobenzidine ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
4,6-Dinitro-o-cresol ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<14.00 ^E	µg/L	14	µg/L
4-Bromophenyl phenyl ether ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
4-Chlorophenyl phenyl ether ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
4-Nitrophenol ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<14.00 ^E	µg/L	14	µg/L
Acenaphthene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Acenaphthylene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Anthracene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Benidine ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<57.00 ^E	µg/L	57	µg/L
Benzo(a)anthracene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Benzo(a)pyrene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Benzo(b)fluoranthene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Benzo(ghi)perylene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L

Benzo(k)fluoranthene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
bis(2-Chloroethoxy)methane ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
bis(2-Chloroethyl) ether ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
bis(2-Chloroisopropyl) ether ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
bis(2-Ethylhexyl) phthalate ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	9.00 ^E	µg/L	5	µg/L
Butyl benzyl phthalate ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
CBOD5	SM 5210 B	9/14/2015	13:27	9/19/2015	8:35	<2.00	mg/L	2	mg/L
Chrysene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Di-n-butyl phthalate ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Di-n-octyl phthalate ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Dibenzo(ah)anthracene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Diethyl phthalate ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Dimethyl phthalate ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Endrin ^{B,D}	EPA 608	9/17/2015	10:50	9/20/2015	7:50	<0.02 ^E	µg/L	0.019	µg/L
Fluoranthene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Fluorene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Hexachlorobenzene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Hexachlorobutadiene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Hexachlorocyclopentadiene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<14.00 ^E	µg/L	14	µg/L
Hexachloroethane ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Indeno(1,2,3-cd)pyrene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Isophorone ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
N-Nitrosodi-n-propylamine ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
N-Nitrosodimethylamine ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
N-Nitrosodiphenylamine ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Nitrobenzene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
p-Chloro-m-cresol ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Pentachlorophenol ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<14.00 ^E	µg/L	14	µg/L
Phenanthrene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Phenol ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L
Pyrene ^{B,D}	EPA 625	9/21/2015	20:00	9/24/2015	23:38	<5.00 ^E	µg/L	5	µg/L

Data Qualifiers:

1,2,4-Trichlorobenzene	The recovery of the LCS is 52% and the LCSD is 31%, which are outside the acceptance limits of 55-115%. The RPD is 51 but the RPD max should be 30. Sufficient sample was not available to repeat analysis. The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
1,2-Diphenylhydrazine	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
2,4,6-Trichlorophenol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
2,4-Dichlorophenol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
2,4-Dimethylphenol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
2,4-Dinitrophenol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
2,4-Dinitrotoluene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
2,6-Dinitrotoluene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
2-Chloronaphthalene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
2-Chlorophenol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
2-Nitrophenol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
3,3'-Dichlorobenzidine	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
4,6-Dinitro-o-cresol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
4-Bromophenyl phenyl ether	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.

4-Chlorophenyl phenyl ether	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
4-Nitrophenol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Acenaphthene	The recovery of the LCSD is 81%, which is outside the acceptance limits of 83-117%. Sufficient sample was not available to repeat analysis. The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Acenaphthylene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported. The recovery of the LCSD is 84%, which is outside the acceptance limits of 86-120%. Sufficient sample was not available to repeat analysis.
Anthracene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Benzdine	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Benzo(a)anthracene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Benzo(a)pyrene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Benzo(b)fluoranthene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Benzo(ghi)perylene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Benzo(k)fluoranthene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
bis(2-Chloroethoxy)methane	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
bis(2-Chloroethyl) ether	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
bis(2-Chloroisopropyl) ether	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
bis(2-Ethylhexyl) phthalate	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.

Butyl benzyl phthalate	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
CBOD5	The GGA check is 146 mg/L. Acceptance limits are 168 to 229 mg/L%.
Chrysene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Di-n-butyl phthalate	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Di-n-octyl phthalate	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Dibenzo(ah)anthracene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Diethyl phthalate	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Dimethyl phthalate	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Endrin	The LCS and LCSD were within the acceptance limits but the RPD was 56. The RPD max should be 30.
Fluoranthene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Fluorene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Hexachlorobenzene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Hexachlorobutadiene	The recovery of the LCS is 38% and the LCSD is 19%, which are outside the acceptance limits of 39-120%. The RPD is 68 but the RPD max should be 30. Sufficient sample was not available to repeat analysis. The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Hexachlorocyclopentadiene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Hexachloroethane	The recovery of the LCS is 35% and the LCSD is 20%, which are outside the acceptance limits of 37-112%. The RPD is 56 but the RPD max should be 30. Sufficient sample was not available to repeat analysis. The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. 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-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Isophorone	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
N-Nitrosodi-n-propylamine	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
N-Nitrosodimethylamine	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
N-Nitrosodiphenylamine	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Nitrobenzene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
p-Chloro-m-cresol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Pentachlorophenol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Phenanthrene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Phenol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.
Pyrene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported.

WW150916-027

Composite 24h 09/16/2015 00:59

Parameter	Analytical Method	Sample Preparation	Sample Preparation	Sample Analysis Date	Sample Analysis	Analysis Result	Units	Quantitation Limit	Units
1,2,4-Trichlorobenzene ^{B,D}	EPA 625	9/21/2015	20:00	9/25/2015	1:16	<5.00 ^E	µg/L	5	µg/L
1,2-Diphenylhydrazine ^{B,D}	EPA 625	9/21/2015	20:00	9/25/2015	1:16	<5.00 ^E	µg/L	5	µg/L
2,4,6-Trichlorophenol ^{B,D}	EPA 625	9/21/2015	20:00	9/25/2015	1:16	<5.00 ^E	µg/L	5	µg/L
2,4-Dichlorophenol ^{B,D}	EPA 625	9/21/2015	20:00	9/25/2015	1:16	<5.00 ^E	µg/L	5	µg/L

2,4-Dimethylphenol ^{B,D}	EPA 625	9/21/2015	20:00	9/25/2015	1:16	<5.00 ^E	µg/L	5	µg/L
2,4-Dinitrophenol ^{B,D}	EPA 625	9/21/2015	20:00	9/25/2015	1:16	<38.00 ^E	µg/L	38	µg/L
2,4-Dinitrotoluene ^{B,D}	EPA 625	9/21/2015	20:00	9/25/2015	1:16	<5.00 ^E	µg/L	5	µg/L
2,6-Dinitrotoluene ^{B,D}	EPA 625	9/21/2015	20:00	9/25/2015	1:16	<5.00 ^E	µg/L	5	µg/L
2-Chloronaphthalene ^{B,D}	EPA 625	9/21/2015	20:00	9/25/2015	1:16	<5.00 ^E	µg/L	5	µg/L
2-Chlorophenol ^{B,D}	EPA 625	9/21/2015	20:00	9/25/2015	1:16	<5.00 ^E	µg/L	5	µg/L
4-Nitrophenol ^{B,D}	EPA 625	9/23/2014	20:40	9/24/2015	22:50	<14.00 ^E	µg/L	14	µg/L

Data Qualifiers:

1,2,4-Trichlorobenzene	The recovery of the LCS is 52% and the LCSD is 31%, which are outside the acceptance limits of 55-115%. The RPD is 51 but the RPD max should be 30. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials. The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported. Target analytes were detected in the method blank. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
1,2-Diphenylhydrazine	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported. Target analytes were detected in the method blank. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
2,4,6-Trichlorophenol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported. Target analytes were detected in the method blank. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
2,4-Dichlorophenol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported. Target analytes were detected in the method blank. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
2,4-Dimethylphenol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported. Target analytes were detected in the method blank. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
2,4-Dinitrophenol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported. Target analytes were detected in the method blank. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.

2,4-Dinitrotoluene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported. Target analytes were detected in the method blank. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
2,6-Dinitrotoluene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported. Target analytes were detected in the method blank. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
2-Chloronaphthalene	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported. Target analytes were detected in the method blank. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
2-Chlorophenol	The recovery of one of the method blank surrogates, 2-Fluorobiphenyl, is 72% which is outside the acceptance limits of 76-123%. Since the recovery is >10%, the data is reported. Target analytes were detected in the method blank. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
4-Nitrophenol	The recovery of the LCS is 76%, which is outside the acceptance limits of 20-73%.

WW150918-044

Composite 24h 09/18/2015 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4-Nitrophenol ^{B,D}	EPA 625	9/23/2015	20:40	9/24/2015	22:50	<14.00 ^E	µg/L	14	µg/L

Data Qualifiers:

4-Nitrophenol	The recovery of the LCS is 76%, which is outside the acceptance limits of 20-73%.
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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: 10/14/2015

WW NPDES Monthly Influent Composite

Report Date: 10/05/2015

WW150909-027

Composite 24h 09/09/2015 07:00

Parameter	Analytical Method	Sample Preparation	Sample Preparation	Sample Analysis Date	Sample Analysis	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1016 ^{B,D}	EPA 608	9/15/2015	18:45	9/16/2015	15:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1221 ^{B,D}	EPA 608	9/15/2015	18:45	9/16/2015	15:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1232 ^{B,D}	EPA 608	9/15/2015	18:45	9/16/2015	15:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1242 ^{B,D}	EPA 608	9/15/2015	18:45	9/16/2015	15:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1248 ^{B,D}	EPA 608	9/15/2015	18:45	9/16/2015	15:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1254 ^{B,D}	EPA 608	9/15/2015	18:45	9/16/2015	15:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1260 ^{B,D}	EPA 608	9/15/2015	18:45	9/16/2015	15:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1262 ^{B,D}	EPA 608	9/15/2015	18:45	9/16/2015	15:53	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1268 ^{B,D}	EPA 608	9/15/2015	18:45	9/16/2015	15:53	<0.41 ^E	µg/L	0.41	µg/L
PCBs Total ^{B,D}	EPA 608	9/15/2015	18:45	9/16/2015	15:53	<0.41 ^E	µg/L	0.41	µg/L

Data Qualifiers:

Aroclor 1016	The recovery of one of the surrogates, Decachlorobiphenyl, is 33% which is outside the acceptance limits of 36-153%. Corrective action: the sample was re-extracted and the surrogate is again outside the acceptance limits, indicating a matrix effect. The data is reported from first trial.
Aroclor 1221	The recovery of one of the surrogates, Decachlorobiphenyl, is 33% which is outside the acceptance limits of 36-153%. Corrective action: the sample was re-extracted and the surrogate is again outside the acceptance limits, indicating a matrix effect. The data is reported from first trial.
Aroclor 1232	The recovery of one of the surrogates, Decachlorobiphenyl, is 33% which is outside the acceptance limits of 36-153%. Corrective action: the sample was re-extracted and the surrogate is again outside the acceptance limits, indicating a matrix effect. The data is reported from first trial.
Aroclor 1242	The recovery of one of the surrogates, Decachlorobiphenyl, is 33% which is outside the acceptance limits of 36-153%. Corrective action: the sample was re-extracted and the surrogate is again outside the acceptance limits, indicating a matrix effect. The data is reported from first trial.
Aroclor 1248	The recovery of one of the surrogates, Decachlorobiphenyl, is 33% which is outside the acceptance limits of 36-153%. Corrective action: the sample was re-extracted and the surrogate is again outside the acceptance limits, indicating a matrix effect. The data is reported from first trial.
Aroclor 1254	The recovery of one of the surrogates, Decachlorobiphenyl, is 33% which is outside the acceptance limits of 36-153%. Corrective action: the sample was re-extracted and the surrogate is again outside the acceptance limits, indicating a matrix effect. The data is reported from first trial.

Aroclor 1260	The recovery of one of the surrogates, Decachlorobiphenyl, is 33% which is outside the acceptance limits of 36-153%. Corrective action: the sample was re-extracted and the surrogate is again outside the acceptance limits, indicating a matrix effect. The data is reported from first trial.
Aroclor 1262	The recovery of one of the surrogates, Decachlorobiphenyl, is 33% which is outside the acceptance limits of 36-153%. Corrective action: the sample was re-extracted and the surrogate is again outside the acceptance limits, indicating a matrix effect. The data is reported from first trial.
Aroclor 1268	The recovery of one of the surrogates, Decachlorobiphenyl, is 33% which is outside the acceptance limits of 36-153%. Corrective action: the sample was re-extracted and the surrogate is again outside the acceptance limits, indicating a matrix effect. The data is reported from first trial.
PCBs Total	The recovery of one of the surrogates, Decachlorobiphenyl, is 33% which is outside the acceptance limits of 36-153%. Corrective action: the sample was re-extracted and the surrogate is again outside the acceptance limits, indicating a matrix effect. The data is reported from 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:

Title:

Date:

Gary Burlingame

Laboratory Director

10/14/2015

**E2 Receipt**

Here is your report submission receipt. [Click here to print.](#)

Submission ID: 111101

Submitted on 11/25/2015 12:31:36 PM, at 170.115.248.21

Submitted by:

Mary Ellen Senss
PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
1101 Market St.
PHILADELPHIA, PA 19107
215-685-6258
maryellen.senss@phila.gov

Report Detail

Facility Name	Monthly Discharge Monitoring Report
Permit Number	PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTR
Report Frequency	PA0026671
Report Period	Monthly
	10/01/2015 - 10/31/2015

Attachment Detail**Online Attachments**

-
- E-NPDES SW201510.xls
 - BLSSW201510.xls
 - SWCSO 201510.xls
 - 201510SL.xls
 - NR OF 101915.doc

Mail Attachments

Mail to Address:

Mail in the following attachment(s):

Thank you for using E2 system!

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for October 2015

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-10-01 To: 2015-10-31 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Dissolved Oxygen	Sample Measurement	*****	*****		3.8	5.0	*****	mg/L	0	1/day	Grab
Parameter Code: 00300	Permit Requirement	*****	*****		Report Instantaneous Minimum	Report Average Monthly	*****			1/day	Grab
Stage Code: 1											
pH	Sample Measurement	*****	*****		6.9	*****	7.1	S.U.	0	1/day	Grab
Parameter Code: 00400	Permit Requirement	*****	*****		6.0 Instantaneous Minimum	*****	9.0 Instantaneous Maximum			1/day	Grab
Stage Code: 1											
Total Suspended Solids	Sample Measurement	4355	4960	lbs/day	*****	3	4	mg/L	0	1/day	24-Hr Composite
Parameter Code: 00530	Permit Requirement	50400 Average Monthly	75060 Weekly Average		*****	30 Average Monthly	45 Weekly Average			1/day	24-Hr Composite
Stage Code: 1											
Ammonia-Nitrogen	Sample Measurement	*****	*****		*****	20.55	22.30	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00610	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Nitrite as N	Sample Measurement	*****	*****		*****	1.308	1.416	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00615	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Nitrate as N	Sample Measurement	*****	*****		*****	2.595	3.128	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00620	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Total Kjeldahl Nitrogen	Sample Measurement	*****	*****		*****	22.68	24.50	mg/L	0	1/week	24-Hr Composite
Parameter Code: 00625	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			1/week	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-11-25		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 1

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-10-01 To: 2015-10-31 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Total Phosphorus	Sample Measurement	*****	*****		*****	.369	.430		0	1/week	24-Hr Composite
Parameter Code: 00665	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum	mg/L		1/week	24-Hr Composite
Stage Code: 1											
Total Copper	Sample Measurement	*****	*****		*****	.0060	*****		0	1/month	24-Hr Composite
Parameter Code: 01042	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Dissolved Iron	Sample Measurement	*****	*****		*****	.1840	*****		0	1/month	24-Hr Composite
Parameter Code: 01046	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Lead	Sample Measurement	*****	*****		*****	<.0030	*****		0	1/month	24-Hr Composite
Parameter Code: 01051	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Nickel	Sample Measurement	*****	*****		*****	.0040	*****		0	1/month	24-Hr Composite
Parameter Code: 01067	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Zinc	Sample Measurement	*****	*****		*****	<.0250	*****		0	1/month	24-Hr Composite
Parameter Code: 01092	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Total Selenium	Sample Measurement	*****	*****		*****	<.0030	*****		0	1/month	24-Hr Composite
Parameter Code: 01147	Permit Requirement	*****	*****		*****	Report Average Monthly	*****	mg/L		1/month	24-Hr Composite
Stage Code: 1											
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent		Telephone No	Date	
										2015-11-25	

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 2

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
ADDRESS: 19107-2994 **MONITORING PERIOD:** From: 2015-10-01 To: 2015-10-31 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
1,2-Dichloroethane	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 32103 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Chloroform	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 32106 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Total Phenolics	Sample Measurement	*****	*****		*****	<.040	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 32730 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Tetrachloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 34475 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Trichloroethylene	Sample Measurement	*****	*****		*****	<.0050	*****	mg/L	0	1/month	Grab
Parameter Code: 39180 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	Grab
Flow (mgd)	Sample Measurement	151	340	MGD	*****	*****	*****		0	Continuous	Metered
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	Report Daily Maximum		*****	*****	*****			Continuous	Metered
Total Residual Chlorine (TRC)	Sample Measurement	*****	*****		*****	.12	.31	mg/L	0	1/day	Grab
Parameter Code: 50060 Stage Code: 1	Permit Requirement	*****	*****		*****	0.5 Average Monthly	1.0 Instantaneous Maximum			1/day	Grab
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-11-25		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 3

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 001 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-10-01 To: 2015-10-31 **NO DISCHARGE FROM SITE:** ()
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Free Available Cyanide	Sample Measurement	*****	*****		*****	<.010	*****	mg/L	0	1/month	24-Hr Composite
Parameter Code: 51173 Stage Code: 1	Permit Requirement	*****	*****		*****	Report Average Monthly	*****			1/month	24-Hr Composite
Fecal Coliform	Sample Measurement	*****	*****		*****	14	*****	CFU/100 mL	0	1/day	Grab
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	200 Geometric Mean	*****			1/day	Grab
CBOD5	Sample Measurement	3201	3281	lbs/day	*****	2	2	mg/L	0	1/day	24-Hr Composite
Parameter Code: 80082 Stage Code: 1	Permit Requirement	19800 Average Monthly	29700 Weekly Average		*****	25 Average Monthly	40 Weekly Average			1/day	24-Hr Composite
CBOD20	Sample Measurement	13576	*****	lbs/day	*****	*****	*****		0	2/week	24-Hr Composite
Parameter Code: 80087 Stage Code: 1	Permit Requirement	35830 Average Monthly	*****		*****	*****	*****			2/week	24-Hr Composite
CBOD5 % Removal	Sample Measurement	*****	*****		98	*****	*****	%	0	1/day	24-Hr Composite
	Parameter Code: 80091 Stage Code: K	Permit Requirement	*****		*****	89.25 Minimum Monthly % Removal	*****		*****		1/day
TSS % Removal	Sample Measurement	*****	*****		98	*****	*****	%	0	1/day	24-Hr Composite
	Parameter Code: 81011 Stage Code: K	Permit Requirement	*****		*****	85 Minimum Monthly % Removal	*****		*****		1/day
Name/Title of Principal Executive Officer Or Authorized Agent		I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).					Signature of Principal Executive Officer Or Authorized Agent		Telephone No		Date
											2015-11-25

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 4

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT **PERMIT NUMBER:** PA0026671 **REGION:** EP SE Rgnl Off
PERMITTEE: PHILADELPHIA WATER DEPT **OUTFALL:** 101 **COUNTY:** Philadelphia
 1101 MARKET ST **CITY:** PHILADELPHIA
 PHILADELPHIA, PA **MONITORING PERIOD:** From: 2015-10-01 To: 2015-10-31 **NO DISCHARGE FROM SITE:** (X)
ADDRESS: 19107-2994

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
pH	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 00400 Stage Code: 1	Permit Requirement	*****	*****		Report Instantaneous Minimum	*****	Report Instantaneous Maximum	S.U.		Daily when Discharging	Grab
Flow (mgd)	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 50050 Stage Code: 1	Permit Requirement	Report Average Monthly	*****	MGD	*****	*****	*****			1/discharge	Estimate
Fecal Coliform	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 74055 Stage Code: 1	Permit Requirement	*****	*****		*****	*****	Report Instantaneous Maximum	CFU/100 mL		Daily when Discharging	Grab
Duration of Discharge	Sample Measurement	*****	*****		*****	*****	*****				
Parameter Code: 81381 Stage Code: 1	Permit Requirement	Report Average Monthly	*****	minutes	*****	*****	*****			1/discharge	Estimate
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my 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 my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		
									2015-11-25		

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission. Page 5

GENERAL REPORT COMMENT:

All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities. A flow in excess of 300 MGD qualified for permit relief on the 2nd of the month and was used in compliance reporting. Please note, the BOD5 result for the 19th of the month was not reported due to analyst error. There is no indication that the results of this analysis would have any impact on permit compliance. The Technician has received additional training on the analytical procedures.

PARAMETER SPECIFIC COMMENTS:

PERMIT

SWWPCP - OCTOBER 2015

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			
Th	10/01/2015	197	122	3	98	4,929		75	6	92		9,858		
F	10/02/2015	340	96	7	93	19,849		50	5	90		14,178		
S	10/03/2015	166	112	2	98	2,769		73	2	97		2,769		
Su	10/04/2015	147	126	2	98	2,452		96	1	99		1,226		
M	10/05/2015	150	140	3	98	3,753		120	2	98		2,502		11
T	10/06/2015	142	166	2	99	2,369		97	2	98		2,369		
W	10/07/2015	143	163	3	98	3,578		106	2	98		2,385		9
Th	10/08/2015	136	182	9	95	10,208		112	4	96		4,537		
F	10/09/2015	171	155	4	97	5,705		87	2	98		2,852		
S	10/10/2015	139	144	2	99	2,319		83	2	98		2,319		
Su	10/11/2015	138	142	3	98	3,453		107	2	98		2,302		
M	10/12/2015	141	146	3	98	3,528		106	3	97		3,528		9
T	10/13/2015	139	198	3	98	3,478		117	3	97		3,478		
W	10/14/2015	136	142	3	98	3,403		144	1	99		1,134		9
Th	10/15/2015	134	149	2	99	2,235		91	2	98		2,235		
F	10/16/2015	130	159	2	99	2,168		97	1	99		1,084		
S	10/17/2015	131	186	2	99	2,185		100	1	99		1,093		
Su	10/18/2015	131	164	2	99	2,190		101	3	97		3,285		
M	10/19/2015	136	182	3	98	3,403		123	2	98		2,268		10
T	10/20/2015	130	179	3	98	3,253		112	2	98		2,168		
W	10/21/2015	133	268	2	99	2,218		135	2	99		2,218		9
Th	10/22/2015	129	269	4	99	4,303		106	3	97		3,228		
F	10/23/2015	131	222	3	99	3,278		95	1	99		1,093		
S	10/24/2015	130	205	3	99	3,253		139	2	99		2,168		
Su	10/25/2015	136	221	3	99	3,403		111	2	98		2,268		
M	10/26/2015	134	152	3	98	3,353		118	2	98		2,235		10
T	10/27/2015	131	155	3	98	3,278		95	2	98		2,185		
W	10/28/2015	231	222	6	97	11,559		119	6	95		11,559		16
Th	10/29/2015	174	134	3	98	4,353		95	1	99		1,451		
F	10/30/2015	130	144	2	99	2,168		111	2	98		2,168		
S	10/31/2015	132	137	6	96	6,605		89	1	99		1,101		

TOTAL	4,668	5,180	101					3,210	72					
AVERAGE	151	167	3	98		4,355		104	2	98		3,201		10

Wk1	147	154	4			4,340		100	2			2,599		
Wk2	136	160	3			2,921		109	2			2,122		
Wk3	131	212	3			3,128		116	2			2,347		
Wk4	153	167	4			4,960		105	2			3,281		

MAX	340
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CBOD 20 LBS----	13,576
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - OCTOBER 2015

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
Th	10/01/2015	197		6.9		5.3		0.08	11
F	10/02/2015	340		7.0		6.2		0.16	28
S	10/03/2015	166		7.0		7.3		0.13	50
Su	10/04/2015	147		7.0		6.2		0.09	10
M	10/05/2015	150		7.0		4.3		0.05	20
T	10/06/2015	142		7.0		4.9		0.07	6
W	10/07/2015	143		7.0		4.6		0.09	> 2,420
Th	10/08/2015	136		7.0		5.2		0.08	4
F	10/09/2015	171		7.0		4.6		0.16	9
S	10/10/2015	139		7.0		5.5		0.16	48
Su	10/11/2015	138		7.0		4.5		0.18	61
M	10/12/2015	141		7.0		4.6		0.13	18
T	10/13/2015	139		7.0		4.6		0.10	16
W	10/14/2015	136		7.0		4.6		0.09	5
Th	10/15/2015	134		7.0		4.5		0.06	7
F	10/16/2015	130		7.0		4.5	<	0.05	5
S	10/17/2015	131		7.0		4.8	<	0.05	13
Su	10/18/2015	131		7.0		4.8	<	0.05	10
M	10/19/2015	136		7.0		5.2		0.12	2
T	10/20/2015	130		7.0		4.4		0.13	31
W	10/21/2015	133		7.0		6.0		0.14	3
Th	10/22/2015	129		7.1		4.8		0.15	5
F	10/23/2015	131		7.0		5.5		0.09	8
S	10/24/2015	130		7.0		5.7		0.10	5
Su	10/25/2015	136		7.0		4.9		0.13	31
M	10/26/2015	134		7.0		5.1		0.31	16
T	10/27/2015	131		7.1		4.7		0.24	7
W	10/28/2015	231		7.1		4.4		0.09	34
Th	10/29/2015	174		7.1		6.1		0.28	48
F	10/30/2015	130		7.0		3.8		0.07	16
S	10/31/2015	132		7.0		3.9		0.06	6
Total		4,668	MIN	MAX	MIN	AVG	AVG MAX		MEAN
Avg		151	6.9	7.1	3.8	5.0	0.12 0.31		14

Wk1 147
Wk2 136
Wk3 131
Wk4 153

MAX	340
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NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - OCTOBER 2015

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
10/01/2015	21	159	172	116	122	138	68	75
10/02/2015	46	253	120	92	96	75	46	50
10/03/2015	25	126	132	108	112	102	68	73
10/04/2015	21	114	188	116	126	134	90	96
10/05/2015	26	112	196	128	140	171	109	120
10/06/2015	26	105	192	160	166	125	91	97
10/07/2015	20	112	180	160	163	159	97	106
10/08/2015	19	106	192	180	182	129	109	112
10/09/2015	20	136	212	148	155	150	79	87
10/10/2015	19	109	172	140	144	120	77	83
10/11/2015	19	108	176	136	142	168	97	107
10/12/2015	19	110	188	140	146	114	105	106
10/13/2015	18	110	208	196	198	178	108	117
10/14/2015	18	107	204	132	142	212	134	144
10/15/2015	18	104	232	136	149	150	82	91
10/16/2015	17	102	180	156	159	137	91	97
10/17/2015	18	101	224	180	186	131	95	100
10/18/2015	18	102	212	156	164	157	92	101
10/19/2015	18	107	192	180	182	168	116	123
10/20/2015	18	102	196	176	179	126	110	112
10/21/2015	18	104	188	280	268	158	131	135
10/22/2015	18	101	204	280	269	162	97	106
10/23/2015	18	102	232	220	222	129	90	95
10/24/2015	18	101	208	204	205	188	131	139
10/25/2015	19	105	128	236	221	122	109	111
10/26/2015	18	104	128	156	152	177	109	118
10/27/2015	17	103	204	148	155	173	83	95
10/28/2015	24	186	272	216	222	179	112	119
10/29/2015	22	137	256	116	134	165	85	95
10/30/2015	18	102	196	136	144	147	105	111
10/31/2015	18	103	172	132	137	150	79	89
AVG	20	117	192	163	167	148	97	104

PERMIT

SWWPCP - OCTOBER 2015

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
10/01/2015		153			
10/02/2015		82			
10/03/2015		111			
10/04/2015		156			
10/05/2015	109	186	122	15	88%
10/06/2015		145			
10/07/2015	107	189	118	14	88%
10/08/2015		141			
10/09/2015		165			
10/10/2015		129			
10/11/2015		192			
10/12/2015	124	150	128	25	80%
10/13/2015		210			
10/14/2015	171	255	182	15	92%
10/15/2015		178			
10/16/2015		191			
10/17/2015		154			
10/18/2015		240			
10/19/2015	127	202	137	NS	ND
10/20/2015		189			
10/21/2015	149	206	157	12	92%
10/22/2015		221			
10/23/2015		197			
10/24/2015		224			
10/25/2015		147			
10/26/2015	117	195	127	14	89%
10/27/2015		210			
10/28/2015	131	206	139	17	88%
10/29/2015		183			
10/30/2015		171			
10/31/2015		170			
AVG	129	179	139	16	88%

DESIGN - 200 MGD

DATE	SWWPCP - OCTOBER 2015					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
10/01/2015	21	159	17	197	394	0.49
10/02/2015	46	253	41	340	495	1.55
10/03/2015	25	126	15	166	194	0.01
10/04/2015	21	114	12	147	178	
10/05/2015	26	112	12	150	183	
10/06/2015	26	105	11	142	202	
10/07/2015	20	112	11	143	169	
10/08/2015	19	106	11	136	164	
10/09/2015	20	136	15	171	352	0.29
10/10/2015	19	109	11	139	171	
10/11/2015	19	108	11	138	168	
10/12/2015	19	110	12	141	168	
10/13/2015	18	110	11	139	166	T
10/14/2015	18	107	11	136	168	
10/15/2015	18	104	12	134	168	
10/16/2015	17	102	11	130	158	T
10/17/2015	18	101	12	131	158	T
10/18/2015	18	102	11	131	163	T
10/19/2015	18	107	11	136	166	
10/20/2015	18	102	10	130	156	
10/21/2015	18	104	11	133	162	
10/22/2015	18	101	10	129	164	
10/23/2015	18	102	11	131	154	
10/24/2015	18	101	11	130	167	T
10/25/2015	19	105	12	136	166	
10/26/2015	18	104	12	134	161	
10/27/2015	17	103	11	131	165	
10/28/2015	24	186	21	231	407	0.58
10/29/2015	22	137	15	174	305	0.59
10/30/2015	18	102	10	130	165	
10/31/2015	18	103	11	132	165	
TOTAL	632	3,633	403	4,668		3.51
AVG	20	117	13	151		
		MIN		129	154	
		MAX		340	495	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF OCTOBER 2015

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
10/07/2015	1.416	1.987	22.30	24.50	0.426
10/14/2015	1.145	2.433	21.10	23.60	0.311
10/21/2015	1.392	3.128	19.50	22.20	0.310
10/28/2015	1.279	2.833	19.30	20.40	0.430
 AVG	1.308	2.595	20.55	22.68	0.369
MAX	1.416	3.128	22.30	24.50	0.430

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
10/07/2015		< 0.010	
10/08/2015	< 0.010		< 0.040

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	10/07/2015
Copper	0.0060
Iron	0.1780
Iron Dissolved	0.1840
Lead	< 0.0030
Nickel	0.0040
Selenium	< 0.0030
Zinc	< 0.0250

Organics Data (mg/L)

Southwest WPCP - Outfall

	10/05/2015
1,2-Dichloroethane	< 0.0050
Chloroform	< 0.0050
Tetrachloroethylene	< 0.0050
Trichloroethylene	< 0.0050

From:

Emmanuela Gauthier,
Chemical Technician Supervisor,
Southwest Water Pollution Control Plant

To:

Mr. John Consolvo
Laboratory Manager
Philadelphia Water Department, Bureau of Laboratory Services
1500 E. Hunting Park Ave, Philadelphia, PA 19124-4941

Subject: Non Reportable data for sample date 10/19/15 of Outfall BOD5
(Location ID: SW123E).

Mr. Consolvo,

This is to inform you and SWWPCP that the above mentioned sample will be reported as "NM", due to analyst error.

Although the exact error is unknown, it is suspected that inhibitor nutrient was added to the wrong sample. Corrective actions have been taken; additional training and supportive supervision have been given to the analyst.

Date: 11/24/15

CC: Mohammad Ibrahim,
Plant Manager,
Southwest Water Pollution Control Plant

WW NPDES Monthly Influent Composite

Report Date: 11/05/2015

WW151004-024

Composite 24h 10/04/2015 08:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1016 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	12:59	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1221 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	12:59	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1232 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	12:59	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1242 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	12:59	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1248 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	12:59	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1254 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	12:59	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1260 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	12:59	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1262 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	12:59	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1268 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	12:59	<0.40 ^E	µg/L	0.40	µg/L
Mercury ^{B,D}	EPA 245.1	10/8/2015	14:01	10/9/2015	6:36	<0.00020 ^E	mg/L	0.00020	mg/L
PCBs Total ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	12:59	<0.40 ^E	µg/L	0.40	µg/L

Data Qualifiers:

Aroclor 1016	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1221	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1232	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1242	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1248	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1254	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1260	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1262	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1268	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Mercury	The RPD between the sample and duplicate is 200. The maximum allowable is 20. This is from the result for one or both determinations was less than five times the LOQ.

PCBs Total	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
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WW151004-025

Composite 24h 10/04/2015 08:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1016 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:10	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1221 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:10	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1232 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:10	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1242 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:10	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1248 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:10	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1254 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:10	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1260 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:10	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1262 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:10	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1268 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:10	<0.40 ^E	µg/L	0.40	µg/L
Mercury ^{B,D}	EPA 245.1	10/8/2015	14:01	10/9/2015	6:50	<0.00020 ^E	mg/L	0.00020	mg/L
PCBs Total ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:10	<0.40 ^E	µg/L	0.40	µg/L

Data Qualifiers:

Aroclor 1016	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1221	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1232	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1242	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1248	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1254	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1260	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1262	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Aroclor 1268	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.
Mercury	The RPD between the sample and duplicate is 200. The maximum allowable is 20. This is from the result for one or both determinations was less than five times the LOQ.
PCBs Total	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%.

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1016 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:21	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1221 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:21	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1232 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:21	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1242 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:21	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1248 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:21	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1254 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:21	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1260 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:21	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1262 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:21	<0.40 ^E	µg/L	0.40	µg/L
Aroclor 1268 ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:21	<0.40 ^E	µg/L	0.40	µg/L
Mercury ^{B,D}	EPA 245.1	10/8/2015	14:01	10/9/2015	6:57	<0.00020 ^E	mg/L	0.00020	mg/L
PCBs Total ^{B,D}	EPA 608	10/11/2015	2:00	10/12/2015	13:21	<0.40 ^E	µg/L	0.40	µg/L

Data Qualifiers:

Aroclor 1016	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%. The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1221	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%. The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1232	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%. The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1242	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%. The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1248	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%. The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1254	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%. The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.

Aroclor 1260	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%. The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1262	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%. The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1268	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%. The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Mercury	The RPD between the sample and duplicate is 200. The maximum allowable is 20. This is from the result for one or both determinations was less than five times the LOQ.
PCBs Total	The recovery of one of the surrogates, Decachlorobiphenyl, is 32% in the LCS and is 25% in the LCSD, which are outside the acceptance limits of 36-153%. The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the sample, which is outside the acceptance limits of 36-153%. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.

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

11/16/2015



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

*HOWARD NEUKRUG
Commissioner*

December 24, 2015

The City of Philadelphia hereby submits the Discharge Monitoring Report (DMR) for the Southwest Water Pollution Control Plant for November 2015. 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 : 5692

Submission Status : Received

Facility Name : PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTROL PLANT

Permit Number : PA0026671

Report Type : Monthly

Monitoring Report Period : 11/01/2015-11/30/2015

Monitoring Report Due Date : 12/28/2015

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for November 2015

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET
 MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

PERMIT

SWWPCP - NOVEMBER 2015

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			
Su	11/01/2015	142	128	4	97	4,737		101	2	98.02		2,369		
M	11/02/2015	126	229	3	99	3,153		110	3	97.28		3,153		13
T	11/03/2015	131	170	2	99	2,185		137	2	98.54		2,185		
W	11/04/2015	133	192	2	99	2,218		129	2	98.45		2,218		12
Th	11/05/2015	137	228	2	99	2,285		142	1	99.30		1,143		
F	11/06/2015	135	230	2	99	2,252		103	1	99.03		1,126		
S	11/07/2015	131	141	3	98	3,278		89	2	97.75		2,185		
Su	11/08/2015	133	156	2	99	2,218		137	9	93.43		9,983		
M	11/09/2015	140	214	6	97	7,006		105	4	96.18		4,670		12
T	11/10/2015	211	177	4	98	7,039		104	4	96.16		7,039		
W	11/11/2015	140	125	3	98	3,503		123	3	97.55		3,503		14
Th	11/12/2015	159	149	4	97	5,304		105	2	98.10		2,652		
F	11/13/2015	133	187	3	98	3,328		119	2	98.31		2,218		
S	11/14/2015	133	152	3	98	3,328		142	6	95.76		6,655		
Su	11/15/2015	133	158	3	98	3,328		135	3	97.78		3,328		
M	11/16/2015	129	165	2	99	2,152		126	3	97.62		3,228		11
T	11/17/2015	132	189	2	99	2,202		143	3	97.90		3,303		
W	11/18/2015	134	195	3	98	3,353		116	3	97.41		3,353		14
Th	11/19/2015	258	181	10	94	21,517		79	6	92.41		12,910		
F	11/20/2015	149	125	3	98	3,728		93	4	95.71		4,971		
S	11/21/2015	147	129	3	98	3,678		109	4	96.34		4,904		
Su	11/22/2015	135	132	4	97	4,504		131	4	96.95		4,504		
M	11/23/2015	136	151	3	98	3,403		112	2	98.21		2,268		7
T	11/24/2015	128	193	4	98	4,270		106	2	98.11		2,135		
W	11/25/2015	135	163	3	98	3,378		110	3	97.28		3,378		10
Th	11/26/2015	132	183	5	97	5,504		119	4	96.64		4,404		
F	11/27/2015	130	214	4	98	4,337		127	3	97.63		3,253		
S	11/28/2015	130	227	3	99	3,253		145	3	97.93		3,253		
Su	11/29/2015	141	190	3	98	3,528		114	4	96.49		4,704		
M	11/30/2015	141	147	3	98	3,528		117	3	97.43		3,528		

TOTAL	4,274	5,220	101					3,526	97					
AVERAGE	142	174	3	98		4,250		118	3	97.19		3,951		12

Wk1	134	188	3			2,873		116	2			2,054		
Wk2	150	166	4			4,532		119	4			5,246		
Wk3	155	163	4			5,708		115	4			5,142		
Wk4	132	180	4			4,093		121	3			3,313		

MAX 258

CBOD 20 LBS---- 13,001

NPDES/ MO <30 >85 <50,400 <25 >89.25 <19,800
LIMIT WK <45 <75,060 <40 <29,700

CBOD 20 MO LIMIT---- <35,830

* ACTUAL PERCENT 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

SWWPCP - NOVEMBER 2015

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
Su	11/01/2015	142	7.0		6.2		0.06		5
M	11/02/2015	126	6.9		3.5		0.07		14
T	11/03/2015	131	7.1		4.1		0.09		8
W	11/04/2015	133	7.0		5.0		0.06		9
Th	11/05/2015	137	7.0		4.7		0.08		11
F	11/06/2015	135	7.0		5.2		0.11		6
S	11/07/2015	131	7.0		4.8		0.26		22
Su	11/08/2015	133	7.0		5.0		0.11		66
M	11/09/2015	140	7.0		4.9		0.30		21
T	11/10/2015	211	7.0		4.0		0.19		194
W	11/11/2015	140	7.1		4.9		0.27		52
Th	11/12/2015	159	7.0		4.7		0.25		12
F	11/13/2015	133	6.9		5.0		0.12		16
S	11/14/2015	133	7.0		5.2		0.13		16
Su	11/15/2015	133	7.0		5.2		0.13		13
M	11/16/2015	129	7.0		4.8		0.10		17
T	11/17/2015	132	7.0		4.1		0.16		17
W	11/18/2015	134	7.0		6.2		0.07		12
Th	11/19/2015	258	7.0		4.2		0.07		4
F	11/20/2015	149	7.0		4.6		0.17		8
S	11/21/2015	147	7.1		5.0		0.17		7
Su	11/22/2015	135	7.0		4.7		0.17		10
M	11/23/2015	136	7.0		5.6		0.17		37
T	11/24/2015	128	6.9		5.4		0.16		23
W	11/25/2015	135	7.0		5.4		0.16		18
Th	11/26/2015	132	7.0		5.8		0.09		7
F	11/27/2015	130	7.0		5.1		0.10		178
S	11/28/2015	130	7.0		4.5		0.13		96
Su	11/29/2015	141	7.0		4.3		0.13		74
M	11/30/2015	141	7.0		4.0		0.06		37
Total		4,274	MIN	MAX	MIN	AVG	AVG	MAX	MEAN
Avg		142	6.9	7.1	6.2	4.9	0.14	0.30	19

Wk1 134
Wk2 150
Wk3 155
Wk4 132

MAX	258
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NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - NOVEMBER 2015

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
11/01/2015	20	111	128	128	128	179	88	101
11/02/2015	17	99	184	236	229	156	103	110
11/03/2015	18	104	232	160	170	187	129	137
11/04/2015	18	103	192	192	192	171	122	129
11/05/2015	18	107	204	232	228	196	134	142
11/06/2015	19	105	196	236	230	138	97	103
11/07/2015	20	101	148	140	141	160	76	89
11/08/2015	21	103	220	144	156	195	126	137
11/09/2015	20	108	224	212	214	163	95	105
11/10/2015	26	172	240	168	177	170	95	104
11/11/2015	22	107	176	116	125	174	113	123
11/12/2015	23	124	204	140	149	183	92	105
11/13/2015	20	102	224	180	187	218	101	119
11/14/2015	21	102	196	144	152	182	134	142
11/15/2015	20	103	172	156	158	203	123	135
11/16/2015	18	101	172	164	165	140	124	126
11/17/2015	18	104	192	188	189	173	138	143
11/18/2015	20	103	236	188	195	184	104	116
11/19/2015	37	195	212	176	181	121	72	79
11/20/2015	24	113	128	124	125	136	85	93
11/21/2015	24	112	176	120	129	152	101	109
11/22/2015	22	102	176	124	132	179	122	131
11/23/2015	20	106	168	148	151	139	107	112
11/24/2015	18	100	196	192	193	167	96	106
11/25/2015	19	105	156	164	163	162	102	110
11/26/2015	19	102	224	176	183	173	110	119
11/27/2015	18	101	224	212	214	168	120	127
11/28/2015	18	102	172	236	227	153	144	145
11/29/2015	19	111	200	188	190	158	107	114
11/30/2015	18	112	192	140	147	168	109	117
AVG	21	111	192	171	174	168	109	118

PERMIT

SWWPCP - NOVEMBER 2015

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
11/01/2015		240			
11/02/2015	134	179	140	13	91%
11/03/2015		229			
11/04/2015	137	191	144	12	92%
11/05/2015		233			
11/06/2015		206			
11/07/2015		195			
11/08/2015		215			
11/09/2015	146	222	157	21	87%
11/10/2015		191			
11/11/2015	133	202	144	16	89%
11/12/2015		201			
11/13/2015		233			
11/14/2015		222			
11/15/2015		225			
11/16/2015	146	209	155	16	90%
11/17/2015		187			
11/18/2015	136	210	147	17	88%
11/19/2015		150			
11/20/2015		144			
11/21/2015		179			
11/22/2015		207			
11/23/2015	128	185	136	13	90%
11/24/2015		255			
11/25/2015	137	192	145	12	92%
11/26/2015		225			
11/27/2015		198			
11/28/2015		233			
11/29/2015		225			
11/30/2015		212			
AVG	137	207	146	15	90%

DESIGN - 200 MGD

DATE	SWWPCP - NOVEMBER 2015					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
11/01/2015	20	111	11	142	162	
11/02/2015	17	99	10	126	166	
11/03/2015	18	104	9	131	162	
11/04/2015	18	103	12	133	162	
11/05/2015	18	107	12	137	215	0.10
11/06/2015	19	105	11	135	167	0.02
11/07/2015	20	101	10	131	169	0.01
11/08/2015	21	103	9	133	180	
11/09/2015	20	108	12	140	286	
11/10/2015	26	172	13	211	345	0.65
11/11/2015	22	107	11	140	166	0.01
11/12/2015	23	124	12	159	279	0.13
11/13/2015	20	102	11	133	177	
11/14/2015	21	102	10	133	167	
11/15/2015	20	103	10	133	170	
11/16/2015	18	101	10	129	161	
11/17/2015	18	104	10	132	163	
11/18/2015	20	103	11	134	160	
11/19/2015	37	195	26	258	465	0.82
11/20/2015	24	113	12	149	190	
11/21/2015	24	112	11	147	180	
11/22/2015	22	102	11	135	177	
11/23/2015	20	106	10	136	215	
11/24/2015	18	100	10	128	157	
11/25/2015	19	105	11	135	164	
11/26/2015	19	102	11	132	179	
11/27/2015	18	101	11	130	164	
11/28/2015	18	102	10	130	167	0.01
11/29/2015	19	111	11	141	169	0.12
11/30/2015	18	112	11	141	212	0.02
TOTAL	615	3,320	339	4,274		1.89
AVG	21	111	11	142		
		MIN		126	157	
		MAX		258	465	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF NOVEMBER 2015

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
11/04/2015	1.113	2.550	23.10	21.80	0.260
11/12/2015	1.120	2.042	18.00	19.80	0.295
11/18/2015	1.046	1.996	25.90	26.90	0.123
11/25/2015	1.118	1.465	21.10	23.50	0.311
AVG	1.099	2.013	22.03	23.00	0.247
MAX	1.120	2.550	25.90	26.90	0.311

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
11/04/2015		< 0.010	
11/05/2015	< 0.010		< 0.040

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	11/04/2015
Copper	0.0060
Iron	0.1560
Iron Dissolved	0.0670
Lead	< 0.0030
Nickel	0.0040
Selenium	< 0.0030
Zinc	< 0.0250

Organics Data (mg/L)

Southwest WPCP - Outfall

	11/02/2015
1,2-Dichloroethane	< 0.0050
Chloroform	< 0.0050
Tetrachloroethylene	< 0.0050
Trichloroethylene	< 0.0050

File Name: 201511SL
 Print Date: 12/24/2015

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP NOVEMBER 2015 MGD				PA 0026671 SWWPCP Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP MGD		
Sludge Processed by MGD				Sludge Processed by MGD		
DT				DT		
11/01/2015	0.929	1.067	90	0.520	0.401	57.3
11/02/2015	0.932	0.904	84	0.606	0.679	73.4
11/03/2015	0.000	0.000	0	0.866	1.216	111.2
11/04/2015	0.925	0.628	69	1.193	1.253	98.3
11/05/2015	0.906	1.244	136	0.316	0.135	13.5
11/06/2015	0.922	0.863	84	1.672	1.083	113.3
11/07/2015	0.909	0.589	60	0.498	0.894	70.2
11/08/2015	0.902	0.807	69	0.971	0.957	77.8
11/09/2015	0.925	0.892	76	0.933	1.024	85.5
11/10/2015	0.938	1.080	91	0.962	0.661	55.7
11/11/2015	0.000	0.334	27	0.336	0.752	65.3
11/12/2015	0.000	0.000	0	1.256	1.414	125.1
11/13/2015	0.911	0.888	94	1.676	1.107	118.8
11/14/2015	0.890	0.634	69	0.000	0.000	0.0
11/15/2015	0.712	0.991	81	0.544	0.935	70.8
11/16/2015	0.921	0.866	93	1.514	1.091	80.4
11/17/2015	0.792	0.701	63	0.775	1.066	90.9
11/18/2015	0.921	1.002	86	1.059	1.046	75.5
11/19/2015	0.913	0.987	81	0.989	1.160	95.8
11/20/2015	0.910	0.746	91	1.923	1.532	126.4
11/21/2015	0.858	0.382	35	1.339	1.718	149.6
11/22/2015	0.877	1.238	113	0.963	0.768	68.0
11/23/2015	0.879	0.851	94	0.834	0.690	60.3
11/24/2015	0.933	1.120	94	0.420	0.512	41.2
11/25/2015	0.947	1.089	81	0.887	0.823	65.5
11/26/2015	0.000	0.000	0	1.731	2.220	206.7
11/27/2015	1.853	1.501	126	1.026	0.534	37.2
11/28/2015	0.953	0.980	73	0.106	0.354	27.2
11/29/2015	0.922	1.211	105	0.628	0.578	46.9
11/30/2015	0.932	0.078	5	2.344	2.189	227.5
TOTAL	24.411	23.673	2,171	28.884	28.791	2,536
AVERAGE	0.814	0.789	72	0.963	0.960	85

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

HEADER INFORMATION

Facility ID:	479110	Facility Name:	PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTROL PLANT	Location Address:	8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153
Permit Number:	PA0026671	Monitoring Period:	11/01/2015-11/30/2015	Mailing Address:	1101 MARKET ST4TH 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	***	***	***	6.2	4.9	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.9	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	4250	5708	lbs/day	***	3	4	mg/L	Grab	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	22.03	25.90	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	***	***	***	***	1.099	1.120	mg/L	Grab	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Nitrate as N	Sample Measurement	***	***	***	***	2.013	2.550	mg/L	Grab	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	23.00	26.90	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	***	***	***	***	.247	.311	mg/L	Grab	1/week
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
1,2-Dichloroethane	Sample Measurement	***	***	***	***	.0050	***	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	***	***	***	***	.040	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0060	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0670	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month

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

Nickel, Total	Sample Measurement	***	***	***	***	.0040	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0250	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Selenium, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	142	258	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.14	.30	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free Available	Sample Measurement	***	***	***	***	.010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Tetrachloroethylene	Sample Measurement	***	***	***	***	.0050	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	.0050	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	19	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	3951	5246	lbs/day	***	3	4	mg/L	Grab	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	13001	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	97.19	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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		.								

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

Sampling Point		Load		Stage Code		Final Effluent			No Discharge Indicator	Y
Parameter	Limit Type	Load 1	Load 2	Units	Conc.1	Conc. 2	Conc. 3	Units	Sample Type	Sample Frequency
pH	Sample Measurement	***	***	***	***	***	***	S.U.	Grab	Daily when Discharging
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX			
Flow	Sample Measurement	***	***	MGD	***	***	***	***	Estimate	1/discharge
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***			
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml	Grab	Daily when Discharging
	Permit Measurement	***	***		***	***	Monitor & Report IMAX			
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***	Estimate	1/discharge
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***			
Facility Comments										

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

ATTACHMENT DETAILS			
File Name	Attachment Type	Uploaded Time	Attachment Comment
SW Outfall Monthly Composite 1 (12-04-2015).pdf	Laboratory Accreditation Form	2015-12-22T16:23:54-05:00	
Cryptographic Hash Value of File (SHA-512)	9A060C51C941F38884ED54AF4A7CF2CE5C5C9511904492DBC21182450912F185C18C3B6775CBB0508C99C77CB2466F3A55B0BEFE6DBC17E901862C3E821C4965		
SW Outfall Monthly Composite 2 (12-04-2015).pdf	Laboratory Accreditation Form	2015-12-22T16:24:38-05:00	
Cryptographic Hash Value of File (SHA-512)	7AD625A4CDFCF002706B108A766AF8FEE13A944F06B49CC35A320A6805566CBFC1A43DC7A9BE40CFF330F7583C5A2BDD99F99DC5227C3A406C460DE42536997C		
201511SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2015-12-22T16:18:59-05:00	
Cryptographic Hash Value of File (SHA-512)	4775EA88949A6C5E2AFCE8513F69A5FA5F985719F3E52AC9B947DB6E7BAB40FF1914DA945FADD3B8D3F93834DE496E4507C20222A34577BAF25E3AEF87BD23FE		
BLSSW201511.xls	Nutrient Monitoring Form	2015-12-22T16:20:12-05:00	
Cryptographic Hash Value of File (SHA-512)	3F7568353F905ACAD64DDDB98683C841AA3DD48A632A0029281DBADE9F9564163F9E238F4B93CA20750A8FFAC09DF9E96963F9EA8EABB01D5D16B9EFEBD06ADA		
E-NPDES SW201511.xls	Daily Effluent Monitoring Form	2015-12-22T16:21:41-05:00	
Cryptographic Hash Value of File (SHA-512)	329D91FB495D7CB8A10CC7A473EAEF1966A43C510852C89770B1D9BA7CE854BB71337C77D8FB9B423C075A22FE209396A0CCDDC63BF680C7F0082F3F08BC2A54		
SWCSO 201511.xls	CSO Monthly Inspection Report Form	2015-12-22T16:20:48-05:00	
Cryptographic Hash Value of File (SHA-512)	9BC6B1B5AFA2EFB8934C43E7BB334D7B6A75380A7B03BC5B2722178E55CAED13CFEE2C772A92808BC7CEF4BDFCC55EF613277ECFA0FD1EE9896C184F3DFEDE57		

**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	

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
25351	Final Effluent(001)	Nitrite an N	Sample type not in accordance with permit	
25351	Final Effluent(001)	Nickel, Total	Sample type not in accordance with permit	
25351	Final Effluent(001)	Phenolics, Total	Sample type not in accordance with permit	
25351	Final Effluent(001)	Total Phosphorus	Sample type not in accordance with permit	
25351	Final Effluent(001)	Copper, Total	Sample type not in accordance with permit	
25351	Final Effluent(001)	Cyanide, Free Available	Sample type not in accordance with permit	
25351	Final Effluent(001)	Zinc, Total	Sample type not in accordance with permit	
25351	Final Effluent(001)	Iron, Dissolved	Sample type not in accordance with permit	
25351	Final Effluent(001)	Lead, Total	Sample type not in accordance with permit	
25351	Final Effluent(001)	Total Suspended Solids	Sample type not in accordance with permit	
25351	Final Effluent(001)	Nitrate as N	Sample type not in accordance with permit	
25351	Final Effluent(001)	Selenium, Total	Sample type not in accordance with permit	
25351	Final Effluent(001)	Carbonaceous Biochemical Oxygen Demand (CBOD5)	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. Please see attachments for data qualifiers.	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	12/22/2015



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

*DEBRA MCCARTY
Commissioner*

January 22, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Southwest Water Pollution Control Plant for December 2015. 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 : 8358

Submission Status : Received

Facility Name : PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTROL PLANT

Permit Number : PA0026671

Report Type : Monthly

Monitoring Report Period : 12/01/2015-12/31/2015

Monitoring Report Due Date : 01/28/2016

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for December 2015

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET
 MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

PERMIT

SWWPCP - DECEMBER 2015

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			
Su	11/29/2015	141	190	3	98	3,528		114	4	96.49		4,704		
M	11/30/2015	141	147	3	98	3,528		117	3	97.43		3,528		
T	12/01/2015	259	138	9	93	19,430		81	8	90.09		17,271		19
W	12/02/2015	171	116	3	97	4,280		90	5	94.42		7,134		
Th	12/03/2015	139	168	9	95	10,446		124	6	95.16		6,964		13
F	12/04/2015	144	150	3	98	3,597		108	3	97.22		3,597		
S	12/05/2015	145	136	3	98	3,630		122	3	97.54		3,630		
Su	12/06/2015	148	222	4	98	4,937		121	3	97.52		3,703		
M	12/07/2015	148	155	3	98	3,694		89	3	96.65		3,694		9
T	12/08/2015	145	204	5	98	6,047		112	3	97.33		3,628		
W	12/09/2015	148	137	3	98	3,703		116	4	96.54		4,937		10
Th	12/10/2015	147	167	4	98	4,896		115	2	98.26		2,448		
F	12/11/2015	151	176	4	98	5,039		107	3	97.20		3,779		
S	12/12/2015	143	177	4	98	4,777		106	3	97.18		3,583		
Su	12/13/2015	145	189	5	97	6,030		119	5	95.80		6,030		
M	12/14/2015	172	238	5	98	7,152		182	6	96.70		8,582		19
T	12/15/2015	149	167	6	96	7,439		113	4	96.45		4,960		
W	12/16/2015	146	164	5	97	6,090		113	3	97.33		3,654		12
Th	12/17/2015	250	141	9	94	18,794		94	7	92.55		14,617		
F	12/18/2015	160	115	4	97	5,326		100	3	96.99		3,994		
S	12/19/2015	150	131	4	97	5,001		110	3	97.28		3,750		
Su	12/20/2015	141	160	3	98	3,532		116	3	97.41		3,532		
M	12/21/2015	149	158	3	98	3,731		119	3	97.48		3,731		12
T	12/22/2015	164	170	3	98	4,114		102	2	98.04		2,743		
W	12/23/2015	272	162	9	94	20,427		82	8	90.22		18,157		16
Th	12/24/2015	197	134	6	96	9,858		96	4	95.83		6,572		
F	12/25/2015	200	140	5	96	8,356		79	3	96.18		5,014		
S	12/26/2015	163	128	3	98	4,071		82	3	96.32		4,071		
Su	12/27/2015	184	127	3	98	4,604		96	4	95.84		6,139		
M	12/28/2015	199	122	5	96	8,305		80	4	94.98		6,644		12
T	12/29/2015	287	87	9	90	21,574		66	5	92.46		11,986		
W	12/30/2015	209	122	5	96	8,715		90	4	95.53		6,972		11
Th	12/31/2015	176	127	3	98	4,404		85	3	96.46		4,404		
TOTAL	5,401	4,725	149					3,212	123					
AVERAGE	174	152	5	97		7,484		104	4	95.97		6,126		13

Wk1	163	149	5		6,920	108	5		6,690
Wk2	147	177	4		4,728	109	3		3,682
Wk3	167	163	5		7,976	119	4		6,513
Wk4	184	150	5		7,727	96	4		6,260

MAX	287
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CBOD 20 LBS----	21,170
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - DECEMBER 2015

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
T	12/01/2015	259		7.0		6.3		0.19	65
W	12/02/2015	171		7.0		6.4		0.24	10
Th	12/03/2015	139		7.0		4.8		0.14	12
F	12/04/2015	144		7.0		5.5		0.16	8
S	12/05/2015	145		7.1		5.9		0.12	26
Su	12/06/2015	148		7.0		5.4		0.18	687
M	12/07/2015	148		7.0		5.4		0.14	11
T	12/08/2015	145		7.0		5.7		0.18	26
W	12/09/2015	148		7.1		5.4		0.24	5
Th	12/10/2015	147		7.1		7.1		0.24	88
F	12/11/2015	151		7.2		5.3		0.18	57
S	12/12/2015	143		7.0		5.7		0.17	34
Su	12/13/2015	145		7.2		5.0		0.17	28
M	12/14/2015	172		7.0		4.5		0.14	28
T	12/15/2015	149		7.1		3.9		0.12	82
W	12/16/2015	146		7.0		4.7		0.17	112
Th	12/17/2015	250		7.0		6.6		0.14	10
F	12/18/2015	160		7.0		7.5		0.23	20
S	12/19/2015	150		7.0		6.3		0.13	138
Su	12/20/2015	141		7.0		6.4		0.18	10
M	12/21/2015	149		7.0		5.5		0.15	16
T	12/22/2015	164		7.0		5.5		0.13	66
W	12/23/2015	272		7.0		5.2		0.21	36
Th	12/24/2015	197		7.0		5.5		0.29	18
F	12/25/2015	200		7.0		5.3		0.23	76
S	12/26/2015	163		7.0		5.5		0.22	16
Su	12/27/2015	184		7.0		5.7		0.16	58
M	12/28/2015	199		7.0		5.3		0.22	91
T	12/29/2015	287		7.0		7.7		0.38	411
W	12/30/2015	209		7.0		7.3		0.13	25
Th	12/31/2015	176		7.0		7.4		0.12	24
Total		5,401	MIN	MAX	MIN	AVG	AVG	MAX	MEAN
Avg		174	7.0	7.2	3.9	5.8	0.18	0.38	35

Wk1 163
Wk2 147
Wk3 167
Wk4 184

MAX	287
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NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - DECEMBER 2015

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
12/01/2015	29	209	188	132	138	142	73	81
12/02/2015	23	134	144	112	116	132	83	90
12/03/2015	20	107	168	168	168	147	120	124
12/04/2015	19	114	164	148	150	154	101	108
12/05/2015	19	114	164	132	136	174	114	122
12/06/2015	19	117	180	228	222	215	107	121
12/07/2015	19	118	172	152	155	134	83	89
12/08/2015	18	116	172	208	204	156	106	112
12/09/2015	18	120	176	132	137	171	108	116
12/10/2015	19	117	212	160	167	176	106	115
12/11/2015	18	122	232	168	176	151	101	107
12/12/2015	18	115	212	172	177	164	98	106
12/13/2015	19	116	196	188	189	180	110	119
12/14/2015	20	140	220	240	238	221	177	182
12/15/2015	19	118	216	160	167	188	102	113
12/16/2015	18	117	224	156	164	180	103	113
12/17/2015	31	195	228	128	141	170	83	94
12/18/2015	21	125	132	112	115	138	94	100
12/19/2015	20	117	148	128	131	164	102	110
12/20/2015	19	110	208	152	160	179	106	116
12/21/2015	19	119	172	156	158	180	110	119
12/22/2015	19	132	212	164	170	168	93	102
12/23/2015	36	207	200	156	162	139	73	82
12/24/2015	28	153	144	132	134	114	93	96
12/25/2015	25	159	176	135	140	138	70	79
12/26/2015	23	127	176	120	128	147	71	82
12/27/2015	23	146	172	120	127	195	82	96
12/28/2015	24	157	168	116	122	150	70	80
12/29/2015	43	219	124	80	87	96	61	66
12/30/2015	26	168	136	120	122	150	81	90
12/31/2015	25	138	144	124	127	144	75	85
AVG	22	138	180	148	152	160	95	104

PERMIT

SWWPCP - DECEMBER 2015

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
12/01/2015	93	153	100	17	83%
12/02/2015		174			
12/03/2015	130	158	134	19	86%
12/04/2015		188			
12/05/2015		199			
12/06/2015		243			
12/07/2015	117	190	126	15	88%
12/08/2015		203			
12/09/2015	131	194	139	22	84%
12/10/2015		206			
12/11/2015		193			
12/12/2015		182			
12/13/2015		208			
12/14/2015	195	236	200	22	89%
12/15/2015		206			
12/16/2015	114	200	125	13	90%
12/17/2015		188			
12/18/2015		192			
12/19/2015		196			
12/20/2015		194			
12/21/2015	140	195	147	17	88%
12/22/2015		197			
12/23/2015	77	158	88	35	60%
12/24/2015		123			
12/25/2015		150			
12/26/2015		162			
12/27/2015		209			
12/28/2015	82	162	92	5	95%
12/29/2015		111			
12/30/2015	90	162	99	18	82%
12/31/2015		153			
AVG	117	183	125	18	84%

DESIGN - 200 MGD

DATE	SWWPCP - DECEMBER 2015					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
12/01/2015	29	209	21	259	418	0.70
12/02/2015	23	134	14	171	264	0.16
12/03/2015	20	107	12	139	176	
12/04/2015	19	114	11	144	176	
12/05/2015	19	114	12	145	178	
12/06/2015	19	117	12	148	182	
12/07/2015	19	118	11	148	177	
12/08/2015	18	116	11	145	174	
12/09/2015	18	120	10	148	188	
12/10/2015	19	117	11	147	183	
12/11/2015	18	122	11	151	168	
12/12/2015	18	115	10	143	179	
12/13/2015	19	116	10	145	180	
12/14/2015	20	140	12	172	263	0.09
12/15/2015	19	118	12	149	172	0.09
12/16/2015	18	117	11	146	171	
12/17/2015	31	195	24	250	465	0.92
12/18/2015	21	125	14	160	189	T
12/19/2015	20	117	13	150	175	
12/20/2015	19	110	12	141	177	
12/21/2015	19	119	11	149	175	
12/22/2015	19	132	13	164	260	0.15
12/23/2015	36	207	29	272	444	1.55
12/24/2015	28	153	16	197	306	0.06
12/25/2015	25	159	16	200	343	0.32
12/26/2015	23	127	13	163	199	T
12/27/2015	23	146	15	184	327	0.04
12/28/2015	24	157	18	199	446	0.05
12/29/2015	43	219	25	287	457	0.84
12/30/2015	26	168	15	209	332	0.17
12/31/2015	25	138	13	176	202	T
TOTAL	697	4,266	438	5,401		5.14
AVG	22	138	14	174		
		MIN		139	168	
		MAX		287	465	

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

HEADER INFORMATION

Facility ID:	479110	Facility Name:	PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTROL PLANT	Location Address:	8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153
Permit Number:	PA0026671	Monitoring Period:	12/01/2015-12/31/2015	Mailing Address:	1101 MARKET ST4TH 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	***	***	***	3.9	5.8	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	7.0	***	7.2	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	7484	7976	lbs/day	***	5	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	22.01	29.10	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	***	***	***	***	.768	.955	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	***	***	***	***	.730	.848	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	***	***	***	***	22.06	27.90	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	***	***	***	***	.254	.371	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	***	***	***	***	.0050	***	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	***	***	***	***	.0040	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0317	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.2000	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Lead, Total	Sample Measurement	***	***	***	***	.0020	***	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)**

Nickel, Total	Sample Measurement	***	***	***	***	.0037	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0300	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Selenium, Total	Sample Measurement	***	***	***	***	.0020	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	174	287	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.18	.38	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free Available	Sample Measurement	***	***	***	***	.010	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Tetrachloroethylene	Sample Measurement	***	***	***	***	.0050	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	.0050	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	35	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	6126	6690	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	21170	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	95.97	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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										

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

Sampling Point		101		Stage Code		Final Effluent			No Discharge Indicator	Y
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS			
File Name	Attachment Type	Uploaded Time	Attachment Comment
BLSSW201512.xls	Nutrient Monitoring Form	2016-01-26T15:33:09-05:00	
Cryptographic Hash Value of File (SHA-512)	BCFE531BAABA55FA173DD58771C29380553D07467C9F2C0C3C0F24062416FA3CFDF10846AB92BA8798FFE48B982794D4E3FCAA5122020F153C24EE5535E0D49A		
SWCSO 201512.xls	CSO Detailed Outfall Report Form	2016-01-26T15:34:21-05:00	
Cryptographic Hash Value of File (SHA-512)	10B2AE10AE2E9459A56C73829FD5531F8C19D641BB7A7A8C52EAD2CB8CBFCFA1F1640273A0F369B564CC90B4D9F753F2DED5F010FD22FFDEB1EC8F7C1003B393		
E-NPDES SW201512.xls	Daily Effluent Monitoring Form	2016-01-26T15:32:42-05:00	
Cryptographic Hash Value of File (SHA-512)	7770F248D5164D023C68A50EBEC2CA8035A56585768A7D07ECD66D0CF8205F152D080F6327686819432B7989996490820E962BF37F46D9F9816DA67D1E79208A		
201512SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-01-26T15:34:50-05:00	
Cryptographic Hash Value of File (SHA-512)	74A05D443185D17AF3BCCD2C10E8F190DF28F9E58E3747E5D2C0437B2C52050E79D4E3A10ADB48555BE44B26F213FC7F226F396D3C000EE52EA0055EF253ED98		
SW WET Testing Composite (01-21-2016).pdf	Laboratory Accreditation Form	2016-01-26T15:35:55-05:00	
Cryptographic Hash Value of File (SHA-512)	51EC98FA80297120C26F3E38FB3D771C80CB11AFEF81FB2DB84D4AA09730B40508D91164CDA37AF98B740A7EEAF6977355EE2A498267209480611687F2A10A24		

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
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

SUBMISSION INFORMATION

*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).

Submitted By GreenPort User	SENSSM	Submitted By Full Name	Mary Ellen Senss
Email Address	maryellen.senss@phila.gov	Document Generated	1/26/2016

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF DECEMBER 2015

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
12/02/2015	0.678	0.712	16.00	18.20	0.371
12/07/2015	0.955	0.848	28.10	27.40	0.170
12/09/2015	0.936	0.777	29.10	27.90	0.170
12/11/2015	0.854	0.727	22.50	22.40	0.170
12/16/2015	0.602	0.676	27.50	26.30	0.289
12/23/2015	0.827	0.535	23.10	22.70	0.274
12/30/2015	0.527	0.832	7.80	9.50	0.335
AVG	0.768	0.730	22.01	22.06	0.254
MAX	0.955	0.848	29.10	27.90	0.371

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Total Cyanide	Free Cyanide	Phenolics
12/02/2015	< 0.010		
12/07/2015		< 0.010	< 0.040
12/09/2015		< 0.010	< 0.040
12/11/2015		< 0.010	< 0.040
AVG		< 0.010	< 0.040

Metals Data

Southwest WPCP - Outfall

Date	12/07/2015	12/09/2015	12/11/2015	AVG
Copper	0.0840	0.0060	0.0050	0.0317
Iron	< 0.2000	< 0.2000	< 0.2000	0.2000
Iron Dissolved	< 0.2000	< 0.2000	< 0.2000	0.2000
Lead	0.0040	< 0.0010	< 0.0010	< 0.0020
Nickel	0.0030	0.0040	0.0040	0.0037
Selenium	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Zinc	0.0260	0.0280	0.0360	0.0300

Organics Data (mg/L)

Southwest WPCP - Outfall

	12/06/2015	12/07/2015	12/08/2015	12/09/2015	12/10/2015	12/11/2015	AVG
1,2-Dichloroethane	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0050	< 0.0050	< 0.0050
alpha-Endosulfan		< 0.0000100		< 0.0000100		< 0.0000100	< 0.0000100
Benzidine		< 0.0570		< 0.0570		< 0.0570	< 0.0570
beta-BHC		< 0.0000100		< 0.0000100		< 0.0000100	< 0.0000100
Chlordane		< 0.0004000		< 0.0004000		< 0.0004000	< 0.0004000
Chloroform	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0050	< 0.0050	< 0.0050
Dieldrin		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
Heptachlor		< 0.0000100		< 0.0000100		< 0.0000100	< 0.0000100
Lindane (Gamma-BHC)		< 0.0000100		< 0.0000100		< 0.0000100	< 0.0000100
p,p'-DDD		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
p,p'-DDE		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
p,p'-DDT		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
Tetrachloroethylene	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0050	< 0.0050	< 0.0050
Trichloroethylene	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0050	< 0.0050	< 0.0050

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF DECEMBER 2015

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

12/11/2015

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic		2
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic		2

File Name: 201512SL
 Print Date: 01/26/2016

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP DECEMBER 2015 MGD				PA 0026671 SWWPCP Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP MGD		
Sludge Processed by MGD				Sludge Processed by MGD		
DT				DT		
12/01/2015	0.908	1.392	107	0.649	0.804	69.5
12/02/2015	0.904	1.041	89	1.543	1.252	106.3
12/03/2015	0.928	1.185	107	0.934	1.094	89.6
12/04/2015	0.903	0.824	64	1.537	1.369	112.3
12/05/2015	0.912	1.036	90	0.821	1.190	96.1
12/06/2015	0.000	0.792	80	1.817	1.537	118.8
12/07/2015	0.917	1.009	91	1.131	1.291	123.0
12/08/2015	0.000	0.000	0	1.037	1.425	132.5
12/09/2015	0.914	0.538	46	0.962	0.808	57.7
12/10/2015	0.895	0.968	85	0.907	0.691	56.3
12/11/2015	0.884	0.975	78	1.063	1.017	102.2
12/12/2015	0.892	1.061	93	0.949	0.962	74.5
12/13/2015	0.903	0.927	85	1.157	1.308	103.7
12/14/2015	0.881	0.363	28	1.205	1.167	100.2
12/15/2015	0.873	1.279	96	1.589	1.393	104.3
12/16/2015	0.911	1.017	75	1.267	1.649	119.5
12/17/2015	0.902	0.618	50	0.476	0.000	0.0
12/18/2015	0.920	0.313	20	2.062	2.385	179.8
12/19/2015	0.000	0.900	73	0.981	1.341	101.5
12/20/2015	0.912	0.862	75	0.994	0.703	51.5
12/21/2015	0.929	0.549	49	0.979	1.087	119.7
12/22/2015	0.926	1.364	129	0.998	0.644	51.4
12/23/2015	0.920	0.650	57	1.036	1.025	84.4
12/24/2015	0.920	1.223	134	1.266	1.485	125.1
12/25/2015	0.000	0.000	0	1.067	1.633	158.1
12/26/2015	1.754	1.709	168	1.109	0.568	50.1
12/27/2015	0.884	0.897	110	0.922	1.116	100.5
12/28/2015	0.938	0.874	68	1.208	1.030	85.0
12/29/2015	0.900	0.744	60	0.420	0.606	49.0
12/30/2015	0.904	1.119	98	1.574	1.351	113.7
12/31/2015	0.910	0.906	85	1.182	1.241	111.9
TOTAL	25.343	27.135	2,390	34.840	35.173	2,948
AVERAGE	0.818	0.875	77	1.124	1.135	95



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

*DEBRA MCCARTY
Commissioner*

January 22, 2016

The City of Philadelphia hereby submits the Annual Discharge Monitoring Report (DMR) for the Southwest Water Pollution Control Plant for December 2015. 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 : 8369

Submission Status : Received

Facility Name : PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTROL PLANT

Permit Number : PA0026671

Report Type : Annually

Monitoring Report Period : 01/01/2015-12/31/2015

Monitoring Report Due Date : 01/28/2016

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION											
Facility ID:	479110	Facility Name:	PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTROL PLANT				Location Address:	8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153			
Permit Number:	PA0026671	Monitoring Period:	01/01/2015-12/31/2015				Mailing Address:	1101 MARKET ST4TH 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	
PCBs Wet Weather Analysis	Sample Measurement	***	***	***	4354	***	5143	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	***	***	***	3328	***	3806	pg/L	24-Hr Composite	2/year	
	Permit Measurement	***	***		Monitor & Report Min	***	Monitor & Report Max		24-Hr Composite	2/year	
Facility Comments											

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

Sampling Point		085		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
Chemical Oxygen Demand (COD)	Sample Measurement	***	***	***	***	***	<50	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
pH	Sample Measurement	***	***	***	***	***	7.44	S.U.	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Total Suspended Solids	Sample Measurement	***	***	***	***	***	51.2	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Oil and Grease	Sample Measurement	***	***	***	***	***	<5	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	***	<2.4	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Total Phosphorus	Sample Measurement	***	***	***	***	***	.433	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Fecal Coliform	Sample Measurement	***	***	***	***	***	>2419.6	CFU/100 ml	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	***	***	***	***	***	8	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS			
File Name	Attachment Type	Uploaded Time	Attachment Comment
BLSSW201512.xls	Annual Nutrient Summary Form	2016-01-26T16:00:03-05:00	Annual PCB and storm water report are incuded in this attachment.
Cryptographic Hash Value of File (SHA-512)	7EBEB9863154F434CD2E4355E9A4174E5335F00C6E579E89886CD1DB6A48CB33F20041FD88F77364AD26042A4A11D3F2574CAAE5C31E74EF608F55476A1AA1A2		
WW NPDES Monthly Composite (01-21-2016).pdf	Laboratory Accreditation Form	2016-01-26T16:00:37-05:00	
Cryptographic Hash Value of File (SHA-512)	217BF70F86B9D0C3656D81BB13A3AF12F5ECE9F0DF6D61FDFD3BE6E8735B2C2613F02B479F1CC15730AFE2083F97A8DC80BCD0BC275670206CDAB251DD3F3A7F		

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
Annual PCB and Stormwater DMR.	Mary Ellen Senss	S12300	215-685-6258

SUBMISSION INFORMATION

*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).

Submitted By GreenPort User	SENSSM	Submitted By Full Name	Mary Ellen Senss
Email Address	maryellen.senss@phila.gov	Document Generated	1/26/2016

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES
Southwest Water Pollution Control Plant
NPDES SUMMARY FOR THE MONTH OF DECEMBER 2015

Central Laboratory

Stormwater Sampling (mg/L)

Southwest WPCP - Outfall

09/10/2015

COD	<	50
HEM (Oil & Grease)	<	5
Phosphorous Total		0.433
TKN	<	2.4
CBOD5		8
TSS		51.2

Stormwater Sampling (pH)

09/10/2015

pH		7.44
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Stormwater Sampling (#/100mls)

09/10/2015

Fecal Coliform	>	2419.6
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PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES
Southwest Water Pollution Control Plant
NPDES SUMMARY FOR THE MONTH OF DECEMBER 2015

Central Laboratory

PCB (pg/L)

Southwest WPCP - Outfall

PCB	04/27/2015	07/25/2015	08/12/2015	10/10/2015	AVG
Dry Test	3,328	3,806			3,567
Wet Test			5,143	4,354	4,749



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

*DEBRA MCCARTY
Commissioner*

January 22, 2016

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Southwest Water Pollution Control Plant for December 2015. 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 : 8362

Submission Status : Received

Facility Name : PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTROL PLANT

Permit Number : PA0026671

Report Type : Quarterly

Monitoring Report Period : 10/01/2015-12/31/2015

Monitoring Report Due Date : 01/28/2016

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

HEADER INFORMATION

Facility ID:	479110	Facility Name:	PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTROL PLANT	Location Address:	8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153
Permit Number:	PA0026671	Monitoring Period:	10/01/2015-12/31/2015	Mailing Address:	1101 MARKET ST4TH 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	***	***	***	***	***	2	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
alpha-Endosulfan	Sample Measurement	***	***	***	***	.0000100	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Benzidine	Sample Measurement	***	***	***	***	.0570	***	mg/L	Grab	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/quarter
4,4-DDT	Sample Measurement	***	***	***	***	.0000200	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDD	Sample Measurement	***	***	***	***	.0000200	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDE	Sample Measurement	***	***	***	***	.0000200	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
beta-BHC	Sample Measurement	***	***	***	***	.0000100	***	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	***	***	***	***	.0000200	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Heptachlor	Sample Measurement	***	***	***	***	.0000100	***	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)**

Toxicity, Chronic - Pimephales Survival	Sample Measurement	***	***	***	***	***	2	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS			
File Name	Attachment Type	Uploaded Time	Attachment Comment
SW WET Testing Composite (01-21-2016).pdf	Laboratory Accreditation Form	2016-01-26T15:48:11-05:00	
Cryptographic Hash Value of File (SHA-512)	51EC98FA80297120C26F3E38FB3D771C80CB11AFEF81FB2DB84D4AA09730B40508D91164CDA37AF98B740A7EEAF6977355EE2A498267209480611687F2A10A24		
BLSSW201512.xls	WET Test Summary Report	2016-01-26T15:49:27-05:00	
Cryptographic Hash Value of File (SHA-512)	7EBEB9863154F434CD2E4355E9A4174E5335F00C6E579E89886CD1DB6A48CB33F20041FD88F77364AD26042A4A11D3F2574CAAEC31E74EF608F55476A1AA1A2		

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
Quarterly NPDES DMR data as required. Please see attachment for data qualifiers.	Mary Ellen Senss	S12300	215-685-6258

SUBMISSION INFORMATION

*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).

Submitted By GreenPort User	SENSSM	Submitted By Full Name	Mary Ellen Senss
Email Address	maryellen.senss@phila.gov	Document Generated	1/26/2016

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF DECEMBER 2015

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
12/02/2015	0.678	0.712	16.00	18.20	0.371
12/07/2015	0.955	0.848	28.10	27.40	0.170
12/09/2015	0.936	0.777	29.10	27.90	0.170
12/11/2015	0.854	0.727	22.50	22.40	0.170
12/16/2015	0.602	0.676	27.50	26.30	0.289
12/23/2015	0.827	0.535	23.10	22.70	0.274
12/30/2015	0.527	0.832	7.80	9.50	0.335
AVG	0.768	0.730	22.01	22.06	0.254
MAX	0.955	0.848	29.10	27.90	0.371

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Total Cyanide	Free Cyanide	Phenolics
12/02/2015	< 0.010		
12/07/2015		< 0.010	< 0.040
12/09/2015		< 0.010	< 0.040
12/11/2015		< 0.010	< 0.040
AVG		< 0.010	< 0.040

Metals Data

Southwest WPCP - Outfall

Date	12/07/2015	12/09/2015	12/11/2015	AVG
Copper	0.0840	0.0060	0.0050	0.0317
Iron	< 0.2000	< 0.2000	< 0.2000	0.2000
Iron Dissolved	< 0.2000	< 0.2000	< 0.2000	0.2000
Lead	0.0040	< 0.0010	< 0.0010	< 0.0020
Nickel	0.0030	0.0040	0.0040	0.0037
Selenium	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Zinc	0.0260	0.0280	0.0360	0.0300

Organics Data (mg/L)

Southwest WPCP - Outfall

	12/06/2015	12/07/2015	12/08/2015	12/09/2015	12/10/2015	12/11/2015	AVG
1,2-Dichloroethane	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0050	< 0.0050	< 0.0050
alpha-Endosulfan		< 0.0000100		< 0.0000100		< 0.0000100	< 0.0000100
Benzidine		< 0.0570		< 0.0570		< 0.0570	< 0.0570
beta-BHC		< 0.0000100		< 0.0000100		< 0.0000100	< 0.0000100
Chlordane		< 0.0004000		< 0.0004000		< 0.0004000	< 0.0004000
Chloroform	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0050	< 0.0050	< 0.0050
Dieldrin		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
Heptachlor		< 0.0000100		< 0.0000100		< 0.0000100	< 0.0000100
Lindane (Gamma-BHC)		< 0.0000100		< 0.0000100		< 0.0000100	< 0.0000100
p,p'-DDD		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
p,p'-DDE		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
p,p'-DDT		< 0.0000200		< 0.0000200		< 0.0000200	< 0.0000200
Tetrachloroethylene	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0050	< 0.0050	< 0.0050
Trichloroethylene	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0050	< 0.0050	< 0.0050

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF DECEMBER 2015

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

12/11/2015

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic		2
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic		2



*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 Southwest 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 : 11916

Submission Status : Received

Facility Name : PHILA WATER DEPT - SOUTHWEST WPC PLANT

Permit Number : PA0026671

Report Type : Monthly

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

Monitoring Report Due Date : 02/28/2016

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for January 2016

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

PERMIT

SWWPCP - JANUARY 2016

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			
F	01/01/2016	163	155	4	97	5,438		97	3	96.91		4,078		
S	01/02/2016	161	127	3	98	4,028		97	4	95.86		5,371		
Su	01/03/2016	160	136	4	97	5,338		101	3	97.03		4,003		
M	01/04/2016	158	201	6	97	7,906		94	4	95.73		5,271		13
T	01/05/2016	156	139	3	98	3,903		109	4	96.33		5,204		
W	01/06/2016	143	149	5	97	5,963		94	3	96.81		3,578		12
Th	01/07/2016	142	167	5	97	5,921		111	4	96.38		4,737		
F	01/08/2016	145	137	4	97	4,837		117	5	95.72		6,047		
S	01/09/2016	164	136	6	96	8,207		120	6	94.99		8,207		
Su	01/10/2016	232	113	7	94	13,544		87	6	93.14		11,609		
M	01/11/2016	150	136	5	96	6,255		99	5	94.96		6,255		14
T	01/12/2016	146	138	5	96	6,088		113	3	97.34		3,653		
W	01/13/2016	145	147	5	97	6,047		110	3	97.28		3,628		14
Th	01/14/2016	141	150	6	96	7,056		115	NR	ND		ND		
F	01/15/2016	182	153	6	96	9,107		112	6	94.66		9,107		
S	01/16/2016	150	127	4	97	5,004		101	4	96.05		5,004		
Su	01/17/2016	147	132	3	98	3,678		106	3	97.18		3,678		
M	01/18/2016	150	112	4	96	5,004		98	5	94.91		6,255		14
T	01/19/2016	144	128	6	95	7,206		97	4	95.90		4,804		
W	01/20/2016	144	142	5	96	6,005		101	5	95.02		6,005		20
Th	01/21/2016	142	158	5	97	5,921		110	4	96.37		4,737		
F	01/22/2016	144	163	5	97	6,005		104	4	96.14		4,804		
S	01/23/2016	151	114	4	96	5,037		111	6	94.60		7,556		
Su	01/24/2016	160	154	2	99	2,669		106	5	95.30		6,672		
M	01/25/2016	162	147	7	95	9,458		103	4	96.13		5,404		14
T	01/26/2016	195	154	4	97	6,505		87	4	95.39		6,505		
W	01/27/2016	186	154	6	96	9,307		86	4	95.36		6,205		12
Th	01/28/2016	160	155	5	97	6,672		89	5	94.40		6,672		
F	01/29/2016	155	130	3	98	3,878		91	4	95.58		5,171		
S	01/30/2016	154	160	5	97	6,422		84	5	94.05		6,422		
Su	01/31/2016	166	135	6	96	8,307		111	7	93.67		9,691		

TOTAL	4,898	4,449	148					3,162	132					
AVERAGE	158	144	5	97		6,346		102	4	95.64		5,878		14

Wk1	153	152	5			6,011		106	4			5,292		
Wk2	164	138	5			7,586		105	5			6,543		
Wk3	146	136	5			5,551		104	4			5,406		
Wk4	167	151	5			6,416		92	4			6,150		

MAX	232
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CBOD 20 LBS----	18,119
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - JANUARY 2016

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
F	01/01/2016	163		7.0		5.8		0.13	15
S	01/02/2016	161		7.0		6.1		0.13	14
Su	01/03/2016	160		7.0		6.1		0.16	19
M	01/04/2016	158		7.0		5.6		0.12	194
T	01/05/2016	156		7.0		6.3		0.21	17
W	01/06/2016	143		7.0		6.8		0.16	9
Th	01/07/2016	142		7.0		6.5		0.18	38
F	01/08/2016	145		7.0		6.2		0.16	118
S	01/09/2016	164		7.0		5.9		0.16	86
Su	01/10/2016	232		7.0		6.3		0.26	> 2,420
M	01/11/2016	150		7.0		6.1		0.14	73
T	01/12/2016	146		7.0		5.9		0.24	10
W	01/13/2016	145		7.1		6.4		0.47	12
Th	01/14/2016	141		7.0		5.4		0.20	17
F	01/15/2016	182		7.0		5.9		0.17	10
S	01/16/2016	150		7.0		7.0		0.16	20
Su	01/17/2016	147		7.0		5.6		0.19	9
M	01/18/2016	150		7.0		6.1		0.14	3
T	01/19/2016	144		7.0		6.1		0.05	16
W	01/20/2016	144		7.0		6.3		0.17	16
Th	01/21/2016	142		7.0		6.1		0.26	16
F	01/22/2016	144		7.1		6.6		0.26	23
S	01/23/2016	151		7.3		6.2		0.11	8
Su	01/24/2016	160		7.1		6.6		0.14	12
M	01/25/2016	162		6.9		7.9		0.15	12
T	01/26/2016	195		7.0		6.4		0.11	12
W	01/27/2016	186		7.0		6.8		0.29	102
Th	01/28/2016	160		7.0		7.7		0.16	13
F	01/29/2016	155		7.0		7.3		0.17	7
S	01/30/2016	154		7.0		6.7		0.16	5
Su	01/31/2016	166		7.0		6.4		0.11	7
Total		4,898	MIN	MAX	MIN		AVG	AVG	MAX
Avg		158	6.9	7.3	5.4		6.4	0.18	0.47
									MEAN
									20

Wk1 153
Wk2 164
Wk3 146
Wk4 167

MAX	232
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NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - JANUARY 2016

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
01/01/2016	22	129	148	156	155	150	89	97
01/02/2016	22	126	144	124	127	144	89	97
01/03/2016	22	126	164	132	136	183	88	101
01/04/2016	21	126	184	204	201	138	87	94
01/05/2016	20	124	184	132	139	144	104	109
01/06/2016	20	112	152	148	149	131	88	94
01/07/2016	21	110	184	164	167	171	100	111
01/08/2016	20	112	168	132	137	159	110	117
01/09/2016	21	127	164	132	136	179	111	120
01/10/2016	30	183	176	104	113	144	79	87
01/11/2016	21	116	160	132	136	150	91	99
01/12/2016	21	114	152	136	138	147	107	113
01/13/2016	21	112	168	144	147	152	103	110
01/14/2016	20	109	184	144	150	165	107	115
01/15/2016	22	146	188	148	153	158	106	112
01/16/2016	22	116	192	116	127	143	94	101
01/17/2016	21	114	180	124	132	168	96	106
01/18/2016	21	115	164	104	112	142	91	98
01/19/2016	20	112	200	116	128	150	89	97
01/20/2016	20	112	204	132	142	147	93	101
01/21/2016	20	110	220	148	158	161	102	110
01/22/2016	20	111	184	160	163	164	94	104
01/23/2016	20	118	176	104	114	165	103	111
01/24/2016	21	127	192	148	154	188	94	106
01/25/2016	22	127	220	136	147	150	96	103
01/26/2016	23	158	200	148	154	108	84	87
01/27/2016	25	147	168	152	154	120	81	86
01/28/2016	23	124	244	140	155	156	78	89
01/29/2016	21	121	192	120	130	126	85	91
01/30/2016	22	119	184	156	160	168	70	84
01/31/2016	24	129	176	128	135	156	103	111
AVG	22	124	181	138	144	152	94	102

PERMIT

SWWPCP - JANUARY 2016

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
01/01/2016		167			
01/02/2016		159			
01/03/2016		194			
01/04/2016	100	149	107	16	85%
01/05/2016		156			
01/06/2016	96	150	104	18	83%
01/07/2016		197			
01/08/2016		171			
01/09/2016		203			
01/10/2016		159			
01/11/2016	106	160	114	18	84%
01/12/2016		153			
01/13/2016	116	159	122	10	92%
01/14/2016		177			
01/15/2016		170			
01/16/2016		178			
01/17/2016		168			
01/18/2016	116	167	123	11	91%
01/19/2016		165			
01/20/2016	111	164	118	16	86%
01/21/2016		194			
01/22/2016		179			
01/23/2016		185			
01/24/2016		230			
01/25/2016	126	171	132	11	92%
01/26/2016		174			
01/27/2016	109	163	116	11	91%
01/28/2016		165			
01/29/2016		138			
01/30/2016		180			
01/31/2016		197			
AVG	110	172	117	14	88%

DESIGN - 200 MGD

DATE	SWWPCP - JANUARY 2016					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
01/01/2016	22	129	12	163	186	
01/02/2016	22	126	13	161	186	
01/03/2016	22	126	12	160	186	
01/04/2016	21	126	11	158	180	
01/05/2016	20	124	12	156	190	
01/06/2016	20	112	11	143	169	
01/07/2016	21	110	11	142	165	
01/08/2016	20	112	13	145	168	
01/09/2016	21	127	16	164	403	T
01/10/2016	30	183	19	232	370	0.63
01/11/2016	21	116	13	150	180	
01/12/2016	21	114	11	146	168	T
01/13/2016	21	112	12	145	161	
01/14/2016	20	109	12	141	165	
01/15/2016	22	146	14	182	305	0.16
01/16/2016	22	116	12	150	177	0.20
01/17/2016	21	114	12	147	178	0.04
01/18/2016	21	115	14	150	172	
01/19/2016	20	112	12	144	168	
01/20/2016	20	112	12	144	166	
01/21/2016	20	110	12	142	170	
01/22/2016	20	111	13	144	190	0.20
01/23/2016	20	118	13	151	264	1.40
01/24/2016	21	127	12	160	190	
01/25/2016	22	127	13	162	196	
01/26/2016	23	158	14	195	256	
01/27/2016	25	147	14	186	235	T
01/28/2016	23	124	13	160	186	
01/29/2016	21	121	13	155	177	T
01/30/2016	22	119	13	154	182	
01/31/2016	24	129	13	166	207	
TOTAL	669	3,832	397	4,898		2.63
AVG	22	124	13	158		
		MIN		141	161	
		MAX		232	403	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JANUARY 2016

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
01/06/2016	0.858	0.346	18.70	20.40	0.285
01/13/2016	0.643	0.358	28.80	26.50	0.278
01/20/2016	0.802	0.356	25.00	29.00	0.514
01/27/2016	0.616	0.358	24.20	27.10	0.663
AVG	0.730	0.355	24.18	25.75	0.435
MAX	0.858	0.358	28.80	29.00	0.663

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
01/06/2016		< 0.010	
01/07/2016	< 0.010		< 0.040

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	01/06/2016
Copper	0.0070
Iron	0.2030
Iron Dissolved	0.0620
Lead	< 0.0030
Nickel	0.0030
Selenium	< 0.0030
Zinc	0.0470

Organics Data (mg/L)

Southwest WPCP - Outfall

	01/04/2016
1,2-Dichloroethane	< 0.0025
Chloroform	< 0.0025
Tetrachloroethylene	< 0.0025
Trichloroethylene	< 0.0025

File Name: 201601SL
 Print Date: 02/24/2016

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP				
JANUARY 2016	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT		
	Biosolids Recycle Center / Synagro			Biosolids Recycle Center / Synagro				
	From NEWPCP MGD	MGD			From SWWPCP 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		
TOTAL	26.227	26.310	2,259	31.869	32.506	2,701		
AVERAGE	0.846	0.849	73	1.028	1.049	87		

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

HEADER INFORMATION					
Facility ID:	479110	Facility Name:	PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTROL PLANT	Location Address:	8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153
Permit Number:	PA0026671	Monitoring Period:	01/01/2016-01/31/2016	Mailing Address:	1101 MARKET ST4TH 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	***	***	***	5.4	6.4	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.9	***	7.3	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	6346	7586	lbs/day	***	5	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	24.18	28.80	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	***	***	***	***	.730	.858	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	***	***	***	***	.355	.358	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	***	***	***	***	25.75	29.00	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	***	***	***	***	.435	.663	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
Copper, Total	Sample Measurement	***	***	***	***	.0070	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0620	***	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

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

Nickel, 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	***	***	***	***	.0470	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Selenium, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	158	232	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.18	.47	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement	***	***	***	***	.010	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
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	***	***	***	***	20	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	5878	6150	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	18119	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	95.64	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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										

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

Sampling Point		101		Stage Code			Final Effluent		No Discharge Indicator	Y
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS			
File Name	Attachment Type	Uploaded Time	Attachment Comment
WW NPDES Monthly Influent Composite (02-25-2016).pdf	Laboratory Accreditation Form	2016-02-25T11:07:29-05:00	
Cryptographic Hash Value of File (SHA-512)	22E8CA537AA5A0AF8FB455EBA4BCC293EB8A0E42C54BCA44BF9618014AEA61F97EF399F28A1D0219716092CD3DA7BD80B542D0A489C3B8E8DA46219BD9AE1A19		
SW Outfall Monthly Composite 1 (02-25-2016).pdf	Laboratory Accreditation Form	2016-02-25T11:06:51-05:00	
Cryptographic Hash Value of File (SHA-512)	DF3920F309AC46E21A070552108997E62359B91AEF643DA56A233C3C7B1EA0316C1D86BED775767F21B182EF9D7D9EBFA3E2A65CA73AA36221A4C71B31B75707		
E-NPDES SW201601.xls	Daily Effluent Monitoring Form	2016-02-25T09:44:20-05:00	
Cryptographic Hash Value of File (SHA-512)	E098E57D849016F2F5D5E8B1F91A8CBB13265AF8B4E3BB4ECBFAD8411EFF23EBC528C14063F290569718818DE25E7DDF7CFEA4A435CE1CBF6FC78A40913DF0CA		
201601SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-02-25T09:45:47-05:00	
Cryptographic Hash Value of File (SHA-512)	5914DDE18B5085C0131771E8A76045351364DF6536A36C8C0FC4670DF4DFF490C2FDEFC0E9468D3E6947DA499CEBB1BE07E92DAB4E8E76FACE6CE3EE90AE458D		
SWCSO 201601.xls	CSO Detailed Outfall Report Form	2016-02-25T09:45:19-05:00	
Cryptographic Hash Value of File (SHA-512)	CDB2474A2C971CAC5363225D8235F908528BF9D8B7F578FA62C0C3C4923DDAB69DCF3E62801E1BD9C6B90EA9A0B79453318738A44B413AD0188EB5068D38F5F6		
BLSSW201601.xls	Nutrient Monitoring Form	2016-02-25T09:44:51-05:00	
Cryptographic Hash Value of File (SHA-512)	8CAF3EA0838540A3BDC9D98A56787DC7DE6F4883EC339C04F50D256A70952029E3F6FDD58C42F960CF231398B9EC5C688F0E0FEAEF9C1C6D3DECFD049E3FB2BE		

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

*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).

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

SW Outfall Monthly Composite 1

Report Date: 02/04/2016

WW160106-027

Composite 24h 01/06/2016 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Mercury ^{B,D}	EPA 245.1	1/11/2016	11:04	1/12/2016	8:38	<0.00020 ^E	mg/L	0.00020	mg/L

Data Qualifiers:

Mercury	The matrix spike recovery was 57%. The allowable range is 80-120.
---------	-------------------------------------------------------------------

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 Southwest 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 : 15048

Submission Status : Received

Facility Name : PHILA WATER DEPT - SOUTHWEST WPC PLANT

Permit Number : PA0026671

Report Type : Monthly

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

Monitoring Report Due Date : 03/28/2016

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for February 2016

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET
 MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

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

HEADER INFORMATION					
Facility ID:	479110	Facility Name:	PHILA WATER DEPT - SOUTHWEST WATER POLLUTION CONTROL PLANT	Location Address:	8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153
Permit Number:	PA0026671	Monitoring Period:	02/01/2016-02/29/2016	Mailing Address:	1101 MARKET ST4TH 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	***	***	***	6.1	7.4	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.9	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	8835	9929	lbs/day	***	6	6	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	20.10	26.50	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	***	***	***	***	.575	.647	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	***	***	***	***	.539	.648	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	***	***	***	***	22.53	30.70	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	***	***	***	***	.651	.732	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
Copper, Total	Sample Measurement	***	***	***	***	.0090	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.1470	***	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

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

Nickel, 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	***	***	***	***	.0420	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Selenium, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	184	322	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.18	.35	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement	***	***	***	***	.010	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
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	***	***	***	***	17	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	7391	8477	lbs/day	***	5	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	26086	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	94.90	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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
Facility Comments										

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

Sampling Point		101		Stage Code			Final Effluent		No Discharge Indicator	Y
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS			
File Name	Attachment Type	Uploaded Time	Attachment Comment
E-NPDES SW201602.xls	Daily Effluent Monitoring Form	2016-03-24T10:14:44-04:00	
Cryptographic Hash Value of File (SHA-512)	A3B3BE6BE8BDD0B69A4A53237947FBEBEC4097EC5C2534F10FBA9DBBC0130C9E6B7FF9D19FC9C5ABDB9719BE623F263CB909497FA286443E98E5DB2814B62BF83		
BLSSW201602.xls	Nutrient Monitoring Form	2016-03-24T10:15:14-04:00	
Cryptographic Hash Value of File (SHA-512)	938757A7EFF6E9654DA6C27F161E1B643BDD42F2B883B55832D4A207AF9A0632FA45DBD0F32ED63644132F9EA841B4EC22A7287D17BE6FDE357A9E6FC840CA62		
201602SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-03-24T10:15:41-04:00	
Cryptographic Hash Value of File (SHA-512)	F221D25D17688681FD6014D3249242CE2C2C94EFA4DC92DF26AB428F17DFAF96DBD96DAFC3111AD32F255B562CE360F1247ECAC3FE1EBF5764A8369BC19A5695		
SWCSO 201602.xls	CSO Detailed Outfall Report Form	2016-03-24T10:16:08-04:00	
Cryptographic Hash Value of File (SHA-512)	3C2BA413F1CCE9F5BD52C7ADFC07C512D25929ED9DD107BA9A3D85A00900C9E23D4E28538C11B24F0B23E859841BCCE5BDA2703A32240DDD0B2B2D1D3A6E30A		

**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
All NPDES permit requirements were met during the month. There were no CSO's caused by plant activities.	Mary Ellen Senss	S12300	215-685-6258

SUBMISSION INFORMATION			
*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).			
Submitted By GreenPort User	SENSSM	Submitted By Full Name	Mary Ellen Senss
Email Address	maryellen.senss@phila.gov	Document Generated	3/24/2016

PERMIT

SWWPCP - FEBRUARY 2016

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf		CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*			(mg/l)	(mg/l)	CBOD5 %REM	CBOD5* %REM			
Su	01/31/2016	166	135	6	96	8,307		111	7	93.67		9,691		
M	02/01/2016	195	121	6	95	9,758		85	3	96.49		4,879		11
T	02/02/2016	165	131	6	95	8,257		84	5	94.04		6,881		
W	02/03/2016	239	169	8	95	15,946		94	6	93.60		11,960		17
Th	02/04/2016	201	109	6	95	10,081		79	4	94.91		6,720		
F	02/05/2016	230	95	4	96	7,673		81	5	93.81		9,591		
S	02/06/2016	165	116	5	96	6,881		103	5	95.13		6,881		
Su	02/07/2016	166	118	4	97	5,538		105	5	95.26		6,922		
M	02/08/2016	169	143	6	96	8,478		85	5	94.11		7,065		11
T	02/09/2016	169	152	6	96	8,457		89	4	95.51		5,638		
W	02/10/2016	161	126	5	96	6,714		89	4	95.51		5,371		13
Th	02/11/2016	154	158	5	97	6,422		105	5	95.24		6,422		
F	02/12/2016	156	127	4	97	5,204		97	4	95.89		5,204		
S	02/13/2016	152	124	5	96	6,338		94	4	95.76		5,071		
Su	02/14/2016	152	128	5	96	6,338		111	6	94.60		7,606		
M	02/15/2016	188	198	6	97	9,408		126	7	94.46		10,975		17
T	02/16/2016	278	182	9	95	20,867		83	5	93.99		11,593		
W	02/17/2016	170	120	5	96	7,089		100	4	96.01		5,671		13
Th	02/18/2016	165	136	7	95	9,633		87	4	95.41		5,504		
F	02/19/2016	164	137	5	96	6,839		80	4	95.00		5,471		
S	02/20/2016	153	134	7	95	8,932		96	6	93.77		7,656		
Su	02/21/2016	162	114	4	96	5,404		109	5	95.39		6,755		
M	02/22/2016	153	123	5	96	6,380		105	8	92.41		10,208		26
T	02/23/2016	202	125	6	95	10,108		91	5	94.49		8,423		
W	02/24/2016	322	175	11	94	29,540		84	8	90.46		19,800	21,484	17
Th	02/25/2016	238	114	4	96	7,940		84	2	97.61		3,970		
F	02/26/2016	177	114	3	97	4,429		81	4	95.09		5,905		
S	02/27/2016	171	132	4	97	5,705		88	3	96.59		4,278		
Su	02/28/2016	169	104	4	96	5,638		85	3	96.48		4,228		
M	02/29/2016	162	122	5	96	6,755		106	4	96.22		5,404		

TOTAL	5,515	3,982	166					2,818	144					
AVERAGE	184	133	6	96		8,835		94	5	94.90		7,391		16

Wk1	194	125	6			9,557		91	5			8,086		
Wk2	161	135	5			6,736		95	4			5,956		
Wk3	181	148	6			9,872		98	5			7,782		
Wk4	204	128	5			9,929		92	5			8,477		

MAX	322
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CBOD 20 LBS----	26,086
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - FEBRUARY 2016

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
M	02/01/2016	195		7.0		6.4		0.11	3
T	02/02/2016	165		7.0		6.1		0.14	14
W	02/03/2016	239		7.0		7.7		0.17	6
Th	02/04/2016	201		7.0		6.4		0.27	5
F	02/05/2016	230		7.0		7.3		0.27	16
S	02/06/2016	165		7.0		7.8		0.26	15
Su	02/07/2016	166		7.0		7.6		0.22	16
M	02/08/2016	169		7.0		6.6		0.16	6
T	02/09/2016	169		7.0		6.3		0.11	47
W	02/10/2016	161		7.0		6.3		0.11	4
Th	02/11/2016	154		7.0		6.2		0.12	24
F	02/12/2016	156		7.0		6.5		0.20	61
S	02/13/2016	152		7.0		8.1		0.08	31
Su	02/14/2016	152		6.9		7.9		0.15	20
M	02/15/2016	188		7.1		7.3		0.13	4
T	02/16/2016	278		7.0		8.5		0.17	411
W	02/17/2016	170		7.0		7.9		0.35	15
Th	02/18/2016	165		7.0		8.4		0.27	4
F	02/19/2016	164		7.0		8.5		0.19	8
S	02/20/2016	153		7.0		7.6		0.15	32
Su	02/21/2016	162		7.1		7.0		0.14	121
M	02/22/2016	153		7.0		6.9		0.23	51
T	02/23/2016	202		7.0		7.6		0.11	50
W	02/24/2016	322		7.0		7.4		0.16	28
Th	02/25/2016	238		7.0		8.0		0.34	17
F	02/26/2016	177		7.0		7.6		0.17	36
S	02/27/2016	171		7.0		7.8		0.13	11
Su	02/28/2016	169		7.1		8.3		0.14	6
M	02/29/2016	162		7.0		7.6		0.09	11
Total Avg		5,349 184	MIN 6.9	MAX 7.1	MIN 6.1	AVG 7.4	AVG 0.18	MAX 0.35	MEAN 17

Wk1 194
Wk2 161
Wk3 181
Wk4 204

MAX	322
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NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT SWWPCP - FEBRUARY 2016

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
02/01/2016	28	153	148	116	121	142	76	85
02/02/2016	25	127	192	120	131	156	71	84
02/03/2016	35	184	176	168	169	110	91	94
02/04/2016	30	155	116	108	109	105	74	79
02/05/2016	32	182	112	92	95	98	78	81
02/06/2016	26	126	160	108	116	138	96	103
02/07/2016	25	127	152	112	118	147	98	105
02/08/2016	24	131	164	140	143	127	78	85
02/09/2016	23	132	180	148	152	121	84	89
02/10/2016	23	125	160	120	126	107	86	89
02/11/2016	22	119	168	156	158	141	99	105
02/12/2016	22	120	168	120	127	105	96	97
02/13/2016	22	116	172	116	124	102	93	94
02/14/2016	22	118	176	120	128	159	103	111
02/15/2016	23	151	212	196	198	164	121	126
02/16/2016	39	213	220	176	182	115	78	83
02/17/2016	26	131	120	120	120	141	93	100
02/18/2016	25	127	180	128	136	116	82	87
02/19/2016	24	126	164	132	137	133	71	80
02/20/2016	23	118	168	128	134	115	93	96
02/21/2016	24	126	148	108	114	152	101	109
02/22/2016	22	119	164	116	123	144	99	105
02/23/2016	25	163	160	120	125	124	86	91
02/24/2016	50	238	172	176	175	94	82	84
02/25/2016	39	178	84	120	114	149	71	84
02/26/2016	28	135	144	108	114	89	80	81
02/27/2016	27	130	152	128	132	125	81	88
02/28/2016	27	127	128	100	104	144	74	85
02/29/2016	25	124	136	120	122	122	103	106
AVG	27	142	158	128	133	127	88	93

PERMIT

SWWPCP - FEBRUARY 2016

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
02/01/2016	98	152	106	15	86%
02/02/2016		174			
02/03/2016	117	139	120	18	85%
02/04/2016		134			
02/05/2016		134			
02/06/2016		155			
02/07/2016		167			
02/08/2016	96	138	102	9	91%
02/09/2016		132			
02/10/2016	104	149	110	10	91%
02/11/2016		154			
02/12/2016		138			
02/13/2016		144			
02/14/2016		174			
02/15/2016	133	211	143	15	89%
02/16/2016		162			
02/17/2016	108	153	115	10	91%
02/18/2016		165			
02/19/2016		147			
02/20/2016		171			
02/21/2016		162			
02/22/2016	115	164	122	11	91%
02/23/2016		168			
02/24/2016	124	133	125	16	87%
02/25/2016		162			
02/26/2016		130			
02/27/2016		145			
02/28/2016		153			
02/29/2016		144			
AVG	112	154	118	13	89%

DESIGN - 200 MGD

DATE	SWWPCP - FEBRUARY 2016					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
02/01/2016	28	153	14	195	275	0.10
02/02/2016	25	127	13	165	185	
02/03/2016	35	184	20	239	416	0.46
02/04/2016	30	155	16	201	350	0.01
02/05/2016	32	182	16	230	325	0.40
02/06/2016	26	126	13	165	204	
02/07/2016	25	127	14	166	202	
02/08/2016	24	131	14	169	200	0.01
02/09/2016	23	132	14	169	200	0.05
02/10/2016	23	125	13	161	185	0.04
02/11/2016	22	119	13	154	180	
02/12/2016	22	120	14	156	177	0.01
02/13/2016	22	116	14	152	182	T
02/14/2016	22	118	12	152	175	
02/15/2016	23	151	14	188	311	0.40
02/16/2016	39	213	26	278	473	0.56
02/17/2016	26	131	13	170	196	
02/18/2016	25	127	13	165	194	
02/19/2016	24	126	14	164	190	
02/20/2016	23	118	12	153	189	
02/21/2016	24	126	12	162	212	0.03
02/22/2016	22	119	12	153	171	
02/23/2016	25	163	14	202	304	0.28
02/24/2016	50	238	34	322	501	1.91
02/25/2016	39	178	21	238	301	0.09
02/26/2016	28	135	14	177	196	
02/27/2016	27	130	14	171	199	
02/28/2016	27	127	15	169	192	
02/29/2016	25	124	13	162	184	0.01
TOTAL	786	4,122	441	5,349		4.36
AVG	27	142	15	184		
			MIN	152	171	
			MAX	322	501	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF FEBRUARY 2016

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
02/03/2016	0.631	0.608	21.00	20.80	0.618
02/11/2016	0.647	0.445	26.50	30.70	0.533
02/17/2016	0.398	0.648	11.00	14.80	0.732
02/24/2016	0.623	0.454	21.90	23.80	0.722
 AVG	0.575	0.539	20.10	22.53	0.651
MAX	0.647	0.648	26.50	30.70	0.732

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
02/03/2016		0.037	
02/04/2016	< 0.010		< 0.040

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	02/03/2016
Copper	0.0090
Iron	0.2270
Iron Dissolved	0.1470
Lead	< 0.0030
Nickel	0.0030
Selenium	< 0.0030
Zinc	< 0.0420

Organics Data (mg/L)

Southwest WPCP - Outfall

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

File Name: 201602SL
 Print Date: 03/21/2016

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP		
Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP		Sludge Processed by Biosolids Recycle Center / Synagro From NEWPCP		Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP		Sludge Processed by Biosolids Recycle Center / Synagro From SWWPCP
FEBRUARY 2016	MGD	MGD	DT	MGD	MGD	DT
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
TOTAL	26.445	26.020	2,255	34.125	34.095	2,949
AVERAGE	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 Southwest 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: 17944

Submission Status: Received
Facility Name: PHILA WATER DEPT - SOUTHWEST WPC PLANT
Permit Number: PA0026671
Report Type: Monthly
Monitoring Report Period: 03/01/2016 - 03/31/2016
Monitoring Report Due Date: 04/28/2016

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for March 2016

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

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

HEADER INFORMATION					
Facility ID:	479110	Facility Name:	PHILA WATER DEPT - SOUTHWEST WPC PLANT	Location Address:	8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153
Permit Number:	PA0026671	Monitoring Period:	03/01/2016-03/31/2016	Mailing Address:	1101 MARKET ST4TH 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	***	***	***	5.1	6.5	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	7.0	***	7.2	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	6751	8303	lbs/day	***	5	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	21.84	27.60	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	***	***	***	***	.590	.647	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	***	***	***	***	.358	.541	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	***	***	***	***	25.99	32.00	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	***	***	***	***	.387	.539	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	***	***	***	***	<.0025	***	mg/L	Grab	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
Copper, Total	Sample Measurement	***	***	***	***	.0097	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0730	***	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

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

Nickel, 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	***	***	***	***	.0380	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Selenium, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	158	265	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.12	.27	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement	***	***	***	***	.010	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
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	***	***	***	***	23	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	6903	7357	lbs/day	***	5	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	18943	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	95.00	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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										

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

Sampling Point		101		Stage Code			Final Effluent		No Discharge Indicator	Y
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS			
File Name	Attachment Type	Uploaded Time	Attachment Comment
201603SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-04-27T16:19:05-04:00	
Cryptographic Hash Value of File (SHA-512)	DDB53C07D5B77C59ECBFE243C00A8AB228DFAF65C21FD3016BFEC191521687DB16DD1BD5149861456332A55F408B08E2FAE3F3E6CB3852FCF1BB29888D98A67E		
E-NPDES SW201603.xls	Daily Effluent Monitoring Form	2016-04-28T08:36:17-04:00	
Cryptographic Hash Value of File (SHA-512)	1F502A1AEE3DDC5DEFBAB751E940C6309FA4175D11EEF120E29F03019DA20F11BEC9078A347CA1F39262463F72CD652ECF583E3D161CCD5A6088C034494848F1		
SW WET Testing Composite (04-26-2016).pdf	Laboratory Accreditation Form	2016-04-27T16:16:23-04:00	
Cryptographic Hash Value of File (SHA-512)	776775C3BF4040A76BD5359B4B599400513E1FBC9CBB5C487163D36E98A3841EF122750DA7E7483F95911FA5176521E8D8AEBD64AF09939EF835515B8A21BC21		
SWCSO 201603.xls	CSO Detailed Outfall Report Form	2016-04-27T16:18:40-04:00	
Cryptographic Hash Value of File (SHA-512)	4961DB490B5791FA657A73B8E004AC92C278CC5D3028D9825722ADC3ED94284C15F9A1665E2E0FF059850E8E0AF99CD56E48426FB3A8E129E8F3AF8D1BF16FA2		
BLSSW201603.xls	Nutrient Monitoring Form	2016-04-27T16:17:37-04:00	
Cryptographic Hash Value of File (SHA-512)	9407766E7EF6F384A2382AAA0633F0C013823164B4C17B6F53307FE2ABB99B67C5707BC557BE55790FADB3638C41EEAD530D4596EA5A73B54E4FE03E19553A86		

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
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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 qualifiers.	Mary Ellen Senss	S12300	215-685-6258

SUBMISSION INFORMATION

*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).

Submitted By GreenPort User	SENSSM	Submitted By Full Name	Mary Ellen Senss
Email Address	maryellen.senss@phila.gov	Document Generated	4/28/2016

PERMIT

SWWPCP - MARCH 2016

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			
Su 02/28/2016	169	104	4	96		5,638		85	3	96.48		4,228		
M 02/29/2016	162	122	5	96		6,755		106	4	96.22		5,404		
T 03/01/2016	174	139	3	98		4,353		113	6	94.69		8,707		15
W 03/02/2016	177	131	6	95		8,857		104	4	96.15		5,905		
Th 03/03/2016	159	114	4	96		5,304		109	5	95.40		6,630		14
F 03/04/2016	166	159	3	98		4,153		100	6	93.97		8,307		
S 03/05/2016	154	127	5	96		6,422		99	5	94.97		6,422		
Su 03/06/2016	159	139	5	96		6,630		97	4	95.87		5,304		
M 03/07/2016	151	184	5	97		6,297		90	6	93.32		7,556		13
T 03/08/2016	155	168	6	96		7,756		98	6	93.88		7,756		
W 03/09/2016	150	178	5	97		6,255		101	6	94.05		7,506		10
Th 03/10/2016	150	143	4	97		5,004		106	5	95.28		6,255		
F 03/11/2016	154	155	5	97		6,422		90	5	94.46		6,422		11
S 03/12/2016	139	182	5	97		5,796		108	5	95.37		5,796		
Su 03/13/2016	165	132	6	95		8,257		130	6	95.37		8,257		
M 03/14/2016	265	125	9	93		19,891		86	6	93.00		13,261		15
T 03/15/2016	167	119	4	97		5,571		84	5	94.06		6,964		
W 03/16/2016	158	127	6	95		7,906		87	3	96.54		3,953		10
Th 03/17/2016	153	154	4	97		5,104		98	4	95.92		5,104		
F 03/18/2016	154	157	4	97		5,137		100	6	94.00		7,706		
S 03/19/2016	150	174	5	97		6,255		85	5	94.10		6,255		
Su 03/20/2016	157	137	5	96		6,547		97	5	94.82		6,547		
M 03/21/2016	151	154	5	97		6,297		101	6	94.03		7,556		14
T 03/22/2016	149	131	4	97		4,971		97	5	94.86		6,213		
W 03/23/2016	143	215	7	97		8,348		96	6	93.76		7,156		12
Th 03/24/2016	145	170	5	97		6,047		108	4	96.28		4,837		
F 03/25/2016	144	177	5	97		6,005		128	5	96.10		6,005		
S 03/26/2016	142	214	4	98		4,737		150	5	96.66		5,921		
Su 03/27/2016	145	365	6	98		7,256		152	5	96.71		6,047		
M 03/28/2016	190	327	6	98		9,508		144	8	94.43		12,677		17
T 03/29/2016	147	113	3	97		3,678		95	3	96.84		3,678		
W 03/30/2016	146	128	6	95		7,306		101	5	95.04		6,088		9
Th 03/31/2016	144	180	6	97		7,206		124	6	95.14		7,206		
TOTAL	4,903	5,117	156					3,274	161					
AVERAGE	158	165	5	97		6,751		106	5	95.00		6,903		13

Wk1	166	128	4		5,926	102	5		6,515
Wk2	151	164	5		6,309	99	5		6,657
Wk3	173	141	5		8,303	96	5		7,357
Wk4	147	171	5		6,136	111	5		6,319

MAX	265
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CBOD 20 LBS----	18,943
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - MARCH 2016

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
T	03/01/2016	174		7.0		7.7		0.06	12
W	03/02/2016	177		7.0		8.0		0.14	28
Th	03/03/2016	159		7.0		7.0		0.13	10
F	03/04/2016	166		7.0		7.0		0.08	18
S	03/05/2016	154		7.0		7.5		0.18	8
Su	03/06/2016	159		7.1		7.0		0.13	4
M	03/07/2016	151		7.0		6.5		0.19	62
T	03/08/2016	155		7.1		6.5		0.09	60
W	03/09/2016	150		7.0		6.8		0.11	36
Th	03/10/2016	150		7.0		6.4		0.10	37
F	03/11/2016	154		7.1		6.3		0.10	31
S	03/12/2016	139		7.0		6.0		0.09	24
Su	03/13/2016	165		7.1		7.5		0.09	27
M	03/14/2016	265		7.0		7.7		0.27	299
T	03/15/2016	167		7.0		7.8		0.11	16
W	03/16/2016	158		7.1		6.4		0.14	3
Th	03/17/2016	153		7.1		6.4		0.17	4
F	03/18/2016	154		7.0		6.4		0.16	6
S	03/19/2016	150		7.0		6.5		0.09	980
Su	03/20/2016	157		7.0		6.2		0.13	461
M	03/21/2016	151		7.1		5.9		0.21	30
T	03/22/2016	149		7.1		5.8		0.03	15
W	03/23/2016	143		7.2		5.9		0.13	68
Th	03/24/2016	145		7.0		6.2		0.14	17
F	03/25/2016	144		7.0		5.2		0.10	17
S	03/26/2016	142		7.0		5.5		0.11	27
Su	03/27/2016	145		7.0		6.9		0.09	20
M	03/28/2016	190		7.0		6.6		0.24	15
T	03/29/2016	147		7.1		5.1		0.07	13
W	03/30/2016	146		7.0		6.0		0.13	3
Th	03/31/2016	144		7.0		5.5		0.05	10
Total Avg		4,903 158	MIN 7.0	MAX 7.2	MIN 5.1	AVG 6.5	AVG 0.12	MAX 0.27	MEAN 23

Wk1 166
Wk2 151
Wk3 173
Wk4 147

MAX 265

NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT SWWPCP - MARCH 2016

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
03/01/2016	25	135	156	136	139	137	109	113
03/02/2016	25	138	176	124	131	115	102	104
03/03/2016	24	122	172	104	114	158	100	109
03/04/2016	24	129	200	152	159	156	90	100
03/05/2016	24	118	164	120	127	150	90	99
03/06/2016	24	123	180	132	139	135	90	97
03/07/2016	23	116	184	184	184	122	84	90
03/08/2016	23	119	236	156	168	144	90	98
03/09/2016	22	117	212	172	178	164	90	101
03/10/2016	23	116	160	140	143	138	100	106
03/11/2016	23	119	216	144	155	126	84	90
03/12/2016	21	107	192	180	182	176	96	108
03/13/2016	23	129	180	124	132	177	122	130
03/14/2016	35	203	208	112	125	150	76	86
03/15/2016	25	129	136	116	119	85	84	84
03/16/2016	24	123	164	120	127	130	79	87
03/17/2016	23	118	188	148	154	144	90	98
03/18/2016	23	118	188	152	157	117	97	100
03/19/2016	22	114	208	168	174	141	75	85
03/20/2016	23	121	164	132	137	129	91	97
03/21/2016	22	116	168	152	154	133	95	101
03/22/2016	22	113	148	128	131	145	89	97
03/23/2016	21	111	208	216	215	126	91	96
03/24/2016	21	112	228	160	170	158	99	108
03/25/2016	21	111	204	172	177	158	123	128
03/26/2016	21	108	180	220	214	159	148	150
03/27/2016	21	112	232	388	365	164	150	152
03/28/2016	24	150	212	344	327	162	141	144
03/29/2016	21	114	216	96	113	161	84	95
03/30/2016	21	114	176	120	128	135	95	101
03/31/2016	21	111	224	172	180	162	117	124
AVG	23	122	190	161	165	144	99	106

PERMIT

SWWPCP - MARCH 2016

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
03/01/2016	138	168	142	15	89%
03/02/2016		138			
03/03/2016	113	172	122	19	84%
03/04/2016		171			
03/05/2016		199			
03/06/2016		155			
03/07/2016	110	159	117	13	89%
03/08/2016		162			
03/09/2016	100	174	111	20	82%
03/10/2016		168			
03/11/2016		173			
03/12/2016		194			
03/13/2016		194			
03/14/2016	96	160	104	12	89%
03/15/2016		126			
03/16/2016	91	150	100	13	87%
03/17/2016		168			
03/18/2016		165			
03/19/2016		163			
03/20/2016		174			
03/21/2016	105	150	112	14	87%
03/22/2016		159			
03/23/2016	112	144	117	10	91%
03/24/2016		187			
03/25/2016		193			
03/26/2016		185			
03/27/2016		186			
03/28/2016	165	188	168	17	90%
03/29/2016		173			
03/30/2016	109	166	117	14	88%
03/31/2016		185			
AVG	114	169	121	15	88%

DESIGN - 200 MGD

DATE	SWWPCP - MARCH 2016					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
03/01/2016	25	135	14	174	306	T
03/02/2016	25	138	14	177	274	0.26
03/03/2016	24	122	13	159	183	0.02
03/04/2016	24	129	13	166	219	0.06
03/05/2016	24	118	12	154	194	
03/06/2016	24	123	12	159	188	
03/07/2016	23	116	12	151	177	
03/08/2016	23	119	13	155	169	
03/09/2016	22	117	11	150	184	
03/10/2016	23	116	11	150	174	
03/11/2016	23	119	12	154	168	T
03/12/2016	21	107	11	139	183	
03/13/2016	23	129	13	165	406	0.07
03/14/2016	35	203	27	265	440	1.02
03/15/2016	25	129	13	167	192	0.01
03/16/2016	24	123	11	158	186	0.01
03/17/2016	23	118	12	153	186	0.02
03/18/2016	23	118	13	154	181	
03/19/2016	22	114	14	150	186	0.01
03/20/2016	23	121	13	157	184	0.07
03/21/2016	22	116	13	151	182	T
03/22/2016	22	113	14	149	167	
03/23/2016	21	111	11	143	163	
03/24/2016	21	112	12	145	169	
03/25/2016	21	111	12	144	169	T
03/26/2016	21	108	13	142	168	
03/27/2016	21	112	12	145	185	0.02
03/28/2016	24	150	16	190	338	0.44
03/29/2016	21	114	12	147	237	
03/30/2016	21	114	11	146	173	
03/31/2016	21	111	12	144	175	T
TOTAL	715	3,786	402	4,903		2.01
AVG	23	122	13	158		
		MIN		139	163	
		MAX		265	440	

Central Laboratory

	NO2 - N	NO3 - N	NH3 - N	TKN	P
03/02/2016	0.575	0.403	7.90	24.60	0.539
03/07/2016	0.630	0.325	23.60	25.00	0.416
03/09/2016	0.639	< 0.250	26.00	28.10	0.266
03/11/2016	0.647	< 0.250	22.40	24.70	0.457
03/16/2016	0.529	0.541	20.90	22.50	0.325
03/23/2016	0.534	0.316	27.60	32.00	0.391
03/30/2016	0.575	0.421	24.50	25.00	0.315
AVG	0.590	0.358	21.84	25.99	0.387
MAX	0.647	0.541	27.60	32.00	0.539

	Total Cyanide	Free Cyanide	Phenolics
03/07/2016	< 0.010		
03/09/2016		< 0.010	< 0.040
03/11/2016		< 0.010	< 0.040
03/13/2016		< 0.010	< 0.040
AVG	< 0.010	< 0.010	< 0.040

Date	03/07/2016		03/09/16		03/11/16		AVG
Copper		0.0100		0.0090		0.0100	0.0097
Iron Total		0.2520		0.2640		0.1720	0.2293
Iron Dissolved		0.0850		0.0740		0.0600	0.0730
Lead	<	0.0030	<	0.0030	<	0.0030	< 0.0030
Nickel		0.0030		0.0030		0.0030	0.0030
Selenium	<	0.0030	<	0.0030	<	0.0030	< 0.0030
Zinc		0.0390		0.0370		0.0380	< 0.0380

[illegible]

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF MARCH 2016

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

3/11/2016

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic		2
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic		1



Debra A. McCarty, Water Commissioner

April 28, 2016

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Southwest 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: 17783

Submission Status: Received
Facility Name: PHILA WATER DEPT - SOUTHWEST WPC PLANT
Permit Number: PA0026671
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:	479110	Facility Name:	PHILA WATER DEPT - SOUTHWEST WPC PLANT	Location Address:	8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153
Permit Number:	PA0026671	Monitoring Period:	01/01/2016-03/31/2016	Mailing Address:	1101 MARKET ST4TH 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	***	***	***	***	***	2	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
alpha-Endosulfan	Sample Measurement	***	***	***	***	<.0000167	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Benzidine	Sample Measurement	***	***	***	***	.0570	***	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
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	***	***	***	***	<.0000081	***	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
Heptachlor	Sample Measurement	***	***	***	***	<.0000081	***	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)**

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										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS			
File Name	Attachment Type	Uploaded Time	Attachment Comment
WW NPDES Monthly Influent Composite (04-26-2016).pdf	Laboratory Accreditation Form	2016-04-27T15:54:35-04:00	
Cryptographic Hash Value of File (SHA-512)	1BA53684CD3D101813EAA4614B75B2D40F2CC936E0662AB09D173E828E8770B2D56C8338FBF0E0F1A17161F1BB75F1125B7B10296D21B7DF87A07CD278524F4E		
BLSSW201603.xls	WET Test Summary Report	2016-04-27T15:56:26-04:00	
Cryptographic Hash Value of File (SHA-512)	A10ED605C84EF3055E481AA39D25BE051069BAD2938AFBCD0B4E284CC32D8F3BE3DAC8A23501FBF3A0242E08C2176683A137DD51C9D6780D7CD412F3269BD817		
SW WET Testing Composite (04-26-2016).pdf	Laboratory Accreditation Form	2016-04-27T15:57:24-04:00	
Cryptographic Hash Value of File (SHA-512)	776775C3BF4040A76BD5359B4B599400513E1FBC9CBB5C487163D36E98A3841EF122750DA7E7483F95911FA5176521E8D8AEBD64AF09939EF835515B8A21BC21		

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
Quarterly NPDES data as required. Please see attachments for data qualifiers.	Mary Ellen Senss	S12300	215-685-6258

SUBMISSION INFORMATION

*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).

Submitted By GreenPort User	SENSSM	Submitted By Full Name	Mary Ellen Senss
Email Address	maryellen.senss@phila.gov	Document Generated	4/27/2016

Central Laboratory

[illegible]

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF MARCH 2016

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

3/11/2016

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic		2
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic		1

SW WET Testing Composite

Report Date: 04/06/2016

WW160307-028

Composite 24h 03/07/2016 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	3/7/2016	13:40	3/12/2016	8:20	2.96	mg/L	2	mg/L
Mercury ^{B,D}	EPA 245.1	3/9/2016	1:30	3/9/2016	18:45	<0.00020 ^E	mg/L	0.00020	mg/L

Data Qualifiers:

CBOD5	The GGA check is 158 mg/L. Acceptance limits are 168 to 229 mg/L.
Mercury	RPD between the background concentration and the Dup is 200. The allowable max is 20.

WW160311-024

Composite 24h 03/11/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
2,4,6-Trichlorophenol ^{B,D}	EPA 625	3/14/2016	22:00	3/15/2016	16:13	<5 ^E	µg/L	5	µg/L
2,4-Dimethylphenol ^{B,D}	EPA 625	3/14/2016	22:00	3/15/2016	16:13	<5 ^E	µg/L	5	µg/L
2,4-Dinitrophenol ^{B,D}	EPA 625	3/14/2016	22:00	3/15/2016	16:13	<38 ^E	µg/L	38	µg/L
2,4-Dinitrotoluene ^{B,D}	EPA 625	3/14/2016	22:00	3/15/2016	16:13	<5 ^E	µg/L	5	µg/L
2,6-Dinitrotoluene ^{B,D}	EPA 625	3/14/2016	22:00	3/15/2016	16:13	<5 ^E	µg/L	5	µg/L
3,3'-Dichlorobenzidine ^{B,D}	EPA 625	3/14/2016	22:00	3/15/2016	16:13	<5 ^E	µg/L	5	µg/L
4,6-Dinitro-o-cresol ^{B,D}	EPA 625	3/14/2016	22:00	3/15/2016	16:13	<14 ^E	µg/L	14	µg/L
4-Nitrophenol ^{B,D}	EPA 625	3/14/2016	22:00	3/15/2016	16:13	<14 ^E	µg/L	14	µg/L
bis(2-Chloroethoxy)methane ^{B,D}	EPA 625	3/14/2016	22:00	3/15/2016	16:13	<5 ^E	µg/L	5	µg/L
bis(2-Chloroisopropyl) ether ^{B,D}	EPA 625	3/14/2016	22:00	3/15/2016	16:13	<5 ^E	µg/L	5	µg/L
CBOD	SM 5210 B	3/11/2016	13:35	3/16/2016	9:50	2.22	mg/L	2	mg/L
Fluoranthene ^{B,D}	EPA 608	3/14/2016	22:00	3/15/2016	16:13	<5 ^E	µg/L	5	µg/L

Hexachlorocyclopentadiene ^{B,D}	EPA 608	3/14/2016	22:00	3/15/2016	16:13	<14 ^E	µg/L	14	µg/L
Isophorone ^{B,D}	EPA 625	3/14/2016	22:00	3/15/2016	16:13	<5 ^E	µg/L	5	µg/L
Nitrobenzene ^{B,D}	EPA 625	3/14/2016	22:00	3/15/2016	16:13	<5 ^E	µg/L	5	µg/L
Pentachlorophenol ^{B,D}	EPA 625	3/14/2016	22:00	3/15/2016	16:13	<14 ^E	µg/L	14	µg/L

Data Qualifiers:

2,4,6-Trichlorophenol	The recovery of the matrix spike is 78% and the recovery of the matrix spike dup is 78% which are both outside the acceptance limits of 83-120%.
2,4-Dimethylphenol	The recovery of the matrix spike is 4815% and the recovery of the matrix spike dup is 4966% which are both outside the acceptance limits of 72-110%.
2,4-Dinitrophenol	The recovery of the matrix spike is 18% and the recovery of the matrix spike dup is 0% which are both outside the acceptance limits of 50-128%. The RPD is 200 but the RPD max should be 30.
2,4-Dinitrotoluene	The recovery of the matrix spike is 65% and the recovery of the matrix spike dup is 64% which are both outside the acceptance limits of 85-117%.
2,6-Dinitrotoluene	The recovery of the matrix spike is 75% which is outside the acceptance limits of 80-115%.
3,3'-Dichlorobenzidine	The recovery of the matrix spike is 2% and the recovery of the matrix spike dup is 2% which are both outside the acceptance limits of 10-103%.
4,6-Dinitro-o-cresol	The recovery of the matrix spike is 28% and the recovery of the matrix spike dup is 12% which are both outside the acceptance limits of 74-120%. The RPD is 78 but the RPD max should be 30.
4-Nitrophenol	The recovery of the matrix spike is 0% which is outside the acceptance limits of 10-83%. The RPD is 200 but the RPD max should be 30.
bis(2-Chloroethoxy)methane	The recovery of the matrix spike is 140% and the recovery of the matrix spike dup is 132% which are both outside the acceptance limits of 67-122%.
bis(2-Chloroisopropyl) ether	The recovery of the matrix spike is 144% and the recovery of the matrix spike dup is 134% which are both outside the acceptance limits of 74-116%.
CBOD5	The GGA check is 167 mg/L. Acceptance limits are 168 to 229 mg/L.
Fluoranthene	The recovery of the matrix spike is 70% and the recovery of the matrix spike dup is 73% which are both outside the acceptance limits of 77-111%.
Hexachlorocyclopentadiene	The recovery of the matrix spike dup is 13% which is outside the acceptance limits of 24-128%. The RPD is 75 but the RPD max should be 30.
Isophorone	The recovery of the matrix spike is 7% and the recovery of the matrix spike dup is 8% which are both outside the acceptance limits of 78-120%.
Nitrobenzene	The recovery of the matrix spike is 313% and the recovery of the matrix spike dup is 392% which are both outside the acceptance limits of 73-113%.
Pentachlorophenol	The LCS and LCSD were within the acceptance limits but the RPD was 33. The RPD max should be 30.

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 ^{B,D}	EPA 245.1	3/9/2016	1:30	3/9/2016	18:31	<0.00020 ^E	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

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for April 2016

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

PERMIT

SWWPCP - APRIL 2016

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			

F	04/01/2016	163	212	7	97	9,516		139	6	95.68		8,157		
S	04/02/2016	169	239	5	98	7,047		94	5	94.67		7,047		
Su	04/03/2016	145	119	5	96	6,047		139	6	95.70		7,256		
M	04/04/2016	163	100	6	94	8,157		107	5	95.33		6,797		14
T	04/05/2016	146	166	5	97	6,088		111	5	95.49		6,088		
W	04/06/2016	148	140	6	96	7,406		104	5	95.18		6,172		13
Th	04/07/2016	163	191	6	97	8,157		118	4	96.61		5,438		
F	04/08/2016	147	169	5	97	6,130		82	4	95.14		4,904		
S	04/09/2016	203	114	5	96	8,465		87	5	94.26		8,465		
Su	04/10/2016	147	109	4	96	4,904		95	3	96.84		3,678		
M	04/11/2016	149	142	4	97	4,971		101	5	95.07		6,213		16
T	04/12/2016	191	150	4	97	6,372		101	4	96.06		6,372		
W	04/13/2016	146	142	4	97	4,871		102	5	95.11		6,088		14
Th	04/14/2016	145	156	6	96	7,256		88	4	95.46		4,837		
F	04/15/2016	149	150	6	96	7,456		101	6	94.06		7,456		
S	04/16/2016	144	160	6	96	7,206		115	6	94.77		7,206		
Su	04/17/2016	145	125	7	94	8,465		111	6	94.59		7,256		
M	04/18/2016	144	198	7	96	8,407		105	6	94.26		7,206		15
T	04/19/2016	145	148	5	97	6,047		114	4	96.49		4,837		
W	04/20/2016	142	587	5	99	5,921		209	5	97.60		5,921		12
Th	04/21/2016	139	217	6	97	6,956		124	5	95.97		5,796		
F	04/22/2016	141	177	4	98	4,704		117	4	96.58		4,704		
S	04/23/2016	170	203	5	98	7,089		125	4	96.80		5,671		
Su	04/24/2016	150	108	3	97	3,753		99	3	96.97		3,753		
M	04/25/2016	144	314	4	99	4,804		137	3	97.80		3,603		12
T	04/26/2016	152	311	4	99	5,071		127	5	96.06		6,338		
W	04/27/2016	137	170	5	97	5,713		112	4	96.43		4,570		12
Th	04/28/2016	149	223	4	98	4,971		84	3	96.42		3,728		
F	04/29/2016	138	143	4	97	4,604		118	5	95.77		5,755		
S	04/30/2016	134	166	3	98	3,353		96	3	96.87		3,353		

TOTAL	4,548	5,551	150					3,362	138					
AVERAGE	152	185	5	97		6,330		112	5	95.80		5,822		14

Wk1	159	143	5	96		7,207		107	5	95.39		6,446		
Wk2	153	144	5	97		6,148		101	5	95.34		5,979		
Wk3	147	237	6	97		6,798		129	5	96.04		5,913		
Wk4	143	205	4	98		4,610		110	4	96.62		4,443		

MAX 203

CBOD 20 LBS---- 16,544

NPDES/ MO <30 >85 <50,400 <25 >89.25 <19,800
LIMIT WK <45 <75,060 <40 <29,700

CBOD 20 MO LIMIT---- <35,830

* ACTUAL PERCENT 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

SWWPCP - APRIL 2016

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
F	04/01/2016	163		7.1		5.4		0.08	10
S	04/02/2016	169		7.0		6.5		0.11	44
Su	04/03/2016	145		7.0		5.6		0.13	345
M	04/04/2016	163		7.0		5.9		0.13	225
T	04/05/2016	146		7.0		5.9		0.10	148
W	04/06/2016	148		7.0		6.2		0.15	162
Th	04/07/2016	163		7.1		6.3		0.12	126
F	04/08/2016	147		7.0		5.6		0.11	57
S	04/09/2016	203		7.0		6.6		0.13	34
Su	04/10/2016	147		7.0		7.8		0.23	11
M	04/11/2016	149		7.1		7.3		0.13	30
T	04/12/2016	191		7.1		6.7		0.09	15
W	04/13/2016	146		7.0		5.2		0.17	4
Th	04/14/2016	145		7.0		5.5		0.11	5
F	04/15/2016	149		7.1		5.5		0.15	9
S	04/16/2016	144		7.0		6.0		0.16	7
Su	04/17/2016	145		7.0		5.9		0.15	6
M	04/18/2016	144		7.1		5.4		0.12	187
T	04/19/2016	145		7.0		6.0		0.14	1
W	04/20/2016	142		7.1		5.4		0.12	1
Th	04/21/2016	139		7.0		5.4		0.15	9
F	04/22/2016	141		7.1		5.2		0.11	38
S	04/23/2016	170		7.0		4.8		0.09	214
Su	04/24/2016	150		7.0		4.9		0.14	35
M	04/25/2016	144		7.0		5.7		0.09	15
T	04/26/2016	152		7.0		6.5		0.09	15
W	04/27/2016	137		7.0		6.8		0.10	291
Th	04/28/2016	149		7.0		6.7		0.06	4
F	04/29/2016	138		6.9		6.2		0.06	1
S	04/30/2016	134		7.0		5.8		0.12	3
Total Avg		4,548 152	MIN 6.9	MAX 7.1	MIN 4.8	AVG 6.0	AVG 0.12	MAX 0.23	MEAN 21

Wk1 159
Wk2 153
Wk3 147
Wk4 143

MAX	203
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NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT SWWPCP - APRIL 2016

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
04/01/2016	22	126	188	216	212	184	132	139
04/02/2016	22	133	208	244	239	126	89	94
04/03/2016	22	111	160	112	119	153	137	139
04/04/2016	22	127	148	92	100	165	98	107
04/05/2016	21	113	180	164	166	139	106	111
04/06/2016	21	116	212	128	140	150	96	104
04/07/2016	22	128	208	188	191	150	113	118
04/08/2016	21	113	176	168	169	150	71	82
04/09/2016	26	159	180	104	114	136	80	87
04/10/2016	23	111	200	92	109	144	86	95
04/11/2016	22	114	180	136	142	138	95	101
04/12/2016	25	149	188	144	150	124	98	101
04/13/2016	22	113	176	136	142	137	96	102
04/14/2016	22	112	176	152	156	117	83	88
04/15/2016	21	117	184	144	150	180	88	101
04/16/2016	21	112	204	152	160	171	105	115
04/17/2016	22	112	156	120	125	138	106	111
04/18/2016	21	112	188	200	198	137	99	105
04/19/2016	21	111	172	144	148	144	109	114
04/20/2016	21	110	192	656	587	155	218	209
04/21/2016	21	107	224	216	217	170	116	124
04/22/2016	20	109	184	176	177	164	109	117
04/23/2016	22	135	200	204	203	144	122	125
04/24/2016	21	118	180	96	108	180	86	99
04/25/2016	20	112	176	336	314	165	132	137
04/26/2016	21	118	204	328	311	138	125	127
04/27/2016	20	105	208	164	170	171	102	112
04/28/2016	20	117	192	228	223	147	74	84
04/29/2016	20	106	184	136	143	167	110	118
04/30/2016	20	103	180	164	166	147	87	96
AVG	22	118	187	185	185	151	106	112

PERMIT

SWWPCP - APRIL 2016

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
04/01/2016		227			
04/02/2016		167			
04/03/2016		165			
04/04/2016	111	179	120	13	89%
04/05/2016		165			
04/06/2016	110	178	120	13	89%
04/07/2016		181			
04/08/2016		175			
04/09/2016		169			
04/10/2016		156			
04/11/2016	106	153	113	10	91%
04/12/2016		167			
04/13/2016	106	165	115	10	91%
04/14/2016		154			
04/15/2016		191			
04/16/2016		178			
04/17/2016		159			
04/18/2016	141	155	143	13	91%
04/19/2016		156			
04/20/2016	225	186	219	14	94%
04/21/2016		192			
04/22/2016		177			
04/23/2016		159			
04/24/2016		191			
04/25/2016	153	175	156	NM	ND
04/26/2016		180			
04/27/2016	122	192	132	12	91%
04/28/2016		160			
04/29/2016		180			
04/30/2016		162			
AVG	134	173	140	12	91%

DESIGN - 200 MGD

SWWPCP - APRIL 2016						
DATE	TRIPLE				PEAK FLOW	RAIN
	Delcora	GRAVITY/HLL	LLE	SW TOTAL		
04/01/2016	22	126	15	163	284	0.05
04/02/2016	22	133	14	169	273	0.14
04/03/2016	22	111	12	145	171	T
04/04/2016	22	127	14	163	305	0.28
04/05/2016	21	113	12	146	171	T
04/06/2016	21	116	11	148	175	
04/07/2016	22	128	13	163	275	0.19
04/08/2016	21	113	13	147	168	T
04/09/2016	26	159	18	203	335	0.39
04/10/2016	23	111	13	147	175	
04/11/2016	22	114	13	149	169	T
04/12/2016	25	149	17	191	177	0.31
04/13/2016	22	113	11	146	173	
04/14/2016	22	112	11	145	173	
04/15/2016	21	117	11	149	180	
04/16/2016	21	112	11	144	185	
04/17/2016	22	112	11	145	180	
04/18/2016	21	112	11	144	174	
04/19/2016	21	111	13	145	170	
04/20/2016	21	110	11	142	162	
04/21/2016	21	107	11	139	163	
04/22/2016	20	109	12	141	162	T
04/23/2016	22	135	13	170	281	0.11
04/24/2016	21	118	11	150	180	
04/25/2016	20	112	12	144	170	T
04/26/2016	21	118	13	152	233	0.19
04/27/2016	20	105	12	137	156	
04/28/2016	20	117	12	149	206	0.09
04/29/2016	20	106	12	138	167	T
04/30/2016	20	103	11	134	161	T
TOTAL	645	3,529	374	4,548		1.75
AVG	22	118	12	152		
			MIN	134	156	
			MAX	203	335	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF APRIL 2016

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N		NO3 - N	NH3 - N	TKN	P
04/06/2016	0.499	<	0.250	24.70	27.10	0.480
04/13/2016	0.402	<	0.250	23.20	23.90	0.478
04/20/2016	0.462	<	0.250	27.20	27.30	0.307
04/27/2016	0.343		0.324	25.80	27.70	0.376
 AVG	0.427	<	0.269	25.23	26.50	0.410
MAX	0.499		0.324	27.20	27.70	0.480

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
04/06/2016		< 0.010	
04/07/2016	< 0.010		< 0.040

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	04/06/2016
Copper	0.0090
Iron	0.2290
Iron Dissolved	0.1370
Lead	< 0.0030
Nickel	0.0040
Selenium	< 0.0030
Zinc	0.0320

Organics Data (mg/L)

Southwest WPCP - Outfall

	04/04/2016
1,2-Dichloroethane	< 0.0010
Chloroform	0.0030
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010

File Name: 201604SL
 Print Date: 05/23/2016

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP		
Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP APRIL 2016	MGD	Sludge Processed by MGD	DT	Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP	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
TOTAL	24.592	24.975	2,181	34.046	33.871	3,189
AVERAGE	0.820	0.833	73	1.135	1.129	106



Debra A. McCarty, Water Commissioner

June 27, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Southwest 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: 22225

Submission Status: Received

Facility Name: PHILA WATER DEPT - SOUTHWEST WPC PLANT

Permit Number: PA0026671

Report Type: Monthly

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

Monitoring Report Due Date: 06/28/2016

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for May 2016

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

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

HEADER INFORMATION

Facility ID:	479110	Facility Name:	PHILA WATER DEPT - SOUTHWEST WPC PLANT	Location Address:	8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153
Permit Number:	PA0026671	Monitoring Period:	05/01/2016-05/31/2016	Mailing Address:	1101 MARKET ST4TH 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	***	***	***	4.9	6.1	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.9	***	7.2	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	6457	8183	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	24.78	31.70	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	***	***	***	***	.439	.532	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	***	***	***	***	<.315	.401	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	***	***	***	***	25.38	32.80	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	***	***	***	***	.336	.526	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
Copper, Total	Sample Measurement	***	***	***	***	.0060	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0720	***	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

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

Nickel, 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	***	***	***	***	.0270	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Selenium, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	165	314	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.15	.31	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement	***	***	***	***	.010	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0025	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	18	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	5758	5952	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	14854	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	95.83	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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										

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

Sampling Point		101		Stage Code			Final Effluent		No Discharge Indicator	Y
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS			
File Name	Attachment Type	Uploaded Time	Attachment Comment
E-NPDES SW201605.xls	Daily Effluent Monitoring Form	2016-06-27T12:45:53-04:00	Corrected report as of 6/27/16. Influent SS and Influent CBOD5 columns and % removal.
Cryptographic Hash Value of File (SHA-512)	FC1717315717C24B51B761D3F13CD3CF7018503954FD20DAD2CEC2E58EC6F70D7317B9A4B3CE7371568F1CFCCDE4B7ED9FE9157F9A348F156F82279E3D561858		
WW NPDES Monthly Influent Composite (06-22-2016).pdf	Laboratory Accreditation Form	2016-06-24T13:59:31-04:00	Report added to revised submittal.
Cryptographic Hash Value of File (SHA-512)	A61CD881B1A3AC5D4A304077F43674616E58FBB5669AD0617D519801CFE5D0FAAD276B9D429EFA407DD0E0C1A5988DF8B99CC5E41A69CD1AE8683FB61D138BC2		
SW WW NPDES Weekly (06-22-2016).pdf	Laboratory Accreditation Form	2016-06-24T13:50:15-04:00	
Cryptographic Hash Value of File (SHA-512)	DA3C1165199955DAEFD0DC02864C8EBFEF04FBC7FA6DE4ED5D8BC43FAB50475784F3E7C3045E466998EF67D36B09B9A6186D7A3D9747AF92807301E9768720C0		
201605SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-06-24T13:49:16-04:00	
Cryptographic Hash Value of File (SHA-512)	8F9EBB8C1F479C9F605253AE4A6BA461AEC88C29D581EA782FD711D91C513FDBAF21CDB8A2DB09119D8CC883E9A61C557EF8E8AA3F5646757C161DC38D93488D		
BLSSW201605.xls	Nutrient Monitoring Form	2016-06-24T13:48:22-04:00	
Cryptographic Hash Value of File (SHA-512)	34DE31F9893F70084DE6F92C610CCF9094C991DFB712A04EC8F3F0850838ADFACDC43D6523255A62801DCBA270DBE5E11BD1C664877C21FC1460E8ACA8A90262		
SWCSO 201605.xls	CSO Detailed Outfall Report Form	2016-06-24T13:48:47-04:00	
Cryptographic Hash Value of File (SHA-512)	9081839237105B73279E0828501C0DE5E5F8EB8678EAA6DD824C41F64524769A5E399BC5AA83146D801A7BD855A95D0368ABBA4BD1E76BE81C8C4BA5A4885154		
SW Outfall Monthly Composite (06-22-2016).pdf	Laboratory Accreditation Form	2016-06-24T13:49:48-04:00	
Cryptographic Hash Value of File (SHA-512)	0CDC86DA461136E268C4DAA31651DF0F433200340BB50E15C77666E620D7E7E0CF265A127CA70276C59BE4BF943EE37F5A27A02662486BE1119ACECE4378A500		

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

*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).

Submitted By GreenPort User	SENSSM	Submitted By Full Name	Mary Ellen Senss
Email Address	maryellen.senss@phila.gov	Document Generated	6/27/2016

PERMIT

SWWPCP - MAY 2016

COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	eff (mg/l)	Suspended Solids SS% REM SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
------	---------------	---------------	---------------	--------------------------------------	-----	-------	---------------	---------------	----------------------	----------------	-----	-------	----------------------

Su	05/01/2016	203	157	5	97	8,465	92	4	95.67		6,772		
M	05/02/2016	177	222	5	98	7,381	90	3	96.67		4,429		14
T	05/03/2016	178	148	4	97	5,938	82	3	96.35		4,454		
W	05/04/2016	146	194	5	97	6,088	98	3	96.95		3,653		11
Th	05/05/2016	147	175	4	98	4,904	105	4	96.21		4,904		
F	05/06/2016	314	217	7	97	18,331	76	3	96.06		7,856		
S	05/07/2016	185	510	4	99	6,172	69	2	97.09		3,086		
Su	05/08/2016	148	116	3	97	3,703	97	3	96.92		3,703		
M	05/09/2016	155	140	3	98	3,878	95	5	94.71		6,464		12
T	05/10/2016	142	155	5	97	5,921	98	4	95.91		4,737		
W	05/11/2016	144	189	5	97	6,005	117	4	96.58		4,804		14
Th	05/12/2016	145	175	4	98	4,837	109	4	96.34		4,837		
F	05/13/2016	160	170	5	97	6,672	105	6	94.27		8,006		
S	05/14/2016	151	175	4	98	5,037	101	4	96.03		5,037		
Su	05/15/2016	144	147	6	96	7,206	118	4	96.61		4,804		
M	05/16/2016	142	346	3	99	3,553	135	5	96.29		5,921		11
T	05/17/2016	151	158	4	97	5,037	112	5	95.55		6,297		
W	05/18/2016	140	134	4	97	4,670	101	3	97.02		3,503		13
Th	05/19/2016	139	136	3	98	3,478	107	3	97.19		3,478		
F	05/20/2016	139	159	4	97	4,637	117	3	97.44		3,478		
S	05/21/2016	243	174	8	95	16,213	98	7	92.87		14,186		
Su	05/22/2016	175	114	5	96	7,298	81	3	96.30		4,379		
M	05/23/2016	163	183	4	98	5,438	103	3	97.09		4,078		9
T	05/24/2016	145	161	5	97	6,047	114	3	97.37		3,628		
W	05/25/2016	138	113	3	97	3,453	115	3	97.38		3,453		11
Th	05/26/2016	142	119	3	97	3,553	116	4	96.56		4,737		
F	05/27/2016	139	178	4	98	4,637	114	5	95.61		5,796		
S	05/28/2016	135	135	4	97	4,504	105	5	95.23		5,630		
Su	05/29/2016	209	211	5	98	8,715	90	8	91.15		13,944		
M	05/30/2016	227	129	7	95	13,252	72	5	93.06		9,466		
T	05/31/2016	154	131	4	97	5,137	90	7	92.23		8,991		

TOTAL	5,120	5,473	139				3,123	128					
AVERAGE	165	177	4	97	6,457		101	4	95.83		5,758		12

Wk1	193	232	5	98	8,183	88	3	96.43		5,022
Wk2	149	160	4	97	5,151	103	4	95.83		5,370
Wk3	157	179	5	97	6,399	113	4	96.14		5,952
Wk4	148	143	4	97	4,990	107	4	96.51		4,529

MAX	314
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CBOD 20 LBS----	14,936
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - MAY 2016

GRAB SAMPLES

Date	FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
Su 05/01/2016	203		7.0		5.9		0.16	5
M 05/02/2016	177		7.0		5.7		0.19	5
T 05/03/2016	178		7.0		4.9		0.31	20
W 05/04/2016	146		7.0		5.7		0.20	22
Th 05/05/2016	147		7.0		7.0		0.17	10
F 05/06/2016	314		7.0		5.9		0.19	23
S 05/07/2016	185		7.0		6.4		0.29	13
Su 05/08/2016	148		7.0		7.2		0.20	6
M 05/09/2016	155		7.0		7.1		0.13	4
T 05/10/2016	142		7.0		7.0		0.12	12
W 05/11/2016	144		7.0		7.1		0.08	8
Th 05/12/2016	145		7.0		6.8		0.08	4
F 05/13/2016	160		7.0		5.2		0.07	6
S 05/14/2016	151		7.2		5.7		0.09	10
Su 05/15/2016	144		7.0		6.0		0.15	1
M 05/16/2016	142		7.0		6.1		0.14	28
T 05/17/2016	151		7.0		6.5		0.16	111
W 05/18/2016	140		7.0		6.1		0.17	133
Th 05/19/2016	139		7.1		6.3		0.20	57
F 05/20/2016	139		7.1		5.8		0.14	86
S 05/21/2016	243		7.0		5.6		0.11	93
Su 05/22/2016	175		7.2		5.4		0.28	20
M 05/23/2016	163		7.0		5.2		0.14	12
T 05/24/2016	145		7.0		5.2		0.20	15
W 05/25/2016	138		7.0		6.9		0.07	4
Th 05/26/2016	142		7.0		6.9		0.13	9
F 05/27/2016	139		7.0		6.4		0.09	5
S 05/28/2016	135		7.1		5.0		0.10	78
Su 05/29/2016	209		7.0		5.8		0.11	12
M 05/30/2016	227		6.9		5.9		0.06	> 2,420
T 05/31/2016	154		7.1		5.7		0.26	210
Total Avg	5,120 165	MIN 6.9	MAX 7.2	MIN 4.9	AVG 6.1	AVG 0.15	MAX 0.31	MEAN 18

Wk1 193
Wk2 149
Wk3 157
Wk4 148

MAX	314
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NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT SWWPCP - MAY 2016

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
05/01/2016	25	163	168	156	157	137	86	92
05/02/2016	22	139	240	220	222	125	85	90
05/03/2016	25	137	200	140	148	150	71	82
05/04/2016	22	113	252	184	194	128	93	98
05/05/2016	21	111	196	172	175	150	98	105
05/06/2016	39	245	168	224	217	112	71	76
05/07/2016	29	142	132	580	510	94	64	69
05/08/2016	23	115	136	112	116	127	92	97
05/09/2016	23	120	164	136	140	121	90	95
05/10/2016	21	108	172	152	155	132	92	98
05/11/2016	21	112	172	192	189	164	109	117
05/12/2016	21	113	196	172	175	135	105	109
05/13/2016	21	126	208	164	170	136	100	105
05/14/2016	22	117	192	172	175	135	95	101
05/15/2016	21	110	212	136	147	158	111	118
05/16/2016	20	110	188	372	346	163	130	135
05/17/2016	21	117	172	156	158	164	104	112
05/18/2016	20	109	192	124	134	135	95	101
05/19/2016	20	107	184	128	136	147	100	107
05/20/2016	20	107	180	156	159	161	110	117
05/21/2016	32	185	184	172	174	145	91	98
05/22/2016	27	132	124	112	114	114	75	81
05/23/2016	23	128	200	180	183	135	98	103
05/24/2016	22	112	168	160	161	127	112	114
05/25/2016	21	106	184	100	113	162	106	115
05/26/2016	21	109	160	112	119	164	108	116
05/27/2016	20	108	164	180	178	132	111	114
05/28/2016	20	103	132	136	135	139	99	105
05/29/2016	28	159	204	212	211	132	84	90
05/30/2016	37	169	156	124	129	98	67	72
05/31/2016	24	119	148	128	131	123	84	90
AVG	24	127	179	176	177	137	95	101

PERMIT

SWWPCP - MAY 2016

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
05/01/2016		174			
05/02/2016	88	137	93	5	95%
05/03/2016		168			
05/04/2016	118	173	125	11	91%
05/05/2016		167			
05/06/2016		123			
05/07/2016		112			
05/08/2016		165			
05/09/2016	105	200	120	15	87%
05/10/2016		154			
05/11/2016	120	183	129	20	85%
05/12/2016		166			
05/13/2016		176			
05/14/2016		174			
05/15/2016		171			
05/16/2016	140	173	145	12	92%
05/17/2016		187			
05/18/2016	111	153	117	13	89%
05/19/2016		161			
05/20/2016		183			
05/21/2016		162			
05/22/2016		137			
05/23/2016	112	147	117	7	94%
05/24/2016		167			
05/25/2016	123	177	131	10	92%
05/26/2016		183			
05/27/2016		174			
05/28/2016		153			
05/29/2016		144			
05/30/2016		110			
05/31/2016		135			
AVG	115	161	122	12	91%

DESIGN - 200 MGD

SWWPCP - MAY 2016						
DATE	TRIPLE				PEAK FLOW	RAIN
	Delcora	GRAVITY/HLL	LLE	SW TOTAL		
05/01/2016	25	163	15	203	345	0.61
05/02/2016	22	139	16	177	355	0.27
05/03/2016	25	137	16	178	339	0.34
05/04/2016	22	113	11	146	170	0.02
05/05/2016	21	111	15	147	317	T
05/06/2016	39	245	30	314	438	1.15
05/07/2016	29	142	14	185	227	0.08
05/08/2016	23	115	10	148	181	0.05
05/09/2016	23	120	12	155	172	
05/10/2016	21	108	13	142	168	0.02
05/11/2016	21	112	11	144	167	T
05/12/2016	21	113	11	145	172	
05/13/2016	21	126	13	160	256	0.20
05/14/2016	22	117	12	151	207	0.10
05/15/2016	21	110	13	144	170	
05/16/2016	20	110	12	142	173	
05/17/2016	21	117	13	151	206	0.12
05/18/2016	20	109	11	140	159	T
05/19/2016	20	107	12	139	164	T
05/20/2016	20	107	12	139	230	
05/21/2016	32	185	26	243	457	1.96
05/22/2016	27	132	16	175	246	0.11
05/23/2016	23	128	12	163	249	0.08
05/24/2016	22	112	11	145	169	0.03
05/25/2016	21	106	11	138	163	
05/26/2016	21	109	12	142	165	
05/27/2016	20	108	11	139	159	
05/28/2016	20	103	12	135	164	
05/29/2016	28	159	22	209	500	0.59
05/30/2016	37	169	21	227	407	0.92
05/31/2016	24	119	11	154	194	
TOTAL	732	3,951	437	5,120		6.65
AVG	24	127	14	165		
			MIN	135	159	
			MAX	314	500	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF MAY 2016

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N		NO3 - N	NH3 - N	TKN	P
05/04/2016	0.427		0.357	17.70	18.50	0.247
05/11/2016	0.532		0.401	31.70	32.80	0.526
05/18/2016	0.476	<	0.250	27.10	28.50	0.328
05/25/2016	0.319	<	0.250	22.60	21.70	0.243
 AVG	0.439	<	0.315	24.78	25.38	0.336
MAX	0.532		0.401	31.70	32.80	0.526

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
05/04/2016		< 0.010	
05/05/2016	< 0.010		< 0.040

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	05/04/2016
Copper	0.0060
Iron	0.1990
Iron Dissolved	0.0720
Lead	< 0.0030
Nickel	0.0030
Selenium	< 0.0030
Zinc	0.0270

Organics Data (mg/L)

Southwest WPCP - Outfall

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

File Name: 201605SL
 Print Date: 06/23/2016

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP				
MAY 2016	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT		
	Biosolids Recycle Center / Synagro			Biosolids Recycle Center / Synagro				
	From NEWPCP MGD	MGD			From SWWPCP MGD		MGD	
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		
TOTAL	25.238	24.548	2,175	38.083	38.583	3,799		
AVERAGE	0.814	0.792	70	1.228	1.245	123		

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

SW Outfall Monthly Composite

Report Date: 06/20/2016

WW160505-025

Composite 05/05/2016 07:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Phenols ^{B,D}	EPA 420.4	5/24/2016	8:45	5/25/2016	11:58	<0.040 ^E	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

SW WW NPDES Weekly

Report Date: 06/20/2016

WW160525-027

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	22.6	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%.
---------	-----------------------------------------------------------------------------------------

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 Southwest 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 : 24886

Submission Status : Received

Facility Name : PHILA WATER DEPT - SOUTHWEST WPC PLANT

Permit Number : PA0026671

Report Type : Monthly

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

Monitoring Report Due Date : 07/28/2016

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for June 2016

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET
 MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

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

HEADER INFORMATION

Facility ID:	479110	Facility Name:	PHILA WATER DEPT - SOUTHWEST WPC PLANT	Location Address:	8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153
Permit Number:	PA0026671	Monitoring Period:	06/01/2016-06/30/2016	Mailing Address:	1101 MARKET ST4TH 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	***	***	***	2.5	4.9	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	7.0	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5422	5818	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	21.99	29.20	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	***	***	***	***	.462	.512	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	***	***	***	***	<.258	.307	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	***	***	***	***	23.11	31.60	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	***	***	***	***	.226	.357	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	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	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, Dissolved	Sample Measurement	***	***	***	***	.0530	***	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

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

Nickel, Total	Sample Measurement	***	***	***	***	.0037	***	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
Selenium, Total	Sample Measurement	***	***	***	***	.0030	***	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	***	***	***	***	.15	.25	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement	***	***	***	***	.010	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
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	***	***	***	***	61	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	5461	6528	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	15408	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	95.81	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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										

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

Sampling Point		101		Stage Code			Final Effluent		No Discharge Indicator	Y
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS			
File Name	Attachment Type	Uploaded Time	Attachment Comment
BLSSW201606.xls	Nutrient Monitoring Form	2016-07-28T11:41:21-04:00	
Cryptographic Hash Value of File (SHA-512)	110689B5279916C36E5348367E915DBF3C9A74FA9299896820488D2AE88319596E563A48752629E3CB53B418BDE323E18EDA70E3671470C768F64F8122FC3ECB		
SWCSO 201606.xls	CSO Detailed Outfall Report Form	2016-07-28T11:41:45-04:00	
Cryptographic Hash Value of File (SHA-512)	778DC79A2EDC403B0EEA3177766AC80D1CAD54953881BEE4FDEF01DA9D1988014728C2013D0FA90C0337102E618DE97E4D2A582D0A305E7BCDC9384894CBF392		
SW WET Testing Composite (07-21-2016).pdf	Laboratory Accreditation Form	2016-07-28T11:42:51-04:00	
Cryptographic Hash Value of File (SHA-512)	77817D815BB32A47A7D9B63830ABF61EF581ED0F65E4AA0D4D1DFE457C38EBC93FEF1AD9B5DFA81F14AE830BF80746CFA0778D64D949E3645D57422E48160EB4		
E-NPDES SW201606.xls	Daily Effluent Monitoring Form	2016-07-28T11:40:51-04:00	
Cryptographic Hash Value of File (SHA-512)	9F10EB1EFED353DBC792090BCBC6B669061608219EA970A86FCD6CB4B06CB839329C46D1DFAAC3D6B3508B73A0390E331095CED746D49EC5588315A9D83EC96C		
201606SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-07-28T11:42:11-04:00	
Cryptographic Hash Value of File (SHA-512)	8AAF9FD4BD93AC68B12F20FDE640240B52CBE0BFC7426EBB56EC6C0B0156DC5E0C00A831BB27F405F238ABE6B57CAD5124EAA67ED391C0BAD4324C50AD44C901		
SW WW NPDES Weekly (07-21-2016).pdf	Laboratory Accreditation Form	2016-07-28T11:43:19-04:00	
Cryptographic Hash Value of File (SHA-512)	A2546A07846C39BF7621C7995EFBD93DEEC191E0D134C51AF5766BF654CF346EF0632775D89E8C06F50F16F06880D49D78B8B7DC88404CAE436A0F975FFD54F6		

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
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

SUBMISSION INFORMATION

*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).

Submitted By GreenPort User	SENSSM	Submitted By Full Name	Mary Ellen Senss
Email Address	maryellen.senss@phila.gov	Document Generated	7/28/2016

PERMIT

SWWPCP - JUNE 2016

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			
W 06/01/2016	151	141	7	95		8,815		94	6	93.62		7,556		13
Th 06/02/2016	147	147	3	98		3,678		104	4	96.17		4,904		
F 06/03/2016	167	175	6	97		8,357		89	7	92.14		9,749		17
S 06/04/2016	145	182	5	97		6,047		99	4	95.95		4,837		
Su 06/05/2016	177	185	6	97		8,857		96	5	94.79		7,381		
M 06/06/2016	147	131	5	96		6,130		92	4	95.64		4,904		10
T 06/07/2016	144	135	3	98		3,603		116	4	96.54		4,804		
W 06/08/2016	156	199	4	98		5,204		104	2	98.07		2,602		8
Th 06/09/2016	142	145	3	98		3,553		94	2	97.87		2,369		
F 06/10/2016	137	238	4	98		4,570		120	4	96.68		4,570		7
S 06/11/2016	144	207	4	98		4,804		113	4	96.46		4,804		
Su 06/12/2016	137	166	5	97		5,713		114	5	95.61		5,713		
M 06/13/2016	138	165	4	98		4,604		99	2	97.98		2,302		11
T 06/14/2016	139	159	4	97		4,637		135	3	97.79		3,478		
W 06/15/2016	138	163	3	98		3,453		107	4	96.27		4,604		
Th 06/16/2016	173	175	2	99		2,886		127	6	95.27		8,657		
F 06/17/2016	134	167	3	98		3,353		106	3	97.17		3,353		
S 06/18/2016	132	122	4	97		4,404		105	7	93.31		7,706		
Su 06/19/2016	137	119	4	97		4,570		114	3	97.37		3,428		
M 06/20/2016	136	244	6	98		6,805		131	5	96.19		5,671		12
T 06/21/2016	137	166	5	97		5,713		104	4	96.17		4,570		
W 06/22/2016	137	142	4	97		4,570		116	5	95.69		5,713		13
Th 06/23/2016	154	206	7	97		8,991		108	5	95.38		6,422		
F 06/24/2016	136	147	5	97		5,671		102	5	95.09		5,671		
S 06/25/2016	132	146	4	97		4,404		99	3	96.98		3,303		
Su 06/26/2016	131	142	2	99		2,185		106	3	97.16		3,278		
M 06/27/2016	196	228	10	96		16,346		109	9	91.71		14,712		17
T 06/28/2016	152	124	2	98		2,535		98	6	93.85		7,606		
W 06/29/2016	140	135	3	98		3,503		91	4	95.58		4,670		12
Th 06/30/2016	141	118	4	97		4,704		93	4	95.69		4,704		
F 07/01/2016	151	158	3	98		3,777		88	5	94.32		6,295		
S 07/02/2016	133	107	2	98		2,216		85	4	95.29		4,432		
TOTAL	4,377	4,918	131					3,185	132					
AVERAGE	146	164	4	97		5,422		106	4	95.81		5,461		12

Wk1	150	177	4		5,246		105	4		4,490
Wk2	142	159	4		4,150		113	4		5,116
Wk3	138	167	5		5,818		111	4		4,968
Wk4	149	144	4		5,038		95	5		6,528

MAX 196

CBOD 20 LBS---- 15,408

NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT---- <35,830

* ACTUAL PERCENT 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
SWWPCP - JUNE 2016
GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
W	06/01/2016	151		7.0		5.8		0.23	16
Th	06/02/2016	147		7.1		5.8		0.18	308
F	06/03/2016	167		7.0		5.3		0.17	72
S	06/04/2016	145		7.0		5.5		0.19	35
Su	06/05/2016	177		7.0		4.7		0.15	73
M	06/06/2016	147		7.0		4.4		0.12	118
T	06/07/2016	144		7.0		5.5		0.12	58
W	06/08/2016	156		7.0		6.2		0.06	172
Th	06/09/2016	142		7.0		4.8		0.14	19
F	06/10/2016	137		7.0		5.7		0.09	19
S	06/11/2016	144		7.0		3.8		0.11	38
Su	06/12/2016	137		7.0		4.5		0.13	84
M	06/13/2016	138		7.0		6.0		0.13	63
T	06/14/2016	139		7.0		5.2		0.14	55
W	06/15/2016	138		7.0		5.2		0.15	119
Th	06/16/2016	173		7.0		5.0		0.17	228
F	06/17/2016	134		7.0		4.9		0.13	365
S	06/18/2016	132		7.0		4.8		0.13	179
Su	06/19/2016	137		7.0		4.6		0.16	79
M	06/20/2016	136		7.0		4.3		0.17	101
T	06/21/2016	137		7.0		3.8		0.11	219
W	06/22/2016	137		7.0		2.7		0.17	69
Th	06/23/2016	154		7.0		5.3		0.13	20
F	06/24/2016	136		7.0		5.6		0.07	179
S	06/25/2016	132		7.0		5.9		0.10	19
Su	06/26/2016	131		7.0		5.8		0.14	11
Su	06/27/2016	196		7.0		3.9		0.18	7
M	06/28/2016	152		7.0		2.5		0.17	248
T	06/29/2016	140		7.0		4.6		0.25	15
W	06/30/2016	141		7.0		4.6		0.23	24
Total Avg		4,377 146	MIN 7.0	MAX 7.1	MIN 2.5	AVG 4.9	AVG 0.15	MAX 0.25	MEAN 61

Wk1 150
Wk2 142
Wk3 138
Wk4 149

NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT SWWPCP - JUNE 2016

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
06/01/2016	23	116	172	136	141	122	89	94
06/02/2016	22	114	184	140	147	164	94	104
06/03/2016	23	130	196	172	175	108	86	89
06/04/2016	22	110	216	176	182	159	88	99
06/05/2016	24	137	216	180	185	153	87	96
06/06/2016	22	113	172	124	131	130	85	92
06/07/2016	21	111	200	124	135	167	107	116
06/08/2016	21	122	196	200	199	153	96	104
06/09/2016	20	106	176	140	145	153	84	94
06/10/2016	20	105	204	244	238	187	109	120
06/11/2016	26	106	168	216	207	186	97	113
06/12/2016	20	105	152	168	166	172	104	114
06/13/2016	20	107	192	160	165	164	88	99
06/14/2016	20	108	176	156	159	180	128	135
06/15/2016	20	106	204	156	163	132	103	107
06/16/2016	21	138	196	172	175	170	121	127
06/17/2016	19	104	232	156	167	161	97	106
06/18/2016	19	100	180	112	122	144	98	105
06/19/2016	19	104	188	108	119	171	105	114
06/20/2016	19	105	192	252	244	183	123	131
06/21/2016	19	105	180	164	166	126	101	104
06/22/2016	19	105	156	140	142	159	109	116
06/23/2016	20	120	244	200	206	190	96	108
06/24/2016	19	105	192	140	147	132	97	102
06/25/2016	19	103	180	140	146	150	91	99
06/26/2016	18	100	204	132	142	161	97	106
06/27/2016	23	153	224	228	228	158	102	109
06/28/2016	20	118	148	120	124	154	89	98
06/29/2016	19	110	176	128	135	132	84	91
06/30/2016	19	111	160	112	118	150	84	93
AVG	21	113	189	160	164	156	98	106

PERMIT

SWWPCP - JUNE 2016

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
06/01/2016	103	136	108	16	85%
06/02/2016		177			
06/03/2016	128	162	133	11	92%
06/04/2016		169			
06/05/2016		173			
06/06/2016	99	144	106	18	83%
06/07/2016		180			
06/08/2016	105	167	113	11	90%
06/09/2016		165			
06/10/2016		199			
06/11/2016		205			
06/12/2016		187			
06/13/2016	103	177	114	9	92%
06/14/2016		200			
06/15/2016	126	183	134	11	92%
06/16/2016		181			
06/17/2016		188			
06/18/2016		170			
06/19/2016		203			
06/20/2016	134	204	144	17	88%
06/21/2016		173			
06/22/2016	116	167	123	13	89%
06/23/2016		202			
06/24/2016		155			
06/25/2016		156			
06/26/2016		182			
06/27/2016	113	197	123	9	93%
06/28/2016		167			
06/29/2016	114	186	124	12	90%
06/30/2016		167			
AVG	114	177	122	13	89%

DESIGN - 200 MGD

DATE	SWWPCP - JUNE 2016					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
06/01/2016	23	116	12	151	180	
06/02/2016	22	114	11	147	175	
06/03/2016	23	130	14	167	278	0.12
06/04/2016	22	110	13	145	170	
06/05/2016	24	137	16	177	322	0.44
06/06/2016	22	113	12	147	169	
06/07/2016	21	111	12	144	174	T
06/08/2016	21	122	13	156	248	0.13
06/09/2016	20	106	16	142	161	
06/10/2016	20	105	12	137	158	
06/11/2016	26	106	12	144	161	
06/12/2016	20	105	12	137	163	
06/13/2016	20	107	11	138	163	
06/14/2016	20	108	11	139	167	
06/15/2016	20	106	12	138	159	0.01
06/16/2016	21	138	14	173	299	0.38
06/17/2016	19	104	11	134	162	
06/18/2016	19	100	13	132	161	
06/19/2016	19	104	14	137	157	
06/20/2016	19	105	12	136	158	
06/21/2016	19	105	13	137	163	T
06/22/2016	19	105	13	137	167	
06/23/2016	20	120	14	154	287	0.16
06/24/2016	19	105	12	136	162	
06/25/2016	19	103	10	132	156	
06/26/2016	18	100	13	131	157	
06/27/2016	23	153	20	196	418	0.56
06/28/2016	20	118	14	152	178	0.07
06/29/2016	19	110	11	140	169	
06/30/2016	19	111	11	141	168	
TOTAL	616	3,377	384	4,377		1.87
AVG	21	113	13	146		
			MIN	131	156	
			MAX	196	418	

Central Laboratory

	NO2 - N		NO3 - N		NH3 - N		TKN		P
06/01/2016	0.491	<	0.250		18.20		19.70		0.199
06/06/2016	0.481	<	0.250		23.90		24.00		0.260
06/08/2016	0.400	<	0.250		22.60		23.60		0.071
06/10/2016	0.439	<	0.250		19.90		20.30		0.146
06/15/2016	0.491	<	0.250		21.00		23.20		0.271
06/22/2016	0.512		0.307		29.20		31.60		0.357
06/29/2016	0.420	<	0.250		19.10		19.40		0.281
AVG	0.462	<	0.258		21.99		23.11		0.226
MAX	0.512		0.307		29.20		31.60		0.357

	Total Cyanide	Free Cyanide	Phenolics
06/01/2016	< 0.010		
06/08/2016		< 0.010	< 0.040
06/10/2016		< 0.010	< 0.040
06/12/2016		< 0.010	< 0.040
AVG	< 0.010	< 0.010	< 0.040

Date	06/06/2016		06/08/16		06/10/16		AVG	
Copper	0.0060	<	0.0030		0.0050		0.0047	
Iron Total	0.0720		0.0720		0.1280		0.0907	
Iron Dissolved	0.0510		0.0510		0.0570		0.0530	
Lead	<	0.0030	<	0.0030	<	0.0030	<	0.0030
Nickel		0.0040	<	0.0030		0.0040		0.0037
Selenium	<	0.0030	<	0.0030	<	0.0030	<	0.0030
Zinc	<	0.0250	<	0.0250	<	0.0250	<	0.0250

		6/5/2016	6/6/2016	6/7/2016	6/8/2016	6/9/2016	6/10/2016	AVG
1,2-Dichloroethane	<	0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
alpha-Endosulfan	<		< 0.0000100	<	< 0.0000100		< 0.0000130	< 0.0000110
Benzidine	<		< 0.0580	<	< 0.0570	<	< 0.0570	< 0.0573
beta-BHC	<		< 0.0000083	<	< 0.0000081	<	< 0.0000084	< 0.0000083
Chlordane	<		< 0.0004100	<	< 0.0004100	<	< 0.0004200	< 0.0004133
Chloroform		0.0027	< 0.0025	0.0030	< 0.0025	< 0.0025	< 0.0025	< 0.0026
Dieldrin			< 0.0000170	<	< 0.0000160	<	< 0.0000170	< 0.0000167
Heptachlor			< 0.0000083	<	< 0.0000081	<	< 0.0000084	< 0.0000083
Lindane (Gamma-BHC)			< 0.0000083	<	< 0.0000081	<	< 0.0000084	< 0.0000083
p,p'-DDD			< 0.0000170	<	< 0.0000160	<	< 0.0000170	< 0.0000167
p,p'-DDE			< 0.0000170	<	< 0.0000160	<	< 0.0000170	< 0.0000167
p,p'-DDT			< 0.0000170	<	< 0.0000160	<	< 0.0000170	< 0.0000167
Tetrachloroethylene	<	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

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JUNE 2016

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

6/10/2016

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic		8
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic		2

File Name: 201606SL
 Print Date: 07/28/2016

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP		
JUNE 2016	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	Biosolids Recycle Center / Synagro			Biosolids Recycle Center / Synagro		
	From NEWPCP MGD	MGD		From SWWPCP 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
TOTAL	21.807	21.863	2,141	31.003	31.566	2,915
AVERAGE	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 Southwest 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: 17783

Submission Status: Received
Submission Id : 24858
Submission Status : Received
Facility Name : PHILA WATER DEPT - SOUTHWEST WPC PLANT
Permit Number : PA0026671
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:	479110	Facility Name:	PHILA WATER DEPT - SOUTHWEST WPC PLANT	Location Address:	8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153
Permit Number:	PA0026671	Monitoring Period:	04/01/2016-06/30/2016	Mailing Address:	1101 MARKET ST4TH 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	***	***	***	***	***	8	TUc	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	***	***	***	***	<.0004133	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
alpha-Endosulfan	Sample Measurement	***	***	***	***	.0000110	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Benzidine	Sample Measurement	***	***	***	***	<.0573	***	mg/L	Grab	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/quarter
4,4-DDT	Sample Measurement	***	***	***	***	<.0000167	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDD	Sample Measurement	***	***	***	***	<.0000167	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDE	Sample Measurement	***	***	***	***	<.0000167	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
beta-BHC	Sample Measurement	***	***	***	***	<.0000083	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
gamma-BHC (Lindane)	Sample Measurement	***	***	***	***	<.0000083	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Dieldrin	Sample Measurement	***	***	***	***	<.0000167	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Heptachlor	Sample Measurement	***	***	***	***	<.0000083	***	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)**

Toxicity, Chronic - Pimephales Survival	Sample Measurement	***	***	***	***	***	2	TUc	24-Hr Composite	1/quarter
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		24-Hr Composite	1/quarter
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS			
File Name	Attachment Type	Uploaded Time	Attachment Comment
BLSSW201606.xls	WET Test Summary Report	2016-07-28T10:37:26-04:00	
Cryptographic Hash Value of File (SHA-512)	018D4BC76CF1C38AEA6D39392C91712EE0D03A9B967259BA8A7E093991328EEAFB7199E88A2516F981F3E161FADAC2B9E9D3555B19BD26FC03E1BA9E94268876		
SW WET Testing Composite (07-21-2016).pdf	Laboratory Accreditation Form	2016-07-27T09:31:46-04:00	
Cryptographic Hash Value of File (SHA-512)	77817D815BB32A47A7D9B63830ABF61EF581ED0F65E4AA0D4D1DFE457C38EBC93FEF1AD9B5DFA81F14AE830BF80746CFA0778D64D949E3645D57422E48160EB4		
SW WW NPDES Weekly (07-21-2016).pdf	Laboratory Accreditation Form	2016-07-27T09:32:21-04:00	
Cryptographic Hash Value of File (SHA-512)	A2546A07846C39BF7621C7995EFBD93DEEC191E0D134C51AF5766BF654CF346EF0632775D89E8C06F50F16F06880D49D78B8B7DC88404CAE436A0F975FFD54F6		

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
32782	Final Effluent(001)	Toxicity, Chronic - Ceriodaphnia Survival	Sample type not in accordance with permit	

COMMENTS DETAILS

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

SUBMISSION INFORMATION

*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).

Submitted By GreenPort User	SENSSM	Submitted By Full Name	Mary Ellen Senss
Email Address	maryellen.senss@phila.gov	Document Generated	7/28/2016

Central Laboratory

	NO2 - N		NO3 - N		NH3 - N		TKN		P
06/01/2016	0.491	<	0.250		18.20		19.70		0.199
06/06/2016	0.481	<	0.250		23.90		24.00		0.260
06/08/2016	0.400	<	0.250		22.60		23.60		0.071
06/10/2016	0.439	<	0.250		19.90		20.30		0.146
06/15/2016	0.491	<	0.250		21.00		23.20		0.271
06/22/2016	0.512		0.307		29.20		31.60		0.357
06/29/2016	0.420	<	0.250		19.10		19.40		0.281
AVG	0.462	<	0.258		21.99		23.11		0.226
MAX	0.512		0.307		29.20		31.60		0.357

	Total Cyanide	Free Cyanide	Phenolics
06/01/2016	< 0.010		
06/08/2016		< 0.010	< 0.040
06/10/2016		< 0.010	< 0.040
06/12/2016		< 0.010	< 0.040
AVG	< 0.010	< 0.010	< 0.040

Date	06/06/2016		06/08/16		06/10/16		AVG	
Copper	0.0060	<	0.0030		0.0050		0.0047	
Iron Total	0.0720		0.0720		0.1280		0.0907	
Iron Dissolved	0.0510		0.0510		0.0570		0.0530	
Lead	<	0.0030	<	0.0030	<	0.0030	<	0.0030
Nickel		0.0040	<	0.0030		0.0040		0.0037
Selenium	<	0.0030	<	0.0030	<	0.0030	<	0.0030
Zinc	<	0.0250	<	0.0250	<	0.0250	<	0.0250

		6/5/2016	6/6/2016	6/7/2016	6/8/2016	6/9/2016	6/10/2016	AVG
1,2-Dichloroethane	<	0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
alpha-Endosulfan	<		< 0.0000100	<	< 0.0000100		< 0.0000130	< 0.0000110
Benzidine	<		< 0.0580	<	< 0.0570	<	< 0.0570	< 0.0573
beta-BHC	<		< 0.0000083	<	< 0.0000081	<	< 0.0000084	< 0.0000083
Chlordane	<		< 0.0004100	<	< 0.0004100	<	< 0.0004200	< 0.0004133
Chloroform		0.0027	< 0.0025	0.0030	< 0.0025	< 0.0025	< 0.0025	< 0.0026
Dieldrin	<		< 0.0000170	<	< 0.0000160	<	< 0.0000170	< 0.0000167
Heptachlor	<		< 0.0000083	<	< 0.0000081	<	< 0.0000084	< 0.0000083
Lindane (Gamma-BHC)	<		< 0.0000083	<	< 0.0000081	<	< 0.0000084	< 0.0000083
p,p'-DDD	<		< 0.0000170	<	< 0.0000160	<	< 0.0000170	< 0.0000167
p,p'-DDE	<		< 0.0000170	<	< 0.0000160	<	< 0.0000170	< 0.0000167
p,p'-DDT	<		< 0.0000170	<	< 0.0000160	<	< 0.0000170	< 0.0000167
Tetrachloroethylene	<	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

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JUNE 2016

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

6/10/2016

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic		8
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

SW WW NPDES Weekly

Report Date: 07/21/2016

WW160601-027

Composite 24h 06/01/2016 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	6/3/2016	14:20	6/7/2016	15:34	19.7	mg/L as N	1	mg/L as N

Data Qualifiers:

TKN	Laboratory Fortified Matrix (LFM) recovery is 110.5%. 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: 7/21/2016

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

SW WET Testing Composite

Report Date: 07/21/2016

WW160606-028

Composite 24h 06/06/2016 00:59

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4,4'-DDD ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.017 ^E	µg/L	0.017	µg/L
4,4'-DDE ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.017 ^E	µg/L	0.017	µg/L
4,4'-DDT ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.017 ^E	µg/L	0.017	µg/L
Aldrin ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.0083 ^E	µg/L	0.0083	µg/L
alpha-BHC ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.0083 ^E	µg/L	0.0083	µg/L
Aroclor 1016 ^{B,D}	EPA 608	6/13/2016	17:00	6/14/2016	20:18	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1260 ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.41 ^E	µg/L	0.41	µg/L
beta-BHC ^{B,D}	EPA 608	6/13/2016	17:00	6/14/2016	20:18	<0.0083 ^E	µg/L	0.0083	µg/L
CBOD5	SM 5210 B	6/6/2016	13:25	6/11/2016	8:25	2.12	mg/L	2	mg/L
Chlordane ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.41 ^E	µg/L	0.41	µg/L
delta-BHC ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.0083 ^E	µg/L	0.0083	µg/L
Dieldrin ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.017 ^E	µg/L	0.017	µg/L
Endosulfan I ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	0.01 ^E	µg/L	0.0083	µg/L
Endosulfan II ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.017 ^E	µg/L	0.017	µg/L
Endosulfan sulfate ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.017 ^E	µg/L	0.017	µg/L
Endrin ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.017 ^E	µg/L	0.017	µg/L
Endrin aldehyde ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.083 ^E	µg/L	0.083	µg/L
gamma-BHC ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.0083 ^E	µg/L	0.0083	µg/L
Heptachlor ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.0083 ^E	µg/L	0.0083	µg/L
Heptachlor epoxide ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.0083 ^E	µg/L	0.0083	µg/L
TKN	SM 4500-Norg D	6/10/2016	14:15	6/13/2016	13:41	24	mg/L	1	mg/L
Toxaphene ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	3:19	<0.83 ^E	µg/L	0.83	µg/L

Data Qualifiers:

4,4'-DDD	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
4,4'-DDE	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
4,4'-DDT	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Aldrin	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
alpha-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1016	The recovery of the LCS is 57%, which is outside the acceptance limits of 60-117%. The RPD is 44, which is outside the acceptance limit of = 30. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1260	The LCS and LCSD were within the acceptance limits but the RPD was not. The RPD is 47, which is outside the acceptance limit of = 30. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
beta-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
CBOD5	Laboratory Fortified Blank (LFB) recovery is 163 mg/L. Acceptance limits are 168 to 229 mg/L.
Chlordane	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
delta-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Dieldrin	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Endosulfan I	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Endosulfan II	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Endosulfan sulfate	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.

Endrin	The LCS and LCSD were within the acceptance limits but the RPD was not. The RPD is 31, which is outside the acceptance limit of = 30. The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Endrin aldehyde	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
gamma-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Heptachlor	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Heptachlor epoxide	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
TKN	Laboratory Fortified Matrix (LFM) recovery is 125%. Acceptance limits are 90 to 110%.
Toxaphene	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.

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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
2,4-Dimethylphenol ^{B,D}	EPA 625	6/9/2016	17:00	6/14/2016	7:31	<5 ^E	µg/L	5	µg/L
2,4-Dinitrotoluene ^{B,D}	EPA 625	6/9/2016	17:00	6/14/2016	7:31	<5 ^E	µg/L	5	µg/L
4,4'-DDD ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.016 ^E	µg/L	0.016	µg/L
4,4'-DDE ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.016 ^E	µg/L	0.016	µg/L
4,4'-DDT ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.016 ^E	µg/L	0.016	µg/L
Aldrin ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.0081 ^E	µg/L	0.0081	µg/L
alpha-BHC ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.0081 ^E	µg/L	0.0081	µg/L
Aroclor 1016 ^{B,D}	EPA 608	6/13/2016	17:00	6/14/2016	20:30	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1260 ^{B,D}	EPA 608	6/13/2016	17:00	6/14/2016	20:30	<0.41 ^E	µg/L	0.41	µg/L
beta-BHC ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.0081 ^E	µg/L	0.0081	µg/L
CBOD5	SM 5210 B	6/8/2016	13:30	6/13/2016	10:15	<2.00	mg/L	2	mg/L
Chlordane ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.41 ^E	µg/L	0.41	µg/L
delta-BHC ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.0081 ^E	µg/L	0.0081	µg/L
Dieldrin ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.016 ^E	µg/L	0.016	µg/L

Endosulfan I ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	0.01 ^E	µg/L	0.0081	µg/L
Endosulfan II ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.016 ^E	µg/L	0.016	µg/L
Endosulfan sulfate ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.016 ^E	µg/L	0.016	µg/L
Endrin ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.016 ^E	µg/L	0.016	µg/L
Endrin aldehyde ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.081 ^E	µg/L	0.081	µg/L
gamma-BHC ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.0081 ^E	µg/L	0.0081	µg/L
Heptachlor ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.0081 ^E	µg/L	0.0081	µg/L
Heptachlor epoxide ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.0081 ^E	µg/L	0.0081	µg/L
p-Chloro-m-cresol ^{B,D}	EPA 625	6/9/2016	17:00	6/14/2016	7:31	<5 ^E	µg/L	5	µg/L
TKN	SM 4500-Norg D	6/10/2016	14:15	6/13/2016	13:47	23.6	mg/L	1	mg/L
Toxaphene ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	4:55	<0.81 ^E	µg/L	0.81	µg/L

Data Qualifiers:

2,4-Dimethylphenol	The recovery of the matrix spike is 41% and the recovery of the matrix spike dup is 53% which are both outside the acceptance limits of 72-110%.
2,4-Dinitrotoluene	The recovery of the matrix spike dup is 83% which is outside the acceptance limits of 85-117%.
4,4'-DDD	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
4,4'-DDE	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
4,4'-DDT	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Aldrin	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
alpha-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1016	The recovery of the LCS is 57%, which is outside the acceptance limits of 60-117%. The RPD is 44, which is outside the acceptance limit of = 30. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1260	The LCS and LCSD were within the acceptance limits but the RPD was not. The RPD is 47, which is outside the acceptance limit of = 30. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
beta-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.

CBOD5	Laboratory Fortified Blank (LFB) recovery is 149%. Acceptance limits are 168 to 229%.
Chlordane	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
delta-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Dieldrin	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Endosulfan I	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Endosulfan II	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Endosulfan sulfate	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Endrin	The LCS and LCSD were within the acceptance limits but the RPD was not. The RPD is 31, which is outside the acceptance limit of = 30. The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Endrin aldehyde	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
gamma-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Heptachlor	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Heptachlor epoxide	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
p-Chloro-m-cresol	The recovery of the matrix spike is 67% which is outside the acceptance limits of 72-116%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 125%. Acceptance limits are 90 to 110%.
Toxaphene	The recovery of one of the surrogates, Decachlorobiphenyl, is 29% in the method blank, 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 data is reported from the first trial. Similar results 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
4,4'-DDD ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.017 ^E	µg/L	0.017	µg/L
4,4'-DDE ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.017 ^E	µg/L	0.017	µg/L
4,4'-DDT ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.017 ^E	µg/L	0.017	µg/L
Aldrin ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.0084 ^E	µg/L	0.0084	µg/L
alpha-BHC ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.0084 ^E	µg/L	0.0084	µg/L
Aroclor 1016 ^{B,D}	EPA 608	6/13/2016	17:00	6/14/2016	21:39	<0.42 ^E	µg/L	0.42	µg/L
Aroclor 1260 ^{B,D}	EPA 608	6/13/2016	17:00	6/14/2016	21:39	<0.42 ^E	µg/L	0.42	µg/L
beta-BHC ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.0084 ^E	µg/L	0.0084	µg/L
CBOD5	SM 5210 B	6/10/2016	13:55	6/15/2016	10:00	<2.00	mg/L	2	mg/L
Chlordane ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:20	<0.42 ^E	µg/L	0.42	µg/L
delta-BHC ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:20	<0.0084 ^E	µg/L	0.0084	µg/L
Dieldrin ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.017 ^E	µg/L	0.017	µg/L
Endosulfan I ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	0.03 ^E	µg/L	0.0084	µg/L
Endosulfan II ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.017 ^E	µg/L	0.017	µg/L
Endosulfan sulfate ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.017 ^E	µg/L	0.017	µg/L
Endrin ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.017 ^E	µg/L	0.017	µg/L
Endrin aldehyde ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.084 ^E	µg/L	0.084	µg/L
gamma-BHC ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.0084 ^E	µg/L	0.0084	µg/L
Heptachlor ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.0084 ^E	µg/L	0.0084	µg/L
Heptachlor epoxide ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.0084 ^E	µg/L	0.0084	µg/L
Hexachlorocyclopentadiene ^{B,D}	EPA 625	6/13/2016	22:45	6/14/2016	19:58	<14 ^E	µg/L	14	µg/L
Toxaphene ^{B,D}	EPA 608	6/13/2016	17:00	6/16/2016	5:50	<0.84 ^E	µg/L	0.84	µg/L

Data Qualifiers:

4,4'-DDD	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
4,4'-DDE	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.

4,4'-DDT	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Aldrin	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials
alpha-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials
Aroclor 1016	The recovery of the LCS is 57%, which is outside the acceptance limits of 60-117%. The RPD is 44, which is outside the acceptance limit of = 30. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
Aroclor 1260	The LCS and LCSD were within the acceptance limits but the RPD was not. The RPD is 47, which is outside the acceptance limit of = 30. Corrective action: The sample was re-extracted outside the method hold time and the QC is compliant. The data is reported from the first trial. Similar results obtained in both trials.
beta-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
CBOD5	Laboratory Fortified Blank (LFB) recovery is 149.5%. Acceptance limits are 168 to 229%.
Chlordane	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
delta-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Dieldrin	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Endosulfan I	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Endosulfan II	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Endosulfan sulfate	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Endrin	The LCS and LCSD were within the acceptance limits but the RPD was not. The RPD is 31, which is outside the acceptance limit of = 30. The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Endrin aldehyde	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.

gamma-BHC	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Heptachlor	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Heptachlor epoxide	The recovery of one of the surrogates, Decachlorobiphenyl, is 31% in the method blank, 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 data is reported from the first trial. Similar results obtained in both trials.
Hexachlorocyclopentadiene	The recovery of the LCS is 12% and the LCSD is 14%, 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 method blank, 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 data is reported from the first trial. Similar results obtained in both trials.

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:

7/21/2016



Debra A. McCarty, Water Commissioner

August 27, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Southwest 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 : 26704

Submission Status : Received

Facility Name : PHILA WATER DEPT - SOUTHWEST WPC PLANT

Permit Number : PA0026671

Report Type : Monthly

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

Monitoring Report Due Date : 08/28/2016

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for July 2016

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

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

HEADER INFORMATION

Facility ID:	479110	Facility Name:	PHILA WATER DEPT - SOUTHWEST WPC PLANT	Location Address:	8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153
Permit Number:	PA0026671	Monitoring Period:	07/01/2016-07/31/2016	Mailing Address:	1101 MARKET ST4TH 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	***	***	***	2.9	4.3	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.9	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5744	6444	lbs/day	***	5	6	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	18.88	21.50	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	***	***	***	***	1.293	1.720	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	***	***	***	***	.640	.902	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	***	***	***	***	21.18	24.60	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	***	***	***	***	.246	.376	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	***	***	***	***	.0033	***	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
Copper, Total	Sample Measurement	***	***	***	***	.0060	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.2090	***	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

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

Nickel, Total	Sample Measurement	***	***	***	***	.0040	***	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
Selenium, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	151	249	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.13	.28	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement	***	***	***	***	.010	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
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	***	***	***	***	64	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	5764	6186	lbs/day	***	5	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	17405	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	94.83	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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										

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

Sampling Point		101		Stage Code			Final Effluent		No Discharge Indicator	Y
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS			
File Name	Attachment Type	Uploaded Time	Attachment Comment
E-NPDES SW201607.xls	Daily Effluent Monitoring Form	2016-08-25T10:49:16-04:00	
Cryptographic Hash Value of File (SHA-512)	8283B8534B8F4918B3DC5A23A39690A40D657CCE2F56FE239581136334BFA2C76A61174E58A09E890B3B192E6C8BFFE782383641E642F1D6059C1936EC83EB4D		
SW Outfall Monthly Composite 1 & 2 (08-22-2016).pdf	Laboratory Accreditation Form	2016-08-25T10:48:36-04:00	
Cryptographic Hash Value of File (SHA-512)	A3D98F944C1907C6E7AC944AB7A724905D94EDB98D11817706068C88EFF82E08533D2A218DEFE53631A7821B80D9FE889BFF74B45B321D798EB6C23E714CCE63		
BLSSW201607.xls	Nutrient Monitoring Form	2016-08-25T10:49:50-04:00	
Cryptographic Hash Value of File (SHA-512)	C80E6BBF60068A7B3D22D69BD25FF88136A6BEFBD427317C813C6E6814E2122DF226B03179740AD752476E21F3DC82BDDFE5BA572517C1C70E966756DFD23310		
201607SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-08-25T10:50:52-04:00	
Cryptographic Hash Value of File (SHA-512)	AE9760CC15F738A62C0C50411885013761DDE4953092622C29CF8EE6350EF934F6939B83F65FF855DEF055BFBC1E00568056B180FE0E0FC9B97662E8F8DF4D98		
SWCSO 201607.xls	CSO Detailed Outfall Report Form	2016-08-25T10:50:20-04:00	
Cryptographic Hash Value of File (SHA-512)	77FE86951C0E959EA2E537C69C4C0D19CD23125E9E87792B34849DA19DBCEA0DFFBF4AB25E691BB1772603654D8A0BA9DA32CF5FE5C55CD1B11542068750975B		

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
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

SUBMISSION INFORMATION

*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).

Submitted By GreenPort User	SENSSM	Submitted By Full Name	Mary Ellen Senss
Email Address	maryellen.senss@phila.gov	Document Generated	8/25/2016

PERMIT

SWWPCP - JULY 2016

COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	eff (mg/l)	Suspended Solids SS% REM SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
------	---------------	---------------	---------------	--------------------------------------	-----	-------	---------------	---------------	----------------------	----------------	-----	-------	----------------------

F	07/01/2016	151	158	3	98	3,778	88	5	94.29		6,297		
S	07/02/2016	133	106	2	98	2,218	80	4	95.00		4,437		
Su	07/03/2016	129	164	4	98	4,303	77	4	94.81		4,303		
M	07/04/2016	177	169	8	95	11,809	91	5	94.48		7,381		14
T	07/05/2016	147	145	7	95	8,582	79	4	94.95		4,904		
W	07/06/2016	131	148	6	96	6,555	82	5	93.93		5,463		12
Th	07/07/2016	137	140	4	97	4,570	109	5	95.39		5,713		
F	07/08/2016	136	123	6	95	6,805	104	5	95.21		5,671		
S	07/09/2016	135	162	4	98	4,504	102	6	94.12		6,755		
Su	07/10/2016	130	182	8	96	8,674	104	5	95.20		5,421		
M	07/11/2016	130	169	5	97	5,421	105	6	94.27		6,505		12
T	07/12/2016	139	153	3	98	3,478	97	4	95.89		4,637		
W	07/13/2016	168	186	5	97	7,006	102	6	94.14		8,407		13
Th	07/14/2016	163	178	3	98	4,078	84	3	96.41		4,078		
F	07/15/2016	161	104	4	96	5,371	78	3	96.15		4,028		
S	07/16/2016	156	195	3	98	3,903	90	5	94.45		6,505		
Su	07/17/2016	134	229	4	98	4,470	94	3	96.82		3,353		
M	07/18/2016	166	192	4	98	5,538	92	5	94.58		6,922		13
T	07/19/2016	133	120	3	98	3,328	82	5	93.89		5,546		
W	07/20/2016	129	136	4	97	4,303	88	3	96.60		3,228		11
Th	07/21/2016	134	194	5	97	5,588	105	3	97.13		3,353		
F	07/22/2016	134	134	3	98	3,353	100	6	94.00		6,705		
S	07/23/2016	158	240	4	98	5,271	81	5	93.84		6,589		
Su	07/24/2016	130	179	7	96	7,589	82	5	93.92		5,421		
M	07/25/2016	249	143	6	96	12,460	87	6	93.08		12,460		12
T	07/26/2016	163	129	2	98	2,719	63	2	96.84		2,719		
W	07/27/2016	146	145	4	97	4,871	93	6	93.56		7,306		16
Th	07/28/2016	167	120	6	95	8,357	82	6	92.68		8,357		
F	07/29/2016	178	179	5	97	7,423	73	5	93.15		7,423		
S	07/30/2016	180	248	4	98	6,005	102	4	96.07		6,005		
Su	07/31/2016	168	104	2	98	2,802	82	2	97.57		2,802		

TOTAL	4,524	4,871	136				2,696	139					
AVERAGE	151	162	5	97	5,744		90	5	94.83		5,764		13

Wk1	135	153	6		6,444		98	5			5,776		
Wk2	155	177	4		4,835		91	4			5,419		
Wk3	152	164	5		5,985		89	5			6,186		
Wk4	167	154	4		5,363		83	4			5,769		

MAX 249

CBOD 20 LBS---- 17,405

NPDES/ MO <30 >85 <50,400 <25 >89.25 <19,800
LIMIT WK <45 <75,060 <40 <29,700

CBOD 20 MO LIMIT---- <35,830

* ACTUAL PERCENT 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

SWWPCP - JULY 2016

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF	DISSOLVED OXYGEN (mg/l)	CHLORINE RESIDUAL (mg/l)	FECAL COLIFORM (MPN / 100mL)
F	07/01/2016	151	7.1	4.6	0.23	47
S	07/02/2016	133	7.0	4.5	0.28	62
Su	07/03/2016	129	7.0	4.5	0.27	27
M	07/04/2016	177	7.0	4.3	0.19	24
T	07/05/2016	147	6.9	3.6	0.20	173
W	07/06/2016	131	7.0	3.2	0.09	29
Th	07/07/2016	137	6.9	4.0	0.12	19
F	07/08/2016	136	7.0	4.9	0.09	139
S	07/09/2016	135	7.0	5.0	0.06	61
Su	07/10/2016	130	7.0	5.0	0.06	46
M	07/11/2016	130	7.0	3.5	0.06	27
T	07/12/2016	139	7.0	3.8	0.07	26
W	07/13/2016	168	7.1	4.5	0.10	28
Th	07/14/2016	163	7.1	4.2	0.14	18
F	07/15/2016	161	7.0	4.2	0.21	35
S	07/16/2016	156	7.0	4.2	0.22	28
Su	07/17/2016	134	7.0	4.3	0.12	129
M	07/18/2016	166	7.0	4.4	0.17	73
T	07/19/2016	133	7.0	4.2	0.16	249
W	07/20/2016	129	7.0	4.2	0.06	461
Th	07/21/2016	134	6.9	3.7	0.07	387
F	07/22/2016	134	7.0	3.1	0.08	261
S	07/23/2016	158	6.9	2.9	< 0.05	236
Su	07/24/2016	130	7.0	5.4	< 0.05	126
M	07/25/2016	249	6.9	5.6	0.13	387
T	07/26/2016	163	7.0	5.2	0.06	28
Su	07/27/2016	146	7.0	4.5	0.14	64
M	07/28/2016	167	7.0	4.0	0.13	36
T	07/29/2016	178	7.0	4.2	0.16	40
W	07/30/2016	180	7.0	4.0	0.16	40
W	07/31/2016	168	7.0	4.6	0.19	35
Total Avg		4,692 151	MIN 6.9 MAX 7.1	MIN 2.9 AVG 4.3	AVG 0.13 MAX 0.28	MEAN 64

Wk1 135
Wk2 155
Wk3 152
Wk4 167

NPDES/
LIMIT EFFLUENT
 MIN MAX
 6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT SWWPCP - JULY 2016

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
07/01/2016	19	119	148	160	158	147	79	88
07/02/2016	18	102	148	100	106	138	71	80
07/03/2016	17	99	216	156	164	150	66	77
07/04/2016	20	141	212	164	169	150	83	91
07/05/2016	20	114	204	136	145	138	70	79
07/06/2016	18	102	200	140	148	141	73	82
07/07/2016	19	106	236	124	140	149	102	109
07/08/2016	18	105	140	120	123	126	101	104
07/09/2016	18	104	204	156	162	135	97	102
07/10/2016	18	99	216	176	182	186	91	104
07/11/2016	18	101	224	160	169	165	95	105
07/12/2016	18	110	216	144	153	146	90	97
07/13/2016	20	135	200	184	186	150	96	102
07/14/2016	19	132	224	172	178	179	71	84
07/15/2016	18	131	228	88	104	173	66	78
07/16/2016	19	122	220	192	195	155	81	90
07/17/2016	18	106	160	240	229	147	86	94
07/18/2016	20	131	192	192	192	167	82	92
07/19/2016	18	104	172	112	120	132	74	82
07/20/2016	17	101	164	132	136	150	79	88
07/21/2016	18	104	204	192	194	154	97	105
07/22/2016	17	104	176	128	134	155	92	100
07/23/2016	18	127	176	248	240	153	72	81
07/24/2016	17	102	224	172	179	164	70	82
07/25/2016	28	194	228	132	143	147	79	87
07/26/2016	20	130	164	124	129	108	57	63
07/27/2016	18	117	156	144	145	151	85	93
07/28/2016	20	133	176	112	120	163	71	82
07/29/2016	20	141	204	176	179	136	65	73
07/30/2016	20	144	180	256	248	132	98	102
07/31/2016	22	133	184	92	104	164	70	82
AVG	19	119	193	156	160	150	81	90

PERMIT

SWWPCP - JULY 2016

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
07/01/2016		161			
07/02/2016		157			
07/03/2016		175			
07/04/2016	95	179	104	16	85%
07/05/2016		147			
07/06/2016	92	173	103	11	89%
07/07/2016		159			
07/08/2016		161			
07/09/2016		176			
07/10/2016		218			
07/11/2016	110	183	120	12	90%
07/12/2016		194			
07/13/2016	120	185	128	12	91%
07/14/2016		198			
07/15/2016		198			
07/16/2016		188			
07/17/2016		180			
07/18/2016	92	179	102	12	88%
07/19/2016		141			
07/20/2016	90	169	100	8	92%
07/21/2016		182			
07/22/2016		193			
07/23/2016		168			
07/24/2016		182			
07/25/2016	93	164	101	15	85%
07/26/2016		138			
07/27/2016	124	183	131	13	90%
07/28/2016		195			
07/29/2016		177			
07/30/2016		174			
07/31/2016		179			
AVG	102	176	111	12	89%

DESIGN - 200 MGD

SWWPCP - JULY 2016						RAIN
DATE	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
07/01/2016	19	119	13	151	247	T
07/02/2016	18	102	13	133	162	
07/03/2016	17	99	13	129	160	
07/04/2016	20	141	16	177	336	0.29
07/05/2016	20	114	13	147	225	0.08
07/06/2016	18	102	11	131	153	
07/07/2016	19	106	12	137	157	
07/08/2016	18	105	13	136	156	T
07/09/2016	18	104	13	135	159	0.01
07/10/2016	18	99	13	130	152	
07/11/2016	18	101	11	130	154	
07/12/2016	18	110	11	139	153	
07/13/2016	20	135	13	168	315	0.12
07/14/2016	19	132	12	163	200	0.03
07/15/2016	18	131	12	161	244	
07/16/2016	19	122	15	156	270	0.10
07/17/2016	18	106	10	134	170	
07/18/2016	20	131	15	166	328	0.58
07/19/2016	18	104	11	133	154	
07/20/2016	17	101	11	129	157	
07/21/2016	18	104	12	134	153	
07/22/2016	17	104	13	134	167	
07/23/2016	18	127	13	158	269	T
07/24/2016	17	102	11	130	383	
07/25/2016	28	194	27	249	427	1.68
07/26/2016	20	130	13	163	208	
07/27/2016	18	117	11	146	178	
07/28/2016	20	133	14	167	285	0.33
07/29/2016	20	141	17	178	328	0.39
07/30/2016	20	144	16	180	289	0.27
07/31/2016	22	133	13	168	242	T
TOTAL	588	3,693	411	4,692		3.88
AVG	19	119	13	151		
		MIN		129	152	
		MAX		249	427	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JULY 2016

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
07/06/2016	0.581	0.256	21.50	24.60	0.223
07/13/2016	1.190	0.536	20.10	23.60	0.376
07/20/2016	1.720	0.865	19.70	21.80	0.178
07/27/2016	1.680	0.902	14.20	14.70	0.206
 AVG	1.293	0.640	18.88	21.18	0.246
MAX	1.720	0.902	21.50	24.60	0.376

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
07/06/2016		< 0.010	
07/07/2016	< 0.010		< 0.030

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	07/06/2016
Copper	0.0060
Iron	0.2650
Iron Dissolved	0.2090
Lead	< 0.0030
Nickel	0.0040
Selenium	< 0.0030
Zinc	< 0.0250

Organics Data (mg/L)

Southwest WPCP - Outfall

	07/04/2016
1,2-Dichloroethane	< 0.0025
Chloroform	0.0033
Tetrachloroethylene	< 0.0025
Trichloroethylene	< 0.0025

File Name: 201607SL
 Print Date: 08/25/2016

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP				
JULY 2016	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT		
	Biosolids Recycle Center / Synagro			Biosolids Recycle Center / Synagro				
	From NEWPCP MGD	MGD			From SWWPCP 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		
TOTAL	21.759	22.163	2,285	30.981	31.254	3,472.0		
AVERAGE	0.702	0.715	74	0.999	1.008	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

SW Outfall Monthly Composite 1 & 2

Report Date: 08/22/2016

WW160706-027

Composite 24h 07/06/2016 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	7/8/2016	14:40	7/12/2016	17:43	24.6	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%.
-----	-----------------------------------------------------------------------------------------

WW160707-025

Composite 24h 07/07/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Free	SM 4500-CN E-1999			7/12/2016	15:11	<0.010	mg/L	0.010	mg/L
Phenols ^{B,D}	EPA 420.4			7/14/2016	2:46	<0.030 ^E	µg/L	0.030	µg/L

Data Qualifiers:

Cyanide Free	Laboratory Fortified Matrix (LFM) recovery is 61%. Acceptance limits are 90 to 110%.
Phenols	Laboratory Fortified Matrix (LFM) recovery is 113%. Acceptance limits are 90 to 110%.

WW160728-025

Composite 24h 07/28/2016 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Phenols ^{B,D}	EPA 420.4			8/10/2016	6:03	<0.030 ^E	mg/L	0.030	mg/L

Data Qualifiers:

Phenols	Laboratory Fortified Matrix (LFM) recovery is 164%. 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:

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 Southwest 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 : 29454

Submission Status : Received

Facility Name : PHILA WATER DEPT - SOUTHWEST WPC PLANT

Permit Number : PA0026671

Report Type : Monthly

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

Monitoring Report Due Date : 09/28/2016

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for August 2016

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET
 MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

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

HEADER INFORMATION

Facility ID:	479110	Facility Name:	PHILA WATER DEPT - SOUTHWEST WPC PLANT	Location Address:	8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153
Permit Number:	PA0026671	Monitoring Period:	08/01/2016-08/31/2016	Mailing Address:	1101 MARKET ST4TH 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	4.1	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.9	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5275	5988	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	20.16	24.70	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	***	***	***	***	1.106	1.410	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	***	***	***	***	1.903	2.490	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	***	***	***	***	21.92	28.30	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	***	***	***	***	.245	.396	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
Copper, Total	Sample Measurement	***	***	***	***	.0060	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0720	***	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

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

Nickel, 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	***	***	***	***	.0270	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Selenium, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	142	187	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.13	.29	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement	***	***	***	***	.010	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
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	***	***	***	***	48	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	5337	5988	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	16027	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	95.41	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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										

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

Sampling Point		101		Stage Code			Final Effluent		No Discharge Indicator	Y
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Sample Type	Sample Frequency
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Facility Comments										

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS			
File Name	Attachment Type	Uploaded Time	Attachment Comment
E-NPDES SW201608.xls	Daily Effluent Monitoring Form	2016-09-27T14:45:42-04:00	
Cryptographic Hash Value of File (SHA-512)	8F41972401C42AE5EE3543925BF1BDBC2F71B0E65FE24648446C94D14A7A4244FB5B094023179ED9EC5FEE62B772A19F31CBFC09D29D07EB0C5ACEBA312382B		
SW Daily Composite (09-22-2016).pdf	Laboratory Accreditation Form	2016-09-27T14:47:49-04:00	
Cryptographic Hash Value of File (SHA-512)	FEEFEDEF341BD293295338989F2971C701F7A0E440E324E8325CD81316A7734865F94825F753A223C3CC5D126A6DDB3C996805275998D7CDB75AFC17FFF85B9B		
BLSSW201608.xls	Nutrient Monitoring Form	2016-09-27T14:46:09-04:00	
Cryptographic Hash Value of File (SHA-512)	13A0D90DAEEBDF5AD70762424D30938E1ED27AE1C6F9B840F585D720FE11A28CEBAF51014DC60FB5A131AB74B6931B96684EB7CD3827711FF6E46A5FC24E909F		
201608SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-09-27T14:47:15-04:00	
Cryptographic Hash Value of File (SHA-512)	645A21EBDA8E83DA3B3F33F9547ABF353DBBB531B6D605D63B186A3F7858B92273AE241012D25E3056F09E5CA0B3AA7AE8684E52673BA356FD649C84AB83B11A		
SWCSO 201608.xls	CSO Detailed Outfall Report Form	2016-09-27T14:46:44-04:00	
Cryptographic Hash Value of File (SHA-512)	B49B344970B294B12CE797CB16438415C4A41303ED20899695221F926F0E26BD2BB601E38D09D0B4D3382848E0D65EDF0E6AB50E5D646F5D3C9F1B49B2AF6045		

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
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

SUBMISSION INFORMATION			
*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).			
Submitted By GreenPort User	SENSSM	Submitted By Full Name	Mary Ellen Senss
Email Address	maryellen.senss@phila.gov	Document Generated	9/27/2016

PERMIT

SWWPCP - AUGUST 2016

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			
su	07/31/2016	168	104	2	98	2,802		82	2	97.57		2,802		
M	08/01/2016	149	163	3	98	3,728		92	3	96.75		3,728		10
T	08/02/2016	138	122	2	98	2,302		107	2	98.13		2,302		
W	08/03/2016	138	175	3	98	3,453		83	3	96.40		3,453		11
Th	08/04/2016	137	166	5	97	5,713		100	5	95.01		5,713		
F	08/05/2016	138	165	3	98	3,453		105	3	97.14		3,453		
S	08/06/2016	133	207	5	98	5,546		117	5	95.73		5,546		
Su	08/07/2016	133	150	3	98	3,328		103	3	97.10		3,328		
M	08/08/2016	137	175	4	98	4,570		102	4	96.08		4,570		13
T	08/09/2016	141	132	3	98	3,528		107	3	97.19		3,528		
W	08/10/2016	140	184	3	98	3,503		102	3	97.07		3,503		19
Th	08/11/2016	156	191	4	98	5,204		101	4	96.03		5,204		
F	08/12/2016	142	203	4	98	4,737		86	4	95.36		4,737		
S	08/13/2016	139	131	4	97	4,637		83	4	95.19		4,637		
Su	08/14/2016	138	146	7	95	8,056		107	7	93.45		8,056		
M	08/15/2016	137	135	3	98	3,428		104	3	97.11		3,428		12
T	08/16/2016	152	235	4	98	5,071		85	4	95.29		5,071		
W	08/17/2016	167	159	4	97	5,571		91	4	95.60		5,571		14
Th	08/18/2016	158	153	5	97	6,589		93	5	94.63		6,589		
F	08/19/2016	143	182	4	98	4,770		88	4	95.43		4,770		
S	08/20/2016	135	178	4	98	4,504		90	4	95.55		4,504		
Su	08/21/2016	187	216	5	98	7,798		87	5	94.23		7,798		
M	08/22/2016	137	129	4	97	4,570		75	4	94.64		4,570		12
T	08/23/2016	138	164	4	98	4,604		93	4	95.68		4,604		
W	08/24/2016	135	158	3	98	3,378		90	3	96.68		3,378		14
Th	08/25/2016	143	196	6	97	7,156		101	6	94.06		7,156		
F	08/26/2016	131	162	8	95	8,740		114	8	92.98		8,740		
S	08/27/2016	136	164	5	97	5,671		108	5	95.37		5,671		
Su	08/28/2016	129	169	7	96	7,531		92	7	92.39		7,531		
M	08/29/2016	140	182	9	95	10,508		110	9	91.85		10,508		17
T	08/30/2016	132	169	6	96	6,605		102	6	94.10		6,605		
W	08/31/2016	144	219	6	97	7,206		118	6	94.93		7,206		13
TOTAL	4,259	5,061	134					2,918	134					
AVERAGE	142	169	4	97		5,275		97	4	95.41		5,337		14

Wk1	143	158	3		3,857	98	3		3,857
Wk2	141	167	4		4,215	98	4		4,215
Wk3	147	169	4		5,427	94	4		5,427
Wk4	144	170	5		5,988	95	5		5,988

MAX	187
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CBOD 20 LBS----	16,027
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060
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<25	>89.25	<19,800
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<40	<29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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
SWWPCP - AUGUST 2016
GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
M	08/01/2016	149		7.1		4.3		0.24	43
T	08/02/2016	138		6.9		3.9		0.13	60
W	08/03/2016	138		7.0		3.7		0.16	219
Th	08/04/2016	137		7.0		3.4		0.11	45
F	08/05/2016	138		6.9		4.1		0.11	46
S	08/06/2016	133		7.0		4.9		0.06	20
Su	08/07/2016	133		7.0		5.3		0.07	11
M	08/08/2016	137		6.9		5.2		0.08	9
T	08/09/2016	141		6.9		3.4		0.09	36
W	08/10/2016	140		7.0		3.7		0.07	79
Th	08/11/2016	156		7.0		4.0		0.11	15
F	08/12/2016	142		7.0		4.3		0.13	5
S	08/13/2016	139		6.9		4.0		0.12	16
Su	08/14/2016	138		7.0		4.1		0.20	11
M	08/15/2016	137		7.0		4.0		0.23	63
T	08/16/2016	152		7.0		3.8		0.12	244
W	08/17/2016	167		7.0		3.5		0.11	276
Th	08/18/2016	158		7.0		3.8		0.29	86
F	08/19/2016	143		7.0		3.4		0.06	57
S	08/20/2016	135		7.0		3.7		0.06	66
Su	08/21/2016	187		7.0		4.7		0.05	32
M	08/22/2016	137		7.0		4.9		0.13	50
T	08/23/2016	138		7.0		5.4		0.07	21
W	08/24/2016	135		7.0		3.6		0.15	85
Th	08/25/2016	143		7.0		3.9		0.07	8
F	08/26/2016	131		7.0		4.4		0.09	44
Su	08/27/2016	136		7.1		4.4		0.20	49
M	08/28/2016	129		7.0		4.3		0.18	162
T	08/29/2016	140		7.0		4.3		0.20	240
W	08/30/2016	132		7.1		4.1		0.20	579
W	08/31/2016	144		7.0		3.8		0.13	142
Total Avg		4,403 142	MIN 6.9	MAX 7.1	MIN 3.4	AVG 4.1	AVG 0.13	MAX 0.29	MEAN 48

Wk1 143
Wk2 141
Wk3 147
Wk4 144

NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT SWWPCP - AUGUST 2016

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
08/01/2016	19	117	184	160	163	150	84	92
08/02/2016	17	108	168	116	122	162	99	107
08/03/2016	18	110	196	172	175	126	77	83
08/04/2016	18	109	204	160	166	135	95	100
08/05/2016	18	108	172	164	165	152	98	105
08/06/2016	17	105	228	204	207	173	109	117
08/07/2016	17	105	160	148	150	147	97	103
08/08/2016	17	108	200	172	175	144	96	102
08/09/2016	18	110	160	128	132	146	101	107
08/10/2016	17	110	180	184	184	135	98	102
08/11/2016	19	124	212	188	191	156	93	101
08/12/2016	18	111	224	200	203	156	76	86
08/13/2016	17	109	184	124	131	156	73	83
08/14/2016	17	109	128	148	146	184	96	107
08/15/2016	17	108	184	128	135	153	97	104
08/16/2016	18	119	136	248	235	114	81	85
08/17/2016	19	135	180	156	159	161	82	91
08/18/2016	18	127	220	144	153	180	82	93
08/19/2016	18	112	224	176	182	161	77	88
08/20/2016	17	106	216	172	178	165	79	90
08/21/2016	21	148	216	216	216	147	79	87
08/22/2016	18	109	188	120	129	132	66	75
08/23/2016	18	107	192	160	164	144	85	93
08/24/2016	19	105	220	148	158	147	81	90
08/25/2016	20	110	220	192	196	162	91	101
08/26/2016	19	102	176	160	162	190	101	114
08/27/2016	19	105	188	160	164	158	100	108
08/28/2016	19	99	200	164	169	167	79	92
08/29/2016	20	109	220	176	182	155	103	110
08/30/2016	19	102	176	168	169	147	94	102
08/31/2016	19	113	160	228	219	167	111	118
AVG	18	112	191	167	170	154	90	98

PERMIT

SWWPCP - AUGUST 2016

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
08/01/2016	89	164	99	12	88%
08/02/2016		192			
08/03/2016	110	183	120	12	90%
08/04/2016		179			
08/05/2016		184			
08/06/2016		183			
08/07/2016		157			
08/08/2016	107	179	116	12	90%
08/09/2016		167			
08/10/2016	127	168	132	14	89%
08/11/2016		168			
08/12/2016		170			
08/13/2016		168			
08/14/2016		200			
08/15/2016	107	167	114	13	89%
08/16/2016		141			
08/17/2016	94	192	105	13	88%
08/18/2016		194			
08/19/2016		176			
08/20/2016		183			
08/21/2016		162			
08/22/2016	82	151	91	6	93%
08/23/2016		174			
08/24/2016	125	188	134	12	91%
08/25/2016		173			
08/26/2016		202			
08/27/2016		170			
08/28/2016		179			
08/29/2016	113	175	122	13	89%
08/30/2016		194			
08/31/2016	NM	179	NM	NM	ND
AVG	106	176	115	12	90%

DESIGN - 200 MGD

DATE	SWWPCP - AUGUST 2016					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
08/01/2016	19	117	13	149	176	T
08/02/2016	17	108	13	138	166	
08/03/2016	18	110	10	138	163	
08/04/2016	18	109	10	137	163	
08/05/2016	18	108	12	138	157	
08/06/2016	17	105	11	133	166	0.31
08/07/2016	17	105	11	133	162	
08/08/2016	17	108	12	137	156	
08/09/2016	18	110	13	141	164	
08/10/2016	17	110	13	140	171	
08/11/2016	19	124	13	156	319	0.03
08/12/2016	18	111	13	142	169	
08/13/2016	17	109	13	139	164	
08/14/2016	17	109	12	138	162	
08/15/2016	17	108	12	137	165	
08/16/2016	18	119	15	152	293	0.57
08/17/2016	19	135	13	167	257	
08/18/2016	18	127	13	158	276	
08/19/2016	18	112	13	143	171	
08/20/2016	17	106	12	135	161	
08/21/2016	21	148	18	187	407	0.60
08/22/2016	18	109	10	137	158	
08/23/2016	18	107	13	138	153	
08/24/2016	19	105	11	135	163	
08/25/2016	20	110	13	143	166	
08/26/2016	19	102	10	131	159	T
08/27/2016	19	105	12	136	160	
08/28/2016	19	99	11	129	162	
08/29/2016	20	109	11	140	158	
08/30/2016	19	102	11	132	163	
08/31/2016	19	113	12	144	188	T
TOTAL	565	3,459	379	4,403		1.70
AVG	18	112	12	142		
			MIN	129	153	
			MAX	187	407	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF AUGUST 2016

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
08/03/2016	1.140	2.150	20.40	20.70	0.202
08/10/2016	1.410	2.000	19.40	20.30	0.232
08/17/2016	1.290	2.150	19.40	22.50	0.183
08/24/2016	1.380	2.490	16.90	17.80	0.210
08/31/2016	0.310	0.725	24.70	28.30	0.396
 AVG	1.106	< 1.903	20.16	21.92	0.245
MAX	1.410	2.490	24.70	28.30	0.396

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
08/03/2016		< 0.010	
08/04/2016	< 0.010		< 0.040

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	08/03/2016
Copper	0.0070
Iron	0.0100
Iron Dissolved	0.0100
Lead	< 0.0030
Nickel	0.0030
Selenium	< 0.0030
Zinc	< 0.0250

Organics Data (mg/L)

Southwest WPCP - Outfall

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

File Name: 201608SL
 Print Date: 09/23/2016

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP		
AUGUST 2016	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	Biosolids Recycle Center / Synagro			Biosolids Recycle Center / Synagro		
	From NEWPCP MGD	MGD		From SWWPCP 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
TOTAL	20.704	20.497	2,248	29.732	29.516	3,405
AVERAGE	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

SW Daily Composite

Report Date: 09/21/2016

WW160831-018

Composite 08/31/2016 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
BOD5	SM5210B					NM	mg/L		mg/L

Data Qualifiers:

BOD5	LAB ERROR
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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 Southwest 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 : 32171

Submission Status : Received

Facility Name : PHILA WATER DEPT - SOUTHWEST WPC PLANT

Permit Number : PA0026671

Report Type : Monthly

Monitoring Report Period : 09/01/2016-09/30/2016

Monitoring Report Due Date : 10/28/2016

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for September 2016

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET
 MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

PERMIT

SWWPCP - SEPTEMBER 2016

COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	Suspended Solids eff (mg/l)	SS% REM	SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
------	---------------	---------------	--------------------------------	------------	-------------	-----	-------	---------------	---------------	-------------------------	----------------	-----	-------	----------------------

Th	09/01/2016	157	170	5	97	6,547		120	6	94.99		7,856		
F	09/02/2016	139	204	5	98	5,796		111	5	95.51		5,796		
S	09/03/2016	131	209	4	98	4,370		87	3	96.55		3,278		
Su	09/04/2016	131	166	3	98	3,278		93	4	95.69		4,370		
M	09/05/2016	141	142	4	97	4,704		93	5	94.64		5,880		11
T	09/06/2016	135	189	5	97	5,630		118	6	94.90		6,755		
W	09/07/2016	132	226	5	98	5,504		123	8	93.47		8,807		15
Th	09/08/2016	138	196	4	98	4,604		118	8	93.25		9,207		
F	09/09/2016	137	135	7	95	7,998		90	6	93.33		6,855		
S	09/10/2016	138	145	5	97	5,755		120	6	95.00		6,906		
Su	09/11/2016	136	149	6	96	6,805		98	6	93.87		6,805		
M	09/12/2016	133	219	6	97	6,655		101	8	92.07		8,874		9
T	09/13/2016	131	281	6	98	6,555		118	6	94.91		6,555		
W	09/14/2016	132	174	4	98	4,404		108	5	95.38		5,504		8
Th	09/15/2016	132	174	5	97	5,504		95	4	95.80		4,404		
F	09/16/2016	130	192	7	96	7,589		107	4	96.27		4,337		
S	09/17/2016	129	190	4	98	4,303		108	3	97.22		3,228		
Su	09/18/2016	129	128	5	96	5,379		113	5	95.58		5,379		
M	09/19/2016	215	172	9	95	16,138		84	8	90.49		14,345		17
T	09/20/2016	140	198	7	96	8,173		92	4	95.64		4,670		
W	09/21/2016	139	205	4	98	4,637		93	5	94.62		5,796		12
Th	09/22/2016	137	111	4	96	4,570		87	4	95.40		4,570		
F	09/23/2016	136	187	4	98	4,537		106	5	95.30		5,671		
S	09/24/2016	132	118	4	97	4,404		100	6	94.01		6,605		
Su	09/25/2016	130	169	4	98	4,337		117	5	95.72		5,421		
M	09/26/2016	136	170	1	99	1,134		131	4	96.94		4,537		13
T	09/27/2016	141	256	4	98	4,704		114	4	96.50		4,704		
M	09/28/2016	145	172	3	98	3,628		95	3	96.83		3,628		9
Th	09/29/2016	264	242	8	97	17,614		104	4	96.15		8,807		
F	09/30/2016	231	153	5	97	9,633		80	4	95.00		7,706		
S	10/01/2016	145	130	3	98	3,615		89	3	96.63		3,615		

TOTAL	4,377	5,443	147					3,123	154					
AVERAGE	146	181	5	97		6,163		104	5	95.03		6,157		12

Wk1	136	171	5			5,353		108	6			6,969		
Wk2	132	197	5			5,974		105	5			5,672		
Wk3	147	160	5			6,834		96	5			6,720		
Wk4	170	185	4			6,381		104	4			5,488		

MAX	264
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CBOD 20 LBS----	14,834
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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
SWWPCP - SEPTEMBER 2016
GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
Th	09/01/2016	157		7.0		3.7		0.13	54
F	09/02/2016	139		7.0		3.7		0.08	219
S	09/03/2016	131		7.0		3.2		0.07	39
Su	09/04/2016	131		7.0		5.0		0.10	31
M	09/05/2016	141		7.0		4.8		0.13	15
T	09/06/2016	135		7.0		4.8		0.10	62
W	09/07/2016	132		7.0		5.3		0.05	55
Th	09/08/2016	138		7.0		3.3		0.06	144
F	09/09/2016	137		7.0		3.6		0.10	461
S	09/10/2016	138		7.1		4.2		0.12	29
Su	09/11/2016	136		7.0		4.1		0.14	15
M	09/12/2016	133		7.0		4.3		0.10	21
T	09/13/2016	131		7.0		4.3		0.17	6
W	09/14/2016	132		7.0		4.3		0.18	17
Th	09/15/2016	132		7.1		4.4		0.13	28
F	09/16/2016	130		7.0		3.9		0.15	74
S	09/17/2016	129		7.0		4.5		0.17	17
Su	09/18/2016	129		7.0		4.1		0.15	29
M	09/19/2016	215		7.0		4.1		0.12	63
T	09/20/2016	140		7.1		5.2		0.13	23
W	09/21/2016	139		7.0		5.6		0.11	27
Th	09/22/2016	137		7.0		5.2		0.12	11
F	09/23/2016	136		7.0		3.7		0.14	10
S	09/24/2016	132		7.0		3.9		0.15	9
Su	09/25/2016	130		7.0		3.9		0.13	19
M	09/26/2016	136		7.0		4.0		0.20	10
T	09/27/2016	141		6.9		3.6		0.21	34
M	09/28/2016	145		7.0		4.2		0.18	24
Th	09/29/2016	264		6.9		2.8		0.18	130
F	09/30/2016	231		7.0		5.8		0.36	32
Total Avg		4,377 146	MIN 6.9	MAX 7.1	MIN 2.8	AVG 4.3	AVG 0.14	MAX 0.36	MEAN 32

Wk1 136
Wk2 132
Wk3 147
Wk4 170

NPDES/
LIMIT EFFLUENT
 MIN MAX
 6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - SEPTEMBER 2016

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
09/01/2016	20	122	180	168	170	172	112	120
09/02/2016	19	108	228	200	204	195	98	111
09/03/2016	18	102	216	208	209	137	79	87
09/04/2016	18	101	204	160	166	117	89	93
09/05/2016	20	108	228	128	142	155	83	93
09/06/2016	18	105	220	184	189	180	108	118
09/07/2016	17	103	212	228	226	187	113	123
09/08/2016	18	108	224	192	196	188	108	118
09/09/2016	17	108	188	128	135	132	84	90
09/10/2016	18	109	176	140	145	147	116	120
09/11/2016	18	106	208	140	149	163	88	98
09/12/2016	17	107	212	220	219	161	92	101
09/13/2016	17	104	208	292	281	171	110	118
09/14/2016	17	104	184	172	174	171	99	108
09/15/2016	17	104	216	168	174	138	89	95
09/16/2016	17	102	164	196	192	141	102	107
09/17/2016	17	101	180	192	190	135	104	108
09/18/2016	18	101	228	112	128	175	103	113
09/19/2016	26	170	204	168	172	136	77	84
09/20/2016	18	112	212	196	198	144	84	92
09/21/2016	17	111	216	204	205	135	87	93
09/22/2016	18	108	184	100	111	120	82	87
09/23/2016	19	105	204	184	187	170	96	106
09/24/2016	18	102	208	104	118	164	90	100
09/25/2016	19	100	196	164	169	209	101	117
09/26/2016	18	106	184	168	170	187	122	131
09/27/2016	19	112	208	264	256	155	108	114
09/28/2016	19	114	224	164	172	132	89	95
09/29/2016	29	212	260	240	242	144	99	104
09/30/2016	31	183	184	148	153	138	71	80
AVG	19	115	205	178	181	157	96	104

PERMIT

SWWPCP - SEPTEMBER 2016

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
09/01/2016		186			
09/02/2016		209			
09/03/2016		163			
09/04/2016		161			
09/05/2016	101	181	112	11	90%
09/06/2016		194			
09/07/2016	120	203	131	17	87%
09/08/2016		200			
09/09/2016		147			
09/10/2016		165			
09/11/2016		194			
09/12/2016	120	203	131	16	88%
09/13/2016		181			
09/14/2016	132	203	141	16	89%
09/15/2016		174			
09/16/2016		192			
09/17/2016		153			
09/18/2016		192			
09/19/2016	84	144	91	21	77%
09/20/2016		167			
09/21/2016	114	168	121	14	88%
09/22/2016		168			
09/23/2016		200			
09/24/2016		195			
09/25/2016		222			
09/26/2016	135	200	144	13	91%
09/27/2016		207			
09/28/2016	100	195	112	5	96%
09/29/2016		153			
09/30/2016		149			
AVG	113	182	123	14	88%

DESIGN - 200 MGD

DATE	SWWPCP - SEPTEMBER 2016					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
09/01/2016	20	122	15	157	247	0.47 T
09/02/2016	19	108	12	139	159	
09/03/2016	18	102	11	131	170	
09/04/2016	18	101	12	131	159	
09/05/2016	20	108	13	141	167	
09/06/2016	18	105	12	135	161	
09/07/2016	17	103	12	132	160	
09/08/2016	18	108	12	138	164	
09/09/2016	17	108	12	137	162	
09/10/2016	18	109	11	138	175	
09/11/2016	18	106	12	136	172	
09/12/2016	17	107	9	133	164	
09/13/2016	17	104	10	131	171	
09/14/2016	17	104	11	132	155	
09/15/2016	17	104	11	132	157	1.29 T
09/16/2016	17	102	11	130	151	
09/17/2016	17	101	11	129	159	
09/18/2016	18	101	10	129	164	
09/19/2016	26	170	19	215	409	
09/20/2016	18	112	10	140	165	
09/21/2016	17	111	11	139	164	
09/22/2016	18	108	11	137	167	
09/23/2016	19	105	12	136	165	
09/24/2016	18	102	12	132	161	
09/25/2016	19	100	11	130	166	
09/26/2016	18	106	12	136	190	
09/27/2016	19	112	10	141	167	0.12 0.09 0.78 0.77
09/28/2016	19	114	12	145	278	
09/29/2016	29	212	23	264	426	
09/30/2016	31	183	17	231	418	
TOTAL	572	3,438	367	4,377		3.52
AVG	19	115	12	146		
			MIN	129	151	
			MAX	264	426	

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION					
Facility:	PHILA WATER DEPT - SOUTHWEST WPC PLANT	Permit Number:	PA0026671	Region:	EP SE Rgnl Off Norristown
Permitte:	PHILA WATER DEPT	County:	Philadelphia	Monitoring Period:	10/01/2016 - 10/31/2016
Address:	8200 ENTERPRISE AVE, PHILADELPHIA, PA - 19153				

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	50400 Avg Mo	75060 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	Grab
Chloroform	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Phenolics, Total	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Copper, Total	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Iron, Dissolved	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Lead, Total	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Nickel, Total	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Zinc, Total	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Selenium, Total	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
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	Grab
Cyanide, Free	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/month	24-Hr Composite
Tetrachloroethylene	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
Trichloroethylene	Sample Measurement	***	***		***		***	mg/L		

	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/month	Grab
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	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		1/day	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C	Sample Measurement		***	lbs/day	***	***	***			
	Permit Measurement	35830 Avg Mo	***		***	***	***		2/week	24-Hr Composite
Facility Comments										
Sampling Point		001		Stage Code		Percent Removal	No Discharge Indicator			
Parameter	Limit Type	Load 1	Load 2	Units	Conc 1	Conc 2	Conc 3	Units	Frequency Of Analysis	Sample Type
CBOD5 Minimum % Removal	Sample Measurement	***	***			***	***	%		
	Permit Measurement	***	***		89.25	***	***		1/day	24-Hr Composite
Total Suspended Solids Minimum % Removal	Sample Measurement	***	***			***	***	%		
	Permit Measurement	***	***		85	***	***		1/day	24-Hr Composite
Facility Comments										
Sampling Point		101		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
pH	Sample Measurement	***	***			***		S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Daily when Discharging	Grab
Flow	Sample Measurement		***	MGD	***	***	***			
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		1/discharge	Estimate
Fecal Coliform	Sample Measurement	***	***		***	***		CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Daily when Discharging	Grab
Duration of Discharge	Sample Measurement		***	minutes	***	***	***			
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		1/discharge	Estimate
Facility Comments										

File Name: 201609SL
 Print Date: 10/25/2016

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP SEPTEMBER 2016 MGD MGD DT				PA 0026671 SWWPCP Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP MGD MGD DT		
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
TOTAL	20.697	21.009	2,249	30.076	30.174	3,362
AVERAGE	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

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 ^{B,D}	EPA 335.4	9/17/2016	21:25	9/19/2016	14:50	<0.010 ^E	mg/L	0.010	mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 3%. Acceptance limits are 90 to 110%.
---------------	-------------------------------------------------------------------------------------

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 ^{B,D}	EPA 335.4	9/17/2016	21:25	9/19/2016	14:51	<0.010 ^E	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 ^{B,D}	EPA 335.4	9/17/2016	21:25	9/19/2016	14:44	<0.010 ^E	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 ^{B,D}	EPA 335.4	9/17/2016	21:25	9/19/2016	14:46	<0.010 ^E	mg/L	0.010	mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 3%. Acceptance limits are 90 to 110%.
---------------	-------------------------------------------------------------------------------------

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 ^{B,D}	EPA 335.4	9/17/2016	21:25	9/19/2016	14:45	<0.010 ^E	mg/L	0.010	mg/L

Data Qualifiers:

Cyanide Total	Laboratory Fortified Matrix (LFM) recovery is 3%. Acceptance limits are 90 to 110%.
---------------	-------------------------------------------------------------------------------------

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 ^{B,D}	EPA 335.4	9/17/2016	21:25	9/19/2016	14:52	<0.010 ^E	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 ^{B,D}	EPA 335.4	9/17/2016	21:25	9/19/2016	14:53	<0.010 ^E	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 ^{B,D}	EPA 335.4	9/17/2016	21:25	9/19/2016	14:37	<0.010 ^E	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 ^{B,D}	EPA 335.4	9/17/2016	21:25	9/19/2016	14:43	<0.010 ^E	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 ^{B,D}	EPA 335.4	9/17/2016	21:25	9/19/2016	14:40	<0.010 ^E	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 ^{8,D}	EPA 335.4	9/17/2016	21:25	9/19/2016	14:41	<0.010 ^E	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

WW NPDES Weekly - SW

Report Date: 10/24/2016

WW160928-027

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	18.9	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



Debra A. McCarty, Water Commissioner

July 28, 2016

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Southwest 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 : 32173

Submission Status : Received

Facility Name : PHILA WATER DEPT - SOUTHWEST WPC PLANT

Permit Number : PA0026671

Report Type : Quarterly

Monitoring Report Period : 07/01/2016-09/30/2016

Monitoring Report Due Date : 10/28/2016

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF SEPTEMBER 2016

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N		NO3 - N		NH3 - N		TKN		P
09/07/2016	0.607	<	0.750		22.20		25.00		0.527
09/12/2016	1.560	<	0.250		22.30		22.80		0.292
09/14/2016	1.840	<	0.250		19.10		20.60		0.212
09/16/2016	1.980	<	0.250		23.80		25.30		0.364
09/21/2016	1.530		0.441		20.50		23.60		0.251
09/28/2016	1.360		0.387		18.90		21.00		0.301
AVG	1.480	<	0.388		21.13		23.05		0.325
MAX	1.980	<	0.750		23.80		25.30		0.527

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Total Cyanide		Free Cyanide		Phenolics	
09/07/2016	<	0.010				
09/12/2016			<	0.010	<	0.040
09/14/2016			<	0.010	<	0.040
09/16/2016			<	0.010	<	0.040
AVG	<	0.010	<	0.010	<	0.040

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	09/12/2016		09/14/16		09/16/16		AVG	
Copper	0.0060	<	0.0050		0.0060		0.0057	
Iron Total	0.4340		0.3440		0.2910		0.3563	
Iron Dissolved	0.1250		0.1070		0.0940		0.1087	
Lead	<	0.0030	<	0.0030	<	0.0030	<	0.0030
Nickel		0.0040		0.0060		0.0050		0.0050
Selenium	<	0.0030	<	0.0030	<	0.0030	<	0.0030
Zinc	<	0.0250	<	0.0250	<	0.0250	<	0.0250

Organics Data (mg/L)

Southwest WPCP - Outfall

		9/11/2016		9/12/2016		9/13/2016		9/14/2016		9/15/2016		9/16/2016		AVG
1,2-Dichloroethane	<	0.0010	<	0.0010	<	0.0010	<	0.0010	<	0.0010		0.0010	<	0.0010
alpha-Endosulfan				0.0000100				0.0001000				0.0000200		0.0000433
Benzidine			<	0.0560			<	0.0580			<	0.0560	<	0.0567
beta-BHC				0.0000150			<	0.0000110			<	0.0000083	<	0.0000114
Chlordane			<	0.0004100			<	0.0004000			<	0.0004200	<	0.0004100
Chloroform	<	0.0025				0.0025			<	0.0025			<	0.0025
Dieldrin			<	0.0000160			<	0.0000160			<	0.0000170	<	0.0000163
Heptachlor			<	0.0000081			<	0.0000081			<	0.0000083	<	0.0000082
Lindane (Gamma-BHC)			<	0.0000081			<	0.0000081			<	0.0000083	<	0.0000082
p,p'-DDD			<	0.0000160			<	0.0000160			<	0.0000170	<	0.0000163
p,p'-DDE			<	0.0000160			<	0.0000160			<	0.0000170	<	0.0000163
p,p'-DDT			<	0.0000160			<	0.0000160			<	0.0000170	<	0.0000163
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

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF SEPTEMBER 2016

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

9/16/2016

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic		2
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic		2

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DISCHARGE MONITORING REPORT (DMR)

HEADER INFORMATION					
Facility:	PHILA WATER DEPT - SOUTHWEST WPC PLANT	Permit Number:	PA0026671	Region:	EP SE Rgnl Off Norristown
Permitte:	PHILA WATER DEPT	County:	Philadelphia	Monitoring Period:	10/01/2016 - 12/31/2016
Address:	8200 ENTERPRISE AVE, PHILADELPHIA, PA - 19153				

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
alpha-Endosulfan	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	24-Hr Composite
beta-BHC	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
gamma-BHC (Lindane)	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Dieldrin	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Heptachlor	Sample Measurement	***	***		***		***	mg/L		
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Toxicity, Chronic - Pimephales Survival	Sample Measurement	***	***		***	***		TUc		
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Facility Comments										

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

SW WET Testing Composite

Report Date: 10/24/2016

WW160912-025

Composite 24h 09/12/2016 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-Dimethylphenol ^{B,D}	EPA 625	9/15/2016	9:00	9/17/2016	2:27	<5 ^E	µg/L	5	µg/L
2-Nitrophenol ^{B,D}	EPA 625	9/15/2016	9:00	9/17/2016	2:27	<5 ^E	µg/L	5	µg/L
4,6-Dinitro-o-cresol ^{B,D}	EPA 625	9/15/2016	9:00	9/17/2016	2:27	<14 ^E	µg/L	14	µg/L
4-Chlorophenyl phenyl ether ^{B,D}	EPA 625	9/15/2016	9:00	9/17/2016	2:27	<5 ^E	µg/L	5	µg/L
Aroclor 1016 ^{B,D}	EPA 608	9/15/2016	22:00	9/19/2016	5:23	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1221 ^{B,D}	EPA 608	9/15/2016	22:00	9/19/2016	5:23	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1232 ^{B,D}	EPA 608	9/15/2016	22:00	9/19/2016	5:23	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1242 ^{B,D}	EPA 608	9/15/2016	22:00	9/19/2016	5:23	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1248 ^{B,D}	EPA 608	9/15/2016	22:00	9/19/2016	5:23	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1254 ^{B,D}	EPA 608	9/15/2016	22:00	9/19/2016	5:23	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1260 ^{B,D}	EPA 608	9/15/2016	22:00	9/19/2016	5:23	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1262 ^{B,D}	NA			1/1/2000	0:00	NM ^E	µg/L	NA	µg/L
Aroclor 1268 ^{B,D}	NA			1/1/2000	0:00	NM ^E	µg/L	NA	µg/L
CBOD5	SM 5210 B	9/12/2016	13:25	9/17/2016	9:20	<2.00	mg/L	2	mg/L
Endrin ^{B,D}	EPA 608	9/15/2016	22:00	9/24/2016	8:15	<0.016 ^E	µg/L	0.016	µg/L
Fluorene ^{B,D}	EPA 625	9/15/2016	9:00	9/17/2016	2:27	<5 ^E	µg/L	5	µg/L
Isophorone ^{B,D}	EPA 625	9/15/2016	9:00	9/17/2016	2:27	<5 ^E	µg/L	5	µg/L
Mercury ^{B,D}	EPA 245.1	9/21/2016	7:41	9/22/2016	7:41	<0.00020 ^E	mg/L	0.00020	mg/L
Nitrite	EPA 300.0 rev 2.1			9/14/2016	0:03	1.56	mg/L as N	0.050	mg/L as N
Nitrobenzene ^{B,D}	EPA 625	9/15/2016	9:00	9/17/2016	2:27	<5 ^E	µg/L	5	µg/L
PCBs Total ^{B,D}	EPA 608	9/15/2016	22:00	9/19/2016	5:23	<0.41 ^E	µg/L	0.41	µg/L

Data Qualifiers:

2,4-Dimethylphenol	The recovery of the LCS is 71%, 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 58% and the duplicate is 70%. Acceptance limits are 72-110%
2-Nitrophenol	Laboratory Fortified Matrix (LFM) recovery is 76%. Acceptance limits are 83-109%.
4,6-Dinitro-o-cresol	The recovery of the LCS is 72%, 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.
4-Chlorophenyl phenyl ether	Laboratory Fortified Matrix (LFM) recovery is 71%. Acceptance limits are 76-115%
Aroclor 1016	The recovery of the LCSD is 16%, which is outside the acceptance limits of 60-117%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 142%. The maximum acceptable RPD is 30%. The measured results were 96 and 16 ug/L. The recovery of one of the surrogates, Tetrachloro-m-xylene, is 14% in the LCSD, which is outside the acceptance limits of 33-127%. 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 1221	The recovery of one of the surrogates, Tetrachloro-m-xylene, is 14% in the LCSD, which is outside the acceptance limits of 33-127%. 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 1232	The recovery of one of the surrogates, Tetrachloro-m-xylene, is 14% in the LCSD, which is outside the acceptance limits of 33-127%. 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 1242	The recovery of one of the surrogates, Tetrachloro-m-xylene, is 14% in the LCSD, which is outside the acceptance limits of 33-127%. 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 1248	The recovery of one of the surrogates, Tetrachloro-m-xylene, is 14% in the LCSD, which is outside the acceptance limits of 33-127%. 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 1254	The recovery of one of the surrogates, Tetrachloro-m-xylene, is 14% in the LCSD, which is outside the acceptance limits of 33-127%. 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 1260	The recovery of the LCSD is 25%, which is outside the acceptance limits of 57-134%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 118%. The maximum acceptable RPD is 30%. The measured results were 98 and 25 ug/L. The recovery of one of the surrogates, Tetrachloro-m-xylene, is 14% in the LCSD, which is outside the acceptance limits of 33-127%. 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.
CBOD5	The GGA check is 135.5 mg/L. Acceptance limits are 168 to 229 mg/L.
Endrin	The Relative Percent Difference (RPD) between the sample and sample duplicate is 31%. The maximum acceptable RPD is 30%. The measured results were 63 and 86 ug/L.
Fluorene	Laboratory Fortified Matrix (LFM) recovery is 73%. Acceptance limits are 80-116%.
Isophorone	Laboratory Fortified Matrix (LFM) recovery is 74%. Acceptance limits are 78-120%.
Mercury	The RPD between the background concentration and duplicate concentration is 200. This is from the result for one or both determinations was less than five times the LOQ. The allowable max is 20.

Nitrite	Laboratory Fortified Matrix (LFM) recovery is 88%. Acceptance limits are 90-110%.
Nitrobenzene	Laboratory Fortified Matrix (LFM) recovery is 72%. Acceptance limits are 73-113%.
PCBs Total	The recovery of one of the surrogates, Tetrachloro-m-xylene, is 14% in the LCSD, which is outside the acceptance limits of 33-127%. 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.

WW160914-027

Composite 24h 09/14/2016 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
2,4-Dimethylphenol ^{B,D}	EPA 625	9/20/2016	17:00	9/21/2016	20:02	<5 ^E	µg/L	5	µg/L
2-Chloronaphthalene ^{B,D}	EPA 625	9/20/2016	17:00	9/21/2016	20:02	<5 ^E	µg/L	5	µg/L
Aroclor 1262 ^{B,D}	NA			1/1/2000	0:00	NM ^E	µg/L	NA	µg/L
Aroclor 1268 ^{B,D}	NA			1/1/2000	0:00	NM ^E	µg/L	NA	µg/L
CBOD5	SM 5210 B	9/14/2016	13:25	9/19/2016	11:05	<2	mg/L	2	mg/L
Endrin ^{B,D}	EPA 608	9/15/2016	22:00	9/24/2016	8:56	<0.016 ^E	µg/L	0.016	µg/L
Hexachlorocyclopentadiene ^{B,D}	EPA 625	9/20/2016	17:00	9/21/2016	20:02	<15 ^E	µg/L	15	µg/L
Phenols ^{B,D}	EPA 420.4			9/20/2016	12:15	<0.030 ^E	mg/L	0.030	mg/L

Data Qualifiers:

2,4-Dimethylphenol	The recovery of the LCS is 71%, 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.
2-Chloronaphthalene	The recovery of the LCS is 133%, which is outside the acceptance limits of 60-118%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 49%. The maximum acceptable RPD is 30%.
Aroclor 1262	This analyte was not requested for analysis.
Aroclor 1268	This analyte was not requested for analysis.
CBOD5	The GGA check is 149 mg/L. Acceptance limits are 168 to 229 mg/L.
Endrin	The Relative Percent Difference (RPD) between the sample and sample duplicate is 31%. The maximum acceptable RPD is 30%. The measured results were 63 and 86 µg/L.
Hexachlorocyclopentadiene	The recovery of the LCS is 18% and the LCSD is 21%, which are outside the acceptance limits of 24-128%, but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD standards.
Phenols	Laboratory Fortified Matrix (LFM) recovery is 127%. Acceptance limits are 90 to 110%.

WW160916-024

Composite 24h 09/16/2016 06:15

Parameter	Analytical Method	Sample Preparation	Sample Preparation	Sample Analysis Date	Sample Analysis	Analysis Result	Units	Quantitation Limit	Units
1,2,4-Trichlorobenzene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
1,2-Diphenylhydrazine ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
2,4,6-Trichlorophenol ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
2,4-Dichlorophenol ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
2,4-Dimethylphenol ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
2,4-Dinitrophenol ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<38 ^E	µg/L	38	µg/L
2,4-Dinitrotoluene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
2,6-Dinitrotoluene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
2-Chloronaphthalene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
2-Chlorophenol ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
2-Nitrophenol ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
3,3'-Dichlorobenzidine ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
4,6-Dinitro-o-cresol ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<14 ^E	µg/L	14	µg/L
4-Bromophenyl phenyl ether ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
4-Chlorophenyl phenyl ether ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
4-Nitrophenol ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<14 ^E	µg/L	14	µg/L
Acenaphthene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Acenaphthylene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Anthracene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Benzidine ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<56 ^E	µg/L	56	µg/L
Benzo(a)anthracene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Benzo(a)pyrene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Benzo(b)fluoranthene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Benzo(ghi)perylene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Benzo(k)fluoranthene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
bis(2-Chloroethoxy)methane ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
bis(2-Chloroethyl) ether ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
bis(2-Chloroisopropyl) ether ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
bis(2-Ethylhexyl) phthalate ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L

Butyl benzyl phthalate ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
CBOD5	SM 5210 B	9/16/2016	13:15	9/21/2016	9:05	<2.00	mg/L	2	mg/L
Chrysene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Cyanide Free ^{B,D}	SM 4500-CN E-1999			9/26/2016	11:37	<0.010 ^E	mg/L	0.010	mg/L
Di-n-butyl phthalate ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Di-n-octyl phthalate ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Dibenzo(a,h)anthracene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Diethyl phthalate ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Dimethyl phthalate ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Fluoranthene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Fluorene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Hexachlorobenzene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Hexachlorobutadiene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Hexachlorocyclopentadiene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<14 ^E	µg/L	14	µg/L
Hexachloroethane ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Indeno(1,2,3-cd)pyrene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Isophorone ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
N-Nitrosodi-n-propylamine ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
N-Nitrosodimethylamine ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
N-Nitrosodiphenylamine ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Nitrobenzene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
p-Chloro-m-cresol ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Pentachlorophenol ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<14 ^E	µg/L	14	µg/L
Phenanthrene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Phenol ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L
Pyrene ^{B,D}	EPA 625	9/23/2016	13:00	9/27/2016	22:07	<5 ^E	µg/L	5	µg/L

Data Qualifiers:

1,2,4-Trichlorobenzene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%.
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1,2-Diphenylhydrazine	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 72%. Acceptance limits are 73-119.
2,4,6-Trichlorophenol	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 32% and the duplicate is 63%. Acceptance limits are 83-120%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 58%. The maximum acceptable RPD is 30%.
2,4-Dichlorophenol	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 27% and the duplicate is 59%. Acceptance limits are 79-114%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 70%. The maximum acceptable RPD is 30%.
2,4-Dimethylphenol	The recovery of the LCS is 67%, 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. The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 46% and the duplicate is 61%. Acceptance limits are 72-110%.
2,4-Dinitrophenol	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 0% and the duplicate is 0%. Acceptance limits are 50-128%.
2,4-Dinitrotoluene	The recovery of the LCS is 81%, which is outside the acceptance limits of 85-117%, but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC/DoD standards. The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 45% and the duplicate is 53%. Acceptance limits are 85-117%.
2,6-Dinitrotoluene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 46% and the duplicate is 58%. Acceptance limits are 80-115%.
2-Chloronaphthalene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 56%. Acceptance limits are 60-118%.
2-Chlorophenol	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 36% and the duplicate is 59%. Acceptance limits are 68-117%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 43%. The maximum acceptable RPD is 30%.

2-Nitrophenol	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 28% and the duplicate is 57%. Acceptance limits are 83-109%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 62%. The maximum acceptable RPD is 30%.
3,3'-Dichlorobenzidine	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 0% and the duplicate is 0%. Acceptance limits are 10-103%.
4,6-Dinitro-o-cresol	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 0% and the duplicate is 0%. Acceptance limits are 74-120%.
4-Bromophenyl phenyl ether	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 51% and the duplicate is 65%. Acceptance limits are 75-118%.
4-Chlorophenyl phenyl ether	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 50% and the duplicate is 65%. Acceptance limits are 76-115%.
4-Nitrophenol	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 101% and the duplicate is 0%. Acceptance limits are 10-83%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 200%. The maximum acceptable RPD is 30%.
Acenaphthene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 41% and the duplicate is 44%. Acceptance limits are 71-118%.
Acenaphthylene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 48% and the duplicate is 61%. Acceptance limits are 70-121%.
Anthracene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 46% and the duplicate is 66%. Acceptance limits are 80-114%.
Benzidine	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 0% and the duplicate is 0%. Acceptance limits are 21-107%.

Benzo(a)anthracene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 51% and the duplicate is 68%. Acceptance limits are 76-117%.
Benzo(a)pyrene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 48% and the duplicate is 68%. Acceptance limits are 76-112%.
Benzo(b)fluoranthene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 48% and the duplicate is 54%. Acceptance limits are 80-120%.
Benzo(ghi)perylene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 47% and the duplicate is 68%. Acceptance limits are 76-120%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 31%. The maximum acceptable RPD is 30%.
Benzo(k)fluoranthene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 49% and the duplicate is 66%. Acceptance limits are 75-121%.
bis(2-Chloroethoxy)methane	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 51% and the duplicate is 63%. Acceptance limits are 67-122%.
bis(2-Chloroethyl) ether	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 52% and the duplicate is 62%. Acceptance limits are 74-111%.
bis(2-Chloroisopropyl) ether	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%.
bis(2-Ethylhexyl) phthalate	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 68% and the duplicate is 76%. Acceptance limits are 77-118%.
Butyl benzyl phthalate	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 45% and the duplicate is 30%. Acceptance limits are 80-125%.
CBOD5	The GGA Check is 151.00 mg/L. Acceptance limits are 168 to 229 mg/L.

Chrysene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 52% and the duplicate is 69%. Acceptance limits are 81-118%.
Cyanide Free	Laboratory Fortified Matrix (LFM) recovery is 115%. Acceptance limits are 90 to 110%.
Di-n-butyl phthalate	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 48% and the duplicate is 64%. Acceptance limits are 77-116%.
Di-n-octyl phthalate	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 53% and the duplicate is 60%. Acceptance limits are 79-125%.
Dibenzo(a,h)anthracene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 43% and the duplicate is 70%. Acceptance limits are 77-119%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 42%. The maximum acceptable RPD is 30%.
Diethyl phthalate	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%.
Dimethyl phthalate	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%.
Fluoranthene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 48% and the duplicate is 62%. Acceptance limits are 77-111%.
Fluorene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 51% and the duplicate is 62%. Acceptance limits are 80-116%.
Hexachlorobenzene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 49% and the duplicate is 62%. Acceptance limits are 75-116%.
Hexachlorobutadiene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%.

Hexachlorocyclopentadiene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 0% and the duplicate is 0%. Acceptance limits are 24-128%.
Hexachloroethane	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%.
Indeno(1,2,3-cd)pyrene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 49% and the duplicate is 66%. Acceptance limits are 76-115%.
Isophorone	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 51% and the duplicate is 60%. Acceptance limits are 78-120%.
N-Nitrosodi-n-propylamine	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 52% and the duplicate is 69%. Acceptance limits are 78-110%.
N-Nitrosodimethylamine	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 0% and the duplicate is 0%. Acceptance limits are 29-81%.
N-Nitrosodiphenylamine	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 54% and the duplicate is 67%. Acceptance limits are 77-116%.
Nitrobenzene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%.
p-Chloro-m-cresol	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 120% and the duplicate is 8%. Acceptance limits are 72-116%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 41%. The maximum acceptable RPD is 30%.
Pentachlorophenol	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 0% and the duplicate is 0%. Acceptance limits are 57-116%.

Phenanthrene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 49% and the duplicate is 64%. Acceptance limits are 78-112%.
Phenol	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 0%. Acceptance limits are 14-69%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 200%. The maximum acceptable RPD is 30%.
Pyrene	The recoveries of some of the surrogates in the sample were outside the acceptance limits. Nitrobenzene-d5 is 47% in the MS and 59% in the MSD which is outside the acceptance limits of 60-119%. 2-Fluorobiphenyl is 51% in the MS which is outside the acceptance limits of 62-116%. Terphenyl-d14 is 36% in the MS which is outside the acceptance limits of 55-124%. Laboratory Fortified Matrix (LFM) recovery is 43%. Acceptance limits are 52-115%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 44%. The maximum acceptable RPD is 30%.

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

November 28, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Southwest 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 - SOUTHWEST WPC PLANT

Permit Number: PA0026671

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: 34839

Submission Status: Received

Submission Type: Original

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for October 2016

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

PERMIT NUMBER

001

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	TO	2016	10	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	***	***	***	2.3	4.2	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.9	***	7.0	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5129	5496	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	24.43	30.90	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	***	***	***	***	1.448	1.860	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	***	***	***	***	.592	.650	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	***	***	***	***	23.33	27.30	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	***	***	***	***	.250	.276	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
Copper, Total	Sample Measurement	***	***	***	***	.0070	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0900	***	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
Nickel, Total	Sample Measurement	***	***	***	***	.0040	***	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



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Selenium, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	142	234	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.12	.20	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement	***	***	***	***	.010	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
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	***	***	***	***	23	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4429	4980	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	11353	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	96.26	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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)

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

PERMIT NUMBER

101

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? Yes

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2016	10	01	TO	2016	10	31

FROM

TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
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
BLSSW201610.xls	Nutrient Monitoring Form	2016-11-25T09:33:12-05:00	
E-NPDES SW201610.xls	Daily Effluent Monitoring Form	2016-11-25T09:32:33-05:00	
SWCSO 201610.xls	CSO Detailed Outfall Report Form	2016-11-25T09:33:46-05:00	
201610SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-11-25T09:34:15-05:00	
SW Outfall Monthly Composite 1 and 2 (11-23-2016).pdf	Laboratory Accreditation Form	2016-11-25T09:31:16-05:00	

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. 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

PERMIT

SWWPCP - OCTOBER 2016

COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	Suspended Solids eff (mg/l)	SS% REM	SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
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S	10/01/2016	145	129	3	98	3,628		88	3	96.59		3,628		
Su	10/02/2016	140	99	2	98	2,335		98	5	94.88		5,838		
M	10/03/2016	140	134	5	96	5,838		101	4	96.02		4,670		11
T	10/04/2016	139	239	3	99	3,478		96	4	95.84		4,637		
W	10/05/2016	137	149	3	98	3,428		99	4	95.95		4,570		11
Th	10/06/2016	136	129	2	98	2,268		118	4	96.61		4,537		
F	10/07/2016	133	165	4	98	4,437		108	4	96.31		4,437		
S	10/08/2016	148	158	6	96	7,406		84	5	94.03		6,172		
Su	10/09/2016	234	102	6	94	11,709		80	3	96.26		5,855		
M	10/10/2016	140	162	5	97	5,838		98	3	96.95		3,503		9
T	10/11/2016	133	129	4	97	4,437		94	3	96.80		3,328		
W	10/12/2016	138	263	3	99	3,453		108	3	97.22		3,453		9
Th	10/13/2016	137	123	3	98	3,428		101	4	96.04		4,570		
F	10/14/2016	133	146	3	98	3,328		95	4	95.78		4,437		
S	10/15/2016	134	177	4	98	4,470		81	3	96.28		3,353		
Su	10/16/2016	135	208	5	98	5,630		85	2	97.66		2,252		
M	10/17/2016	132	140	5	96	5,504		108	3	97.21		3,303		9
T	10/18/2016	132	161	5	97	5,504		90	5	94.43		5,504		
W	10/19/2016	132	121	4	97	4,404		96	3	96.86		3,303		10
Th	10/20/2016	134	148	4	97	4,470		98	4	95.90		4,470		
F	10/21/2016	134	164	5	97	5,588		97	3	96.91		3,353		
S	10/22/2016	221	174	4	98	7,373		115	3	97.38		5,529		
Su	10/23/2016	130	157	5	97	5,421		104	2	98.07		2,168		
M	10/24/2016	130	143	3	98	3,253		118	6	94.92		6,505		13
T	10/25/2016	128	142	3	98	3,203		102	3	97.06		3,203		
M	10/26/2016	127	159	5	97	5,296		113	2	98.23		2,118		9
Th	10/27/2016	171	206	4	98	5,705		108	5	95.37		7,131		
F	10/28/2016	127	131	5	96	5,296		107	6	94.37		6,355		
S	10/29/2016	129	154	3	98	3,228		109	4	96.32		4,303		
Su	10/30/2016	155	189	11	94	14,220		104	5	95.17		6,464		
M	10/31/2016	130	173	5	97	5,421		114	4	96.48		4,337		

TOTAL	4,414	4,873	132					3,113	116					
AVERAGE	142	157	4	97		5,129		100	4	96.26		4,429		10

Wk1	139	153	4			4,170		100	4			4,980		
Wk2	150	157	4			5,238		94	3			4,071		
Wk3	146	159	5			5,496		98	3			3,959		
Wk4	135	156	4			4,486		109	4			4,541		

MAX	234
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CBOD 20 LBS----	11,353
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - OCTOBER 2016

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
S	10/01/2016	145		7.0		2.4		0.13	11
Su	10/02/2016	140		7.0		2.3		0.11	19
M	10/03/2016	140		6.9		2.4		0.12	43
T	10/04/2016	139		7.0		2.3		0.07	9
W	10/05/2016	137		7.0		5.0		0.06	13
Th	10/06/2016	136		7.0		5.3		0.08	21
F	10/07/2016	133		7.0		2.5		0.12	21
S	10/08/2016	148		6.9		3.6		0.09	50
Su	10/09/2016	234		7.0		2.9		0.16	15
M	10/10/2016	140		6.9		4.9		0.20	12
T	10/11/2016	133		7.0		4.6		0.08	21
W	10/12/2016	138		7.0		4.6		0.14	16
Th	10/13/2016	137		7.0		4.2		0.16	31
F	10/14/2016	133		7.0		4.5		0.13	75
S	10/15/2016	134		7.0		4.3		0.13	24
Su	10/16/2016	135		7.0		4.0		0.14	36
M	10/17/2016	132		7.0		3.6		0.12	71
T	10/18/2016	132		7.0		3.8		0.11	36
W	10/19/2016	132		6.9		5.3		0.11	16
Th	10/20/2016	134		6.9		5.1		0.09	128
F	10/21/2016	134		7.0		5.5		0.06	123
S	10/22/2016	221		7.0		4.8		0.07	12
Su	10/23/2016	130		7.0		5.0		0.11	20
M	10/24/2016	130		7.0		5.1		0.17	16
T	10/25/2016	128		7.0		4.8		0.12	9
M	10/26/2016	127		6.9		5.1		0.18	112
Th	10/27/2016	171		7.0		5.0		0.16	73
F	10/28/2016	127		7.0		5.0		0.09	71
S	10/29/2016	129		7.0		4.9		0.09	81
Su	10/30/2016	155		7.0		4.0		0.09	127
M	10/31/2016	130		7.0		4.5		0.14	0
Total Avg		4,414 142	MIN 6.9	MAX 7.0	MIN 2.3	AVG 4.2	AVG 0.12	MAX 0.20	MEAN 23

Wk1 139
Wk2 150
Wk3 146
Wk4 135

NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - OCTOBER 2016

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
10/01/2016	21	112	228	112	129	165	75	88
10/02/2016	20	108	168	88	99	174	85	98
10/03/2016	20	109	216	120	134	188	86	101
10/04/2016	19	110	232	240	239	160	86	96
10/05/2016	19	108	180	144	149	165	88	99
10/06/2016	19	106	184	120	129	179	108	118
10/07/2016	19	103	220	156	165	153	101	108
10/08/2016	20	116	200	152	158	165	71	84
10/09/2016	29	181	176	92	102	138	72	80
10/10/2016	20	109	248	148	162	173	86	98
10/11/2016	19	104	204	116	129	164	82	94
10/12/2016	19	108	232	268	263	158	100	108
10/13/2016	19	107	240	104	123	132	96	101
10/14/2016	18	104	208	136	146	138	88	95
10/15/2016	19	104	184	176	177	139	71	81
10/16/2016	20	103	164	216	208	162	72	85
10/17/2016	17	104	164	136	140	180	97	108
10/18/2016	17	104	192	156	161	135	83	90
10/19/2016	19	102	244	100	121	171	83	96
10/20/2016	18	105	224	136	148	147	90	98
10/21/2016	19	104	212	156	164	146	89	97
10/22/2016	20	176	236	168	174	201	106	115
10/23/2016	20	99	184	152	157	135	98	104
10/24/2016	19	100	228	128	143	183	107	118
10/25/2016	18	99	228	128	142	144	95	102
10/26/2016	18	99	224	148	159	138	109	113
10/27/2016	21	137	224	204	206	144	103	108
10/28/2016	19	98	172	124	131	167	96	107
10/29/2016	19	98	236	140	154	153	101	109
10/30/2016	21	121	244	180	189	165	94	104
10/31/2016	19	100	200	168	173	170	104	114
AVG	19	111	210	149	157	159	91	100

PERMIT

SWWPCP - OCTOBER 2016

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
10/01/2016		170			
10/02/2016		213			
10/03/2016	98	199	112	8	93%
10/04/2016		189			
10/05/2016	98	188	110	11	90%
10/06/2016		206			
10/07/2016		167			
10/08/2016		177			
10/09/2016		144			
10/10/2016	96	187	109	11	90%
10/11/2016		179			
10/12/2016	108	169	116	13	89%
10/13/2016		169			
10/14/2016		175			
10/15/2016		150			
10/16/2016		179			
10/17/2016	108	191	119	8	93%
10/18/2016		162			
10/19/2016	99	192	112	7	94%
10/20/2016		183			
10/21/2016		182			
10/22/2016		203			
10/23/2016		177			
10/24/2016	115	207	128	9	93%
10/25/2016		179			
10/26/2016	129	179	136	6	96%
10/27/2016		189			
10/28/2016		181			
10/29/2016		188			
10/30/2016		198			
10/31/2016		191			
AVG	106	183	118	9	92%

DESIGN - 200 MGD

DATE	SWWPCP - OCTOBER 2016					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
10/01/2016	21	112	12	145	180	T
10/02/2016	20	108	12	140	187	0.02
10/03/2016	20	109	11	140	160	T
10/04/2016	19	110	10	139	157	T
10/05/2016	19	108	10	137	160	
10/06/2016	19	106	11	136	162	
10/07/2016	19	103	11	133	157	
10/08/2016	20	116	12	148	288	0.26
10/09/2016	29	181	24	234	433	0.89
10/10/2016	20	109	11	140	181	
10/11/2016	19	104	10	133	169	
10/12/2016	19	108	11	138	172	
10/13/2016	19	107	11	137	160	T
10/14/2016	18	104	11	133	156	
10/15/2016	19	104	11	134	165	
10/16/2016	20	103	12	135	167	
10/17/2016	17	104	11	132	142	
10/18/2016	17	104	11	132	156	
10/19/2016	19	102	11	132	154	
10/20/2016	18	105	11	134	156	
10/21/2016	19	104	11	134	193	T
10/22/2016	20	176	25	221	198	0.19
10/23/2016	20	99	11	130	162	
10/24/2016	19	100	11	130	161	
10/25/2016	18	99	11	128	158	
10/26/2016	18	99	10	127	154	
10/27/2016	21	137	13	171	304	0.48
10/28/2016	19	98	10	127	154	
10/29/2016	19	98	12	129	160	
10/30/2016	21	121	13	155	310	0.22
10/31/2016	19	100	11	130	150	
TOTAL	604	3,438	372	4,414		2.06
AVG	19	111	12	142		
		MIN		127	142	
		MAX		234	433	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF OCTOBER 2016

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
10/05/2016	1.860	0.456	21.90	20.60	0.240
10/12/2016	1.650	0.643	22.30	21.80	0.276
10/19/2016	1.130	0.650	22.60	23.60	0.225
10/26/2016	1.150	0.620	30.90	27.30	0.260
AVG	1.448	0.592	24.43	23.33	0.250
MAX	1.860	0.650	30.90	27.30	0.276

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
10/05/2016		< 0.010	
10/06/2016	< 0.010		< 0.030

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	10/05/2016
Copper	0.0070
Iron	0.2260
Iron Dissolved	0.0900
Lead	< 0.0030
Nickel	0.0040
Selenium	< 0.0030
Zinc	< 0.0250

Organics Data (mg/L)

Southwest WPCP - Outfall

	10/03/2016
1,2-Dichloroethane	< 0.0010
Chloroform	0.0030
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010

File Name: 201610SL
 Print Date: 11/21/2016

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP		
OCTOBER 2016	Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP MGD	Sludge Processed by MGD	DT	Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP MGD	Sludge Processed by MGD	DT
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
TOTAL	21.659	21.597	2,224	30.812	30.838	3,268
AVERAGE	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

SW Outfall Monthly Composite 1 and 2

Report Date: 11/22/2016

WW161005-029

Composite 24h 10/05/2016 06:30

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			10/18/2016	12:00	21.9	mg/L as N	0.050	mg/L as N
TKN	SM 4500-Norg D	10/14/2016	14:25	10/18/2016	17:18	20.6	mg/L as N	1	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.
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.

WW161006-025

Composite 24h 10/06/2016 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Free ^{B,D}	SM 4500-CN E-1999			10/12/2016	13:05	<0.010 ^E	mg/L	0.010	mg/L

Data Qualifiers:

Cyanide Free	Laboratory Fortified Matrix (LFM) recovery is 60%. 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:

11/22/2016



Debra A. McCarty, Water Commissioner

December 28, 2016

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Southwest 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 - SOUTHWEST WPC PLANT

Permit Number: PA0026671

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: 37761

Submission Status: Received

Submission Type: Original

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for November 2016

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET
 MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

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	TO	2016	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	***	***	***	2.8	4.7	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.9	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	4056	4638	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	28.58	33.50	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	***	***	***	***	1.090	1.380	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	***	***	***	***	.615	.669	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	***	***	***	***	26.68	31.00	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	***	***	***	***	.584	.814	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
Copper, Total	Sample Measurement	***	***	***	***	.0110	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.1320	***	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
Nickel, Total	Sample Measurement	***	***	***	***	.0050	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0280	***	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)

Selenium, Total	Sample Measurement	***	***	***	***	.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	138	262	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.12	.24	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement	***	***	***	***	.010	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
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	***	***	***	***	35	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4312	4224	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	13743	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	96.73	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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)

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

PERMIT NUMBER

101

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? Yes

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2016	11	01	FROM	2016	11	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
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 SW201611.xls	Daily Effluent Monitoring Form	2016-12-27T15:15:02-05:00	
WW NPDES Weekly - SW (12-20-2016).pdf	Laboratory Accreditation Form	2016-12-27T15:18:22-05:00	
SW Outfall Monthly Composite (12-20-2016).pdf	Laboratory Accreditation Form	2016-12-27T15:17:34-05:00	
SW Fecal Coliform Daily (12-21-2016).pdf	Laboratory Accreditation Form	2016-12-27T15:17:05-05:00	
BLSSW201611.xls	Nutrient Monitoring Form	2016-12-27T15:15:29-05:00	
201611SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2016-12-27T15:16:27-05:00	
SWCSO 201611.xls	CSO Detailed Outfall Report Form	2016-12-27T15:15:58-05:00	

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. 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

SWWPCP - NOVEMBER 2016

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			
S	10/30/2016	155	189	11	94	14,220		104	5	95.17		6,464		
M	10/31/2016	130	173	5	97	5,421		114	4	96.48		4,337		
T	11/01/2016	127	157	2	99	2,118		108	3	97.23		3,178		
W	11/02/2016	128	167	2	99	2,135		127	3	97.63		3,203		10
Th	11/03/2016	126	161	2	99	2,102		131	3	97.70		3,153		
F	11/04/2016	128	193	4	98	4,270		122	3	97.53		3,203		8
S	11/05/2016	132	125	2	98	2,202		124	3	97.59		3,303		
Su	11/06/2016	128	143	4	97	4,270		118	4	96.61		4,270		
M	11/07/2016	128	166	3	98	3,203		115	3	97.40		3,203		9
T	11/08/2016	126	128	2	98	2,102		125	4	96.79		4,203		
W	11/09/2016	182	120	4	97	6,072		110	5	95.46		7,589		13
Th	11/10/2016	130	128	4	97	4,337		93	2	97.85		2,168		
F	11/11/2016	126	153	3	98	3,153		112	2	98.22		2,102		
S	11/12/2016	125	156	2	99	2,085		120	2	98.34		2,085		
Su	11/13/2016	128	171	4	98	4,270		139	5	96.39		5,338		
M	11/14/2016	128	187	3	98	3,203		92	3	96.74		3,203		9
T	11/15/2016	127	146	3	98	3,178		143	2	98.60		2,118		
W	11/16/2016	129	259	4	98	4,303		134	3	97.77		3,228		9
Th	11/17/2016	131	139	3	98	3,278		108	3	97.23		3,278		
F	11/18/2016	125	230	4	98	4,170		135	3	97.78		3,128		
S	11/19/2016	133	297	4	99	4,437		124	4	96.77		4,437		
Su	11/20/2016	129	116	2	98	2,152		100	2	98.00		2,152		
M	11/21/2016	129	162	3	98	3,228		110	3	97.26		3,228		11
T	11/22/2016	125	159	3	98	3,128		145	3	97.93		3,128		
M	11/23/2016	130	181	3	98	3,253		129	4	96.90		4,337		11
Th	11/24/2016	124	171	4	98	4,137		124	8	93.57		8,273		
F	11/25/2016	127	119	3	97	3,178		132	5	96.22		5,296		
S	11/26/2016	126	155	2	99	2,102		111	3	97.31		3,153		
Su	11/27/2016	129	196	3	98	3,228		132	5	96.22		5,379		
M	11/28/2016	133	150	4	97	4,437		126	4	96.83		4,437		13
T	11/29/2016	262	151	8	95	17,481		79	6	92.36		13,110		
W	11/30/2016	251	169	5	97	10,467		48	5	89.68		10,467		15
TOTAL AVERAGE		4,152 138	4,952 165	99 3	98	4,056		3,518 117	108 4	96.73		4,312		11

Wk1	132	166	4		4,638		118	3		3,834
Wk2	135	142	3		3,603		113	3		3,660
Wk3	129	204	4		3,834		125	3		3,533
Wk4	127	152	3		3,025		122	4		4,224

MAX 262

CBOD 20 LBS---- 13,743

NPDES/ MO <30 >85 <50,400 <25 >89.25 <19,800
LIMIT WK <45 <75,060 <40 <29,700

CBOD 20 MO LIMIT---- <35,830

* ACTUAL PERCENT 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

SWWPCP - NOVEMBER 2016

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
T	11/01/2016	127		7.0		4.4		0.20	26
W	11/02/2016	128		7.0		4.1		0.13	47
Th	11/03/2016	126		7.0		3.1		0.06	19
F	11/04/2016	128		6.9		3.8		0.06	25
S	11/05/2016	132		7.0		4.0		0.06	31
Su	11/06/2016	128		6.9		3.6		0.05	38
M	11/07/2016	128		7.0		3.9		0.05	55
T	11/08/2016	126		7.0		4.2		0.07	24
W	11/09/2016	182		7.0		4.5		0.05	48
Th	11/10/2016	130		7.0		5.0		0.15	14
F	11/11/2016	126		7.0		4.8		0.11	5
S	11/12/2016	125		7.0		4.9		0.15	26
Su	11/13/2016	128		7.0		5.1		0.18	30
M	11/14/2016	128		7.0		4.2		0.14	118
T	11/15/2016	127		7.0		4.6		0.01	236
W	11/16/2016	129		7.0		4.2		0.09	219
Th	11/17/2016	131		7.0		4.2		0.08	46
F	11/18/2016	125		7.0		2.8		0.07	53
S	11/19/2016	133		7.0		5.8		0.05	870
Su	11/20/2016	129		7.0		4.2		0.10	40
M	11/21/2016	129		7.0		6.1		0.12	7
T	11/22/2016	125		7.1		4.9		0.17	16
M	11/23/2016	130		7.1		5.6		0.14	10
Th	11/24/2016	124		7.0		5.3		0.17	5
F	11/25/2016	127		7.0		5.4		0.17	17
S	11/26/2016	126		7.0		5.6		0.16	26
Su	11/27/2016	129		7.0		5.4		0.15	36
M	11/28/2016	133		7.1		5.2		0.14	115
T	11/29/2016	262		7.0		5.6		0.13	63
W	11/30/2016	251		7.0		5.6		0.24	33
Total Avg		4,152 138	MIN 6.9	MAX 7.1	MIN 2.8	AVG 4.7	AVG 0.12	MAX 0.24	MEAN 35

Wk1 132
Wk2 135
Wk3 129
Wk4 127

NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - NOVEMBER 2016

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
11/01/2016	18	98	188	152	157	184	96	108
11/02/2016	18	99	212	160	167	203	114	127
11/03/2016	18	97	216	152	161	195	120	131
11/04/2016	18	98	224	188	193	186	111	122
11/05/2016	19	100	200	112	125	162	118	124
11/06/2016	20	96	200	132	143	177	107	118
11/07/2016	18	99	200	160	166	185	104	115
11/08/2016	18	97	200	116	128	183	115	125
11/09/2016	21	148	208	108	120	173	102	110
11/10/2016	19	100	220	112	128	147	84	93
11/11/2016	18	98	204	144	153	162	104	112
11/12/2016	19	96	200	148	156	188	108	120
11/13/2016	19	98	188	168	171	188	130	139
11/14/2016	18	99	232	180	187	153	82	92
11/15/2016	18	98	208	136	146	174	138	143
11/16/2016	18	100	228	264	259	162	130	134
11/17/2016	18	102	184	132	139	174	98	108
11/18/2016	18	97	244	228	230	161	131	135
11/19/2016	19	104	228	308	297	158	118	124
11/20/2016	20	98	180	104	116	186	84	100
11/21/2016	19	99	240	148	162	183	97	110
11/22/2016	18	97	180	156	159	211	134	145
11/23/2016	19	100	232	172	181	206	116	129
11/24/2016	19	94	164	172	171	210	109	124
11/25/2016	18	97	208	104	119	200	121	132
11/26/2016	19	95	216	144	155	187	98	111
11/27/2016	19	98	216	192	196	210	119	132
11/28/2016	19	102	212	140	150	205	113	126
11/29/2016	32	204	228	140	151	111	74	79
11/30/2016	33	195	228	160	169	91	42	48
AVG	20	107	210	158	165	177	107	117

PERMIT

SWWPCP - NOVEMBER 2016

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
11/01/2016	111	214	126	11	91%
11/02/2016		234			
11/03/2016	126	196	136	10	93%
11/04/2016		195			
11/05/2016		195			
11/06/2016		201			
11/07/2016	132	207	143	11	92%
11/08/2016		199			
11/09/2016	114	181	122	15	88%
11/10/2016		179			
11/11/2016		171			
11/12/2016		202			
11/13/2016		200			
11/14/2016	103	167	112	8	93%
11/15/2016		207			
11/16/2016	141	200	149	13	91%
11/17/2016		200			
11/18/2016		188			
11/19/2016		188			
11/20/2016		202			
11/21/2016	109	198	122	8	93%
11/22/2016		234			
11/23/2016	124	285	148	6	96%
11/24/2016		224			
11/25/2016		215			
11/26/2016		225			
11/27/2016		222			
11/28/2016	136	263	154	14	91%
11/29/2016		117			
11/30/2016	66	120	73	20	73%
AVG	116	201	128	12	90%

DESIGN - 200 MGD

DATE	SWWPCP - NOVEMBER 2016					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
11/01/2016	18	98	11	127	154	
11/02/2016	18	99	11	128	157	
11/03/2016	18	97	11	126	149	
11/04/2016	18	98	12	128	152	0.01
11/05/2016	19	100	13	132	155	
11/06/2016	20	96	12	128	156	
11/07/2016	18	99	11	128	152	
11/08/2016	18	97	11	126	151	
11/09/2016	21	148	13	182	320	0.38
11/10/2016	19	100	11	130	168	
11/11/2016	18	98	10	126	162	
11/12/2016	19	96	10	125	157	
11/13/2016	19	98	11	128	160	
11/14/2016	18	99	11	128	157	T
11/15/2016	18	98	11	127	154	T
11/16/2016	18	100	11	129	154	T
11/17/2016	18	102	11	131	158	
11/18/2016	18	97	10	125	151	
11/19/2016	19	104	10	133	174	0.03
11/20/2016	20	98	11	129	161	T
11/21/2016	19	99	11	129	153	
11/22/2016	18	97	10	125	151	
11/23/2016	19	100	11	130	155	
11/24/2016	19	94	11	124	172	
11/25/2016	18	97	12	127	153	T
11/26/2016	19	95	12	126	157	
11/27/2016	19	98	12	129	158	
11/28/2016	19	102	12	133	160	
11/29/2016	32	204	26	262	442	1.02
11/30/2016	33	195	23	251	420	0.73
TOTAL	587	3,203	362	4,152		2.17
AVG	20	107	12	138		
		MIN		124	149	
		MAX		262	442	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF NOVEMBER 2016

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
11/02/2016	1.380	0.669	25.40	28.30	0.382
11/09/2016	1.220	0.629	28.30	29.60	0.814
11/16/2016	1.240	0.638	28.30	27.00	0.544
11/23/2016	0.991	0.570	33.50	31.00	0.404
11/30/2016	0.620	0.571	27.40	17.50	0.778
AVG	1.090	0.615	28.58	26.68	0.584
MAX	1.380	0.669	33.50	31.00	0.814

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
11/02/2016		< 0.010	
11/03/2016	< 0.010		< 0.030

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	11/02/2016
Copper	0.0110
Iron	0.1600
Iron Dissolved	0.1320
Lead	< 0.0030
Nickel	0.0050
Selenium	< 0.0030
Zinc	0.0280

Organics Data (mg/L)

Southwest WPCP - Outfall

	11/07/2016
1,2-Dichloroethane	< 0.0010
Chloroform	0.0030
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010

File Name: 201611SL
 Print Date: 12/23/2016

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP			
Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP		Sludge Processed by MGD		Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP		Sludge Processed by MGD	
NOVEMBER 2016	MGD	MGD	DT	MGD	MGD	DT	
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	
TOTAL	22.166	22.051	2,106	30.108	30.113	2,932	
AVERAGE	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 - SW

Report Date: 12/20/2016

WW161130-027

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	17:49	17.5	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

SW Outfall Monthly Composite

Report Date: 12/20/2016

WW161103-025

Composite 11/03/2016 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Free ^{B,D}	SM 4500-CN E-1999			11/8/2016	11:55	<0.010 ^E	mg/L	0.01	mg/L
Phenols ^{B,D}	EPA 420.4			11/13/2016	18:33	<0.030 ^E	µg/L	0.03	µg/L

Data Qualifiers:

Cyanide Free	Laboratory Fortified Matrix (LFM) recovery is 54%. Acceptance limits are 90 to 110%.
Phenols	Laboratory Fortified Matrix (LFM) recovery is 129%. 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.

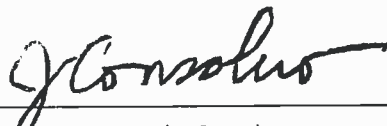
C - Results not meeting the requirements of PA 25 § 252.401

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

SW Fecal Coliform Daily

Report Date: 12/20/2016

WW161108-023

Grab 11/08/2016 06:45

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			11/8/2016	8:10	24.1	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.
-------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------

WW161109-024

Grab 11/09/2016 06:40

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 /Quantit			11/10/2016	8:10	48	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.
- 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 Southwest 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 - SOUTHWEST WPC PLANT

Permit Number: PA0026671

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: 41410

Submission Status: Received

Submission Type: Original

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for December 2016

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET
 MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

PERMIT

SWWPCP - DECEMBER 2016

COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	eff (mg/l)	Suspended Solids SS% REM SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
------	---------------	---------------	---------------	--------------------------------------	-----	-------	---------------	---------------	----------------------	----------------	-----	-------	----------------------

Th	12/01/2016	160	178	3	98	4,003	89	2	97.76		2,669		
F	12/02/2016	135	115	1	99	1,126	95	2	97.89		2,252		
S	12/03/2016	130	96	3	97	3,253	101	3	97.03		3,253		
Su	12/04/2016	139	150	3	98	3,478	120	3	97.49		3,478		
M	12/05/2016	146	171	5	97	6,088	134	4	97.03		4,871		10
T	12/06/2016	241	104	8	92	16,080	102	6	94.13		12,060		
W	12/07/2016	153	156	7	95	8,932	96	4	95.83		5,104		19
Th	12/08/2016	138	201	1	100	1,151	87	3	96.57		3,453		
F	12/09/2016	132	106	3	97	3,303	90	2	97.79		2,202		
S	12/10/2016	134	129	3	98	3,353	129	2	98.44		2,235		
Su	12/11/2016	151	237	3	99	3,778	115	3	97.38		3,778		
M	12/12/2016	194	161	5	97	8,090	99	3	96.96		4,854		9
T	12/13/2016	140	125	3	98	3,503	104	5	95.18		5,838		
W	12/14/2016	138	147	2	99	2,302	100	3	97.01		3,453		10
Th	12/15/2016	135	194	2	99	2,252	118	3	97.45		3,378		
F	12/16/2016	136	173	2	99	2,268	115	3	97.39		3,403		
S	12/17/2016	232	137	5	96	9,674	97	7	92.77		13,544		
Su	12/18/2016	158	72	3	96	3,953	107	3	97.20		3,953		
M	12/19/2016	146	165	2	99	2,435	103	3	97.08		3,653		12
T	12/20/2016	139	199	5	97	5,796	92	3	96.74		3,478		
M	12/21/2016	141	221	4	98	4,704	121	3	97.51		3,528		13
Th	12/22/2016	140	181	5	97	5,838	110	3	97.27		3,503		
F	12/23/2016	139	86	4	95	4,637	112	4	96.42		4,637		
S	12/24/2016	201	151	4	97	6,705	104	5	95.21		8,382		
Su	12/25/2016	136	123	3	98	3,403	99	4	95.94		4,537		
M	12/26/2016	136	109	4	96	4,551	95	4	95.79		4,551		12
T	12/27/2016	141	175	6	97	7,056	107	3	97.20		3,528		
W	12/28/2016	136	117	2	98	2,268	98	3	96.93		3,403		10
Th	12/29/2016	173	136	5	96	7,214	93	3	96.79		4,328		
F	12/30/2016	137	125	5	96	5,713	120	2	98.33		2,285		
S	12/31/2016	139	178	3	98	3,478	105	4	96.20		4,637		

TOTAL	4,696	4,614	114				3,256	105					
AVERAGE	151	149	4	97		4,851	105	3	96.73		4,459		12

Wk1	155	145	4			6,055	108	3			4,772		
Wk2	161	168	3			4,552	107	4			5,464		
Wk3	152	154	4			4,867	107	3			4,448		
Wk4	143	137	4			4,812	102	3			3,896		

MAX	241
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CBOD 20 LBS----	14,599
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - DECEMBER 2016

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
Th	12/01/2016	160		7.0		6.6		0.37	9
F	12/02/2016	135		7.0		5.9		0.14	7
S	12/03/2016	130		7.0		5.8		0.14	7
Su	12/04/2016	139		7.1		5.8		0.10	16
M	12/05/2016	146		7.0		6.9		0.08	21
T	12/06/2016	241		7.0		5.6		0.11	17
W	12/07/2016	153		7.0		7.4		0.37	6
Th	12/08/2016	138		7.0		5.9		0.13	3
F	12/09/2016	132		7.1		6.8		0.12	4
S	12/10/2016	134		7.0		6.0		0.15	6
Su	12/11/2016	151		7.0		5.7		0.15	11
M	12/12/2016	194		7.0		4.7		0.30	21
T	12/13/2016	140		7.0		6.4		0.17	14
W	12/14/2016	138		7.1		6.7		0.13	9
Th	12/15/2016	135		7.1		6.7		0.16	13
F	12/16/2016	136		7.0		6.4		0.14	60
S	12/17/2016	232		7.0		6.3		0.10	26
Su	12/18/2016	158		7.0		5.6		0.31	2
M	12/19/2016	146		7.1		5.7		0.11	6
T	12/20/2016	139		7.1		6.2		0.10	2
M	12/21/2016	141		7.0		6.4		0.11	3
Th	12/22/2016	140		7.0		6.3		0.11	4
F	12/23/2016	139		7.0		6.4		0.14	4
S	12/24/2016	201		7.0		6.3		0.08	6
Su	12/25/2016	136		7.0		6.5		0.11	5
M	12/26/2016	136		7.0		7.1		0.17	58
T	12/27/2016	141		7.0		6.0		0.13	93
W	12/28/2016	136		7.0		6.2		0.20	22
Th	12/29/2016	173		7.1		6.3		0.16	25
F	12/30/2016	137		7.0		5.9		0.16	13
S	12/31/2016	139		7.0		6.2		0.16	26
Total Avg		4,696 151	MIN 7.0	MAX 7.1	MIN 4.7	AVG 6.2	AVG 0.16	MAX 0.37	MEAN 10

Wk1 155
Wk2 161
Wk3 152
Wk4 143

NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - DECEMBER 2016

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
12/01/2016	24	125	232	168	178	92	89	89
12/02/2016	20	106	224	96	115	104	93	95
12/03/2016	20	101	204	76	96	150	92	101
12/04/2016	20	109	208	140	150	183	109	120
12/05/2016	20	115	240	160	171	213	122	134
12/06/2016	30	188	216	88	104	167	93	102
12/07/2016	24	116	196	148	156	138	88	96
12/08/2016	21	107	204	200	201	129	80	87
12/09/2016	20	101	228	84	106	171	76	90
12/10/2016	20	102	200	116	129	177	120	129
12/11/2016	21	117	240	236	237	162	107	115
12/12/2016	26	153	220	152	161	141	92	99
12/13/2016	21	108	128	124	125	147	96	104
12/14/2016	20	108	164	144	147	132	95	100
12/15/2016	20	104	228	188	194	161	110	118
12/16/2016	20	105	200	168	173	166	106	115
12/17/2016	32	181	144	136	137	146	89	97
12/18/2016	26	119	172	52	72	138	101	107
12/19/2016	22	111	216	156	165	147	95	103
12/20/2016	21	107	216	196	199	132	85	92
12/21/2016	21	109	184	228	221	187	109	121
12/22/2016	20	108	236	172	181	164	101	110
12/23/2016	21	106	212	64	86	200	96	112
12/24/2016	27	158	224	140	151	165	95	104
12/25/2016	21	103	180	112	123	162	87	99
12/26/2016	21	104	204	92	109	156	84	95
12/27/2016	21	109	192	172	175	189	93	107
12/28/2016	20	104	168	108	117	183	83	98
12/29/2016	23	137	188	128	136	155	84	93
12/30/2016	21	105	216	108	125	207	104	120
12/31/2016	21	106	212	172	178	168	94	105
AVG	22	117	203	139	149	159	96	105

PERMIT

SWWPCP - DECEMBER 2016

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
12/01/2016		104			
12/02/2016		116			
12/03/2016		174			
12/04/2016		203			
12/05/2016	139	240	153	12	92%
12/06/2016		182			
12/07/2016	94	152	103	17	84%
12/08/2016		166			
12/09/2016		174			
12/10/2016		194			
12/11/2016		178			
12/12/2016	101	193	113	15	87%
12/13/2016		176			
12/14/2016	110	150	116	8	93%
12/15/2016		193			
12/16/2016		202			
12/17/2016		159			
12/18/2016		156			
12/19/2016	107	167	116	10	91%
12/20/2016		153			
12/21/2016	119	203	132	21	84%
12/22/2016		191			
12/23/2016		206			
12/24/2016		189			
12/25/2016		196			
12/26/2016	119	180	128	14	89%
12/27/2016		202			
12/28/2016	100	211	116	6	95%
12/29/2016		165			
12/30/2016		219			
12/31/2016		200			
AVG	111	180	122	13	89%

DESIGN - 200 MGD

DATE	SWWPCP - DECEMBER 2016					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
12/01/2016	24	125	11	160	ND	0.03
12/02/2016	20	106	9	135	ND	
12/03/2016	20	101	9	130	ND	
12/04/2016	20	109	10	139	ND	
12/05/2016	20	115	11	146	ND	0.13
12/06/2016	30	188	23	241	434	0.74
12/07/2016	24	116	13	153	192	0.04
12/08/2016	21	107	10	138	235	
12/09/2016	20	101	11	132	156	
12/10/2016	20	102	12	134	168	T
12/11/2016	21	117	13	151	341	T
12/12/2016	26	153	15	194	349	0.42
12/13/2016	21	108	11	140	165	
12/14/2016	20	108	10	138	160	T
12/15/2016	20	104	11	135	160	0.01
12/16/2016	20	105	11	136	161	
12/17/2016	32	181	19	232	394	0.72
12/18/2016	26	119	13	158	185	0.02
12/19/2016	22	111	13	146	164	
12/20/2016	21	107	11	139	163	
12/21/2016	21	109	11	141	160	
12/22/2016	20	108	12	140	162	
12/23/2016	21	106	12	139	162	
12/24/2016	27	158	16	201	372	0.39
12/25/2016	21	103	12	136	165	
12/26/2016	21	104	11	136	171	
12/27/2016	21	109	11	141	176	0.03
12/28/2016	20	104	12	136	162	
12/29/2016	23	137	13	173	288	0.19
12/30/2016	21	105	11	137	163	T
12/31/2016	21	106	12	139	170	
TOTAL	685	3,632	379	4,696		2.72
AVG	22	117	12	151		
			MIN	130	156	
			MAX	241	434	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF DECEMBER 2016

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
12/05/2016	0.830	0.365	27.90	27.20	0.499
12/07/2016	0.608	0.271	25.30	23.30	0.995
12/09/2016	0.852	0.458	38.40	23.70	0.193
12/14/2016	0.775	0.591	45.50	24.50	0.255
12/21/2016	0.769	0.513	25.90	27.60	0.642
12/28/2016	0.752	0.484	21.20	23.50	0.611
AVG	0.764	0.447	30.70	24.97	0.533
MAX	0.852	0.591	45.50	27.60	0.995

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Total Cyanide	Free Cyanide	Phenolics
12/05/2017	<	0.010	< 0.030
12/07/2017	0.001	< 0.010	< 0.030
12/09/2017	<	0.010	< 0.030
AVG	0.001	< 0.010	< 0.030

Metals Data

Southwest WPCP - Outfall

Date	12/05/2016	12/07/2016	12/09/2016	AVG
Copper	0.0080	0.0100	0.0060	0.0080
Iron	< 0.1440	< 0.3930	< 0.1120	0.2163
Iron Dissolved	< 0.0720	< 0.1000	< 0.0620	0.0780
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Nickel	0.0040	0.0040	0.0040	0.0040
Selenium	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	0.0360	0.0330	0.0350	0.0347

Organics Data (mg/L)

Southwest WPCP - Outfall

	12/04/2016	12/05/2016	12/06/2016	12/07/2016	12/08/2016	12/09/2016	AVG
1,2-Dichloroethane	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0017
alpha-Endosulfan	<	0.0000081	<	0.0000080	<	0.0000094	< 0.0000085
Benzidine	<	0.0570	<	0.0570	<	0.0560	< 0.0567
beta-BHC	<	0.0000081	<	0.0000080	<	0.0000094	< 0.0000085
Chlordane	<	0.0004000	<	0.0004000	<	0.0004700	< 0.0004233
Chloroform	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Dieldrin	<	0.0000160	<	0.0000160	<	0.0000190	< 0.0000170
Heptachlor	<	0.0000081	<	0.0000080	<	0.0000094	< 0.0000085
Lindane (Gamma-BHC)	<	0.0000081	<	0.0000080	<	0.0000094	< 0.0000085
p,p'-DDD	<	0.0000160	<	0.0000160	<	0.0000190	< 0.0000170
p,p'-DDE	<	0.0000160	<	0.0000160	<	0.0000190	< 0.0000170
p,p'-DDT	<	0.0000160	<	0.0000160	<	0.0000190	< 0.0000170
Tetrachloroethylene	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0017
Trichloroethylene	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0017



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

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

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	***	***	***	4.7	6.2	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	7.0	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	4851	6055	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	30.70	45.50	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	***	***	***	***	.764	.852	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	***	***	***	***	.447	.591	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	***	***	***	***	24.97	27.60	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	***	***	***	***	.533	.995	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	***	***	***	***	<.0017	***	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	***	***	***	***	<.030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	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, Dissolved	Sample Measurement	***	***	***	***	<.0780	***	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
Nickel, Total	Sample Measurement	***	***	***	***	.0040	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0347	***	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)

Selenium, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	151	241	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.16	.37	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement	***	***	***	***	<.010	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0017	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Trichloroethylene	Sample Measurement	***	***	***	***	<.0017	***	mg/L	Grab	5/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/month
Fecal Coliform	Sample Measurement	***	***	***	***	10	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4459	5464	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	14599	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	96.73	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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)

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

PERMIT NUMBER

101

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? Yes

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2016	12	01	FROM	2016	12	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
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
WW NPDES Weekly - SW (01-19-2017).pdf	Laboratory Accreditation Form	2017-01-26T11:33:52-05:00	
SW WET Testing Composite (01-19-2017).pdf	Laboratory Accreditation Form	2017-01-26T11:33:19-05:00	
SW Fecal Coliform Daily (01-19-2017).pdf	Laboratory Accreditation Form	2017-01-26T11:32:36-05:00	
Sludge Dewatering Summary Report - December 2016.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-01-26T11:31:58-05:00	
E-NPDES SW-201612.xls	Daily Effluent Monitoring Form	2017-01-26T11:29:53-05:00	
BLSSW201612.xls	Nutrient Monitoring Form	2017-01-26T11:31:00-05:00	
SWCSO 201612.xls	CSO Detailed Outfall Report Form	2017-01-26T11:31:32-05:00	

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
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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	1	26
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO



Debra A. McCarty, Water Commissioner

January 26, 2017

The City of Philadelphia hereby submits the Annually Discharge Monitoring Report (DMR) for the Southwest 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 - SOUTHWEST WPC PLANT

Permit Number: PA0026671

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: 41417

Submission Status: Received

Submission Type: Original

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES
Southwest Water Pollution Control Plant
NPDES SUMMARY FOR THE MONTH OF DECEMBER 2016

Central Laboratory

Stormwater Sampling (mg/L)
Southwest WPCP - Outfall

		08/11/2016
COD	<	109
HEM (Oil & Grease)	<	5.0
Phosphorous Total		3.02
TKN		4.69
CBOD5		29
TSS		91

Stormwater Sampling (pH)	08/11/2016
pH	7.2

Stormwater Sampling (#/100mls)	08/11/2016
Fecal Coliform	> 2,419.6

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES
Southwest Water Pollution Control Plant
NPDES SUMMARY FOR THE MONTH OF DECEMBER 2016

Central Laboratory

PCB (pg/L)

Southwest WPCP - Outfall

PCB	03/10/2016	05/14/2016	08/04/2016	09/28/2016	10/23/2016	AVG
Dry Test	4,422		3,538	1,938		3,299
Wet Test		4,416			1,708	3,062



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

PERMIT NUMBER

001

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
2016	01	01	TO	2016	12	31

FROM

TO

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	***	***	***	1708	***	4416	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	***	***	***	1938	***	4422	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 ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY:

PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION:

8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE:

Final Effluent

PA0026671

PERMIT NUMBER

085

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
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	***	***	***	***	***	<109	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
pH	Sample Measurement	***	***	***	***	***	7.2	S.U.	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Total Suspended Solids	Sample Measurement	***	***	***	***	***	91	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	***	***	***	***	***	4.69	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Total Phosphorus	Sample Measurement	***	***	***	***	***	3.02	mg/L	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Fecal Coliform	Sample Measurement	***	***	***	***	***	>2419.6	CFU/100 ml	Grab	1/year
	Permit Measurement	***	***		***	***	Monitor & Report Daily Max		Grab	1/year
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	***	***	***	***	***	29	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
BLSSW201612.xls	Annual Nutrient Summary Form	2017-01-26T11:51:49-05:00	

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
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	26
		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 Southwest 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 - SOUTHWEST WPC PLANT

Permit Number: PA0026671

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: 41414

Submission Status: Received

Submission Type: Original

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF DECEMBER 2016

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
12/05/2016	0.830	0.365	27.90	27.20	0.499
12/07/2016	0.608	0.271	25.30	23.30	0.995
12/09/2016	0.852	0.458	38.40	23.70	0.193
12/14/2016	0.775	0.591	45.50	24.50	0.255
12/21/2016	0.769	0.513	25.90	27.60	0.642
12/28/2016	0.752	0.484	21.20	23.50	0.611
AVG	0.764	0.447	30.70	24.97	0.533
MAX	0.852	0.591	45.50	27.60	0.995

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Total Cyanide	Free Cyanide	Phenolics
12/05/2017	<	0.010	< 0.030
12/07/2017	0.001	< 0.010	< 0.030
12/09/2017	<	0.010	< 0.030
AVG	0.001	< 0.010	< 0.030

Metals Data

Southwest WPCP - Outfall

Date	12/05/2016	12/07/2016	12/09/2016	AVG
Copper	0.0080	0.0100	0.0060	0.0080
Iron	< 0.1440	< 0.3930	< 0.1120	0.2163
Iron Dissolved	< 0.0720	< 0.1000	< 0.0620	0.0780
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Nickel	0.0040	0.0040	0.0040	0.0040
Selenium	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Zinc	0.0360	0.0330	0.0350	0.0347

Organics Data (mg/L)

Southwest WPCP - Outfall

	12/04/2016	12/05/2016	12/06/2016	12/07/2016	12/08/2016	12/09/2016	AVG
1,2-Dichloroethane	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0017
alpha-Endosulfan	<	0.0000081	<	0.0000080	<	0.0000094	< 0.0000085
Benzidine	<	0.0570	<	0.0570	<	0.0560	< 0.0567
beta-BHC	<	0.0000081	<	0.0000080	<	0.0000094	< 0.0000085
Chlordane	<	0.0004000	<	0.0004000	<	0.0004700	< 0.0004233
Chloroform	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Dieldrin	<	0.0000160	<	0.0000160	<	0.0000190	< 0.0000170
Heptachlor	<	0.0000081	<	0.0000080	<	0.0000094	< 0.0000085
Lindane (Gamma-BHC)	<	0.0000081	<	0.0000080	<	0.0000094	< 0.0000085
p,p'-DDD	<	0.0000160	<	0.0000160	<	0.0000190	< 0.0000170
p,p'-DDE	<	0.0000160	<	0.0000160	<	0.0000190	< 0.0000170
p,p'-DDT	<	0.0000160	<	0.0000160	<	0.0000190	< 0.0000170
Tetrachloroethylene	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0017
Trichloroethylene	< 0.0010	< 0.0010	< 0.0050	< 0.0010	< 0.0010	< 0.0010	< 0.0017

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF DECEMBER 2016

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

12/09/2016

Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic		2
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic		2



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

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	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		
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	***	***	***	***	***	2	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	***	***	***	***	<.0004233	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
alpha-Endosulfan	Sample Measurement	***	***	***	***	<.0000085	***	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	***	***	***	***	<.0000170	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDD	Sample Measurement	***	***	***	***	<.0000170	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDE	Sample Measurement	***	***	***	***	<.0000170	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
beta-BHC	Sample Measurement	***	***	***	***	<.0000085	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
gamma-BHC (Lindane)	Sample Measurement	***	***	***	***	<.0000085	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Dieldrin	Sample Measurement	***	***	***	***	<.0000170	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Heptachlor	Sample Measurement	***	***	***	***	<.0000085	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Toxicity, Chronic - Pimephales Survival	Sample Measurement	***	***	***	***	***	2	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
BLSSW201612.xls	WET Test Summary Report	2017-01-26T11:44:03-05:00	
SW WET Testing Composite (01-19-2017).pdf	Laboratory Accreditation Form	2017-01-26T11:44:36-05:00	

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
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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	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

SW WET Testing Composite

Report Date: 01/19/2017

WW161205-028

Composite 24h 12/05/2016 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
1,2-Diphenylhydrazine ^{B,D}	EPA 625	12/11/2016	8:00	12/12/2016	16:25	<5 ^E	µg/L	5	µg/L
2,4-Dimethylphenol ^{B,D}	EPA 625	12/11/2016	8:00	12/12/2016	16:25	<5 ^E	µg/L	5	µg/L
4,4'-DDD ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.016 ^E	µg/L	0.016	µg/L
4,4'-DDE ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.016 ^E	µg/L	0.016	µg/L
4,4'-DDT ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.016 ^E	µg/L	0.016	µg/L
4,6-Dinitro-o-cresol ^{B,D}	EPA 625	12/11/2016	8:00	12/12/2016	16:25	<14 ^E	µg/L	14	µg/L
4-Nitrophenol ^{B,D}	EPA 625	12/11/2016	8:00	12/12/2016	16:25	<14 ^E	µg/L	14	µg/L
Aldrin ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.0081 ^E	µg/L	0.0081	µg/L
alpha-BHC ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.0081 ^E	µg/L	0.0081	µg/L
Aroclor 1262 ^{B,D}	NA			1/1/2000	0:00	NM ^E	µg/L	NA	µg/L
Aroclor 1268 ^{B,D}	NA			1/1/2000	0:00	NM ^E	µg/L	NA	µg/L
beta-BHC ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.0081 ^E	µg/L	0.0081	µg/L
Chlordane ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.40 ^E	µg/L	0.40	µg/L
Cyanide Free	SM 4500-CN E-1999			12/12/2016	13:11	<0.010	mg/L	0.010	mg/L
delta-BHC ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.0081 ^E	µg/L	0.0081	µg/L
Dieldrin ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.016 ^E	µg/L	0.016	µg/L
Endosulfan I ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.0081 ^E	µg/L	0.0081	µg/L
Endosulfan II ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.016 ^E	µg/L	0.016	µg/L
Endosulfan sulfate ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.016 ^E	µg/L	0.016	µg/L
Endrin ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.016 ^E	µg/L	0.016	µg/L
Endrin aldehyde ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.081 ^E	µg/L	0.081	µg/L
gamma-BHC ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.0081 ^E	µg/L	0.0081	µg/L
Heptachlor ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.0081 ^E	µg/L	0.0081	µg/L

Heptachlor epoxide ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.0081 ^E	µg/L	0.0081	µg/L
Hexachlorocyclopentadiene ^{B,D}	EPA 625	12/11/2016	8:00	12/12/2016	16:25	<14 ^E	µg/L	14	µg/L
Pentachlorophenol ^{B,D}	EPA 625	12/11/2016	8:00	12/12/2016	16:25	<14 ^E	µg/L	14	µg/L
Phenols ^{B,D}	EPA 420.4			12/8/2016	6:25	<0.030 ^E	mg/L	0.030	mg/L
TKN	SM 4500-Norg D	12/15/2016	15:00	12/15/2016	17:50	27.2	mg/L	1	mg/L
Toxaphene ^{B,D}	EPA 608	12/9/2016	2:00	12/10/2016	3:28	<0.81 ^E	µg/L	0.81	µg/L

Data Qualifiers:

1,2-Diphenylhydrazine	The recovery of the LCS is 120%, which is outside the acceptance limits of 73-119%. 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.
2,4-Dimethylphenol	The recovery of the LCS is 71% and the LCSD is 68%, which are outside the acceptance limits of 72-110%. 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.
4,4'-DDD	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 28%, which is outside the acceptance limits of 53-131%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 110%. The maximum acceptable RPD is 30%. The measured results were 28 and 97 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.
4,4'-DDE	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 28%, which is outside the acceptance limits of 51-129%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 109%. The maximum acceptable RPD is 30%. The measured results were 28 and 96 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.
4,4'-DDT	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 28%, which is outside the acceptance limits of 42-136%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 110%. The maximum acceptable RPD is 30%. The measured results were 28 and 96 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.
4,6-Dinitro-o-cresol	The recovery of the LCSD is 72%, which is outside the acceptance limits of 74-120%. 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.
4-Nitrophenol	The Relative Percent Difference (RPD) between the sample and sample duplicate is 43%. The maximum acceptable RPD is 30%. The measured results were 41 and 27 ug/L. 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.

Aldrin	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 25%, which is outside the acceptance limits of 28-119%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 106%. The maximum acceptable RPD is 30%. The measured results were 25 and 83 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.
alpha-BHC	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 29%, which is outside the acceptance limits of 47-132%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 110%. The maximum acceptable RPD is 30%. The measured results were 29 and 99 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method 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.
beta-BHC	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 29%, which is outside the acceptance limits of 56-125%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 111%. The maximum acceptable RPD is 30%. The measured results were 29 and 101 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.
Chlordane	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%.
Cyanide Free	Laboratory Fortified Matrix (LFM) recovery is 84%. Acceptance limits are 90 to 110%.
delta-BHC	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 29%, which is outside the acceptance limits of 57-131%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 109%. The maximum acceptable RPD is 30%. The measured results were 29 and 100 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.
Dieldrin	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 28%, which is outside the acceptance limits of 54-126%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 109%. The maximum acceptable RPD is 30%. The measured results were 28 and 94 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.
Endosulfan I	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 27%, which is outside the acceptance limits of 51-118%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 106%. The maximum acceptable RPD is 30%. The measured results were 27 and 90 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.
Endosulfan II	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 30%, which is outside the acceptance limits of 54-124%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 98%. The maximum acceptable RPD is 30%. The measured results were 30 and 88 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.

Endosulfan sulfate	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 22%, which is outside the acceptance limits of 41-133%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 121%. The maximum acceptable RPD is 30%. The measured results were 22 and 88 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.
Endrin	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 20%, which is outside the acceptance limits of 35-143%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 131%. The maximum acceptable RPD is 30%. The measured results were 20 and 94 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.
Endrin aldehyde	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 20%, which is outside the acceptance limits of 40-135%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 124%. The maximum acceptable RPD is 30%. The measured results were 20 and 84 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.
gamma-BHC	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 29%, which is outside the acceptance limits of 51-132%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 110%. The maximum acceptable RPD is 30%. The measured results were 29 and 99 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.
Heptachlor	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 11%, which is outside the acceptance limits of 38-111%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 157%. The maximum acceptable RPD is 30%. The measured results were 11 and 92 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.
Heptachlor epoxide	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%. The recovery of the LCS is 29%, which is outside the acceptance limits of 56-132%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 107%. The maximum acceptable RPD is 30%. The measured results were 29 and 95 ug/L. %. Corrective action: The sample was re-extracted outside the method hold time and the QC is method compliant. The result is reported from the first trial. Similar results obtained in both trials.
Hexachlorocyclopentadiene	The recovery of the LCS is 23%, which is 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.
Pentachlorophenol	The recovery of the LCS is 55% and the LCSD is 39%, which are outside the acceptance limits of 57-116%. The Relative Percent Difference (RPD) between the sample and sample duplicate is 33%. The maximum acceptable RPD is 30%. 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.
Phenols	Laboratory Fortified Matrix (LFM) recovery is 54%. Acceptance limits are 90 to 110%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 111.8%. Acceptance limits are 90 to 110%.
Toxaphene	The recovery of the surrogates: Decachlorobiphenyl is 27% in the LCS, which is outside the acceptance limits of 32-149%, and the recovery of Tetrachloro-m-xylene is 19% in the LCS, which is outside the acceptance limits of 29-129%.

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1262 ^{B,D}	NA			1/1/2000	0:00	NM ^E	µg/L	NA	µg/L
Aroclor 1268 ^{B,D}	NA			1/1/2000	0:00	NM ^E	µg/L	NA	µg/L
CBOD5	SM 5210 B	12/7/2016	13:35	12/12/2016	9:30	6.67	mg/L	2	mg/L
Cyanide Free	SM 4500-CN E-1999			12/12/2016	13:09	<0.010	mg/L	0.010	mg/L
TKN	SM 4500-Norg D	12/15/2016	15:00	12/15/2016	17:44	23.3	mg/L	1	mg/L

Data Qualifiers:

Aroclor 1262	This analyte was not requested for analysis.
Aroclor 1268	This analyte was not requested for analysis.
CBOD5	Laboratory Fortified Blank (LFB) recovery is 149.5%. Acceptance limits are 167.5 to 228.5%.
Cyanide Free	Laboratory Fortified Matrix (LFM) recovery is 84%. Acceptance limits are 90 to 110%.
TKN	Laboratory Fortified Matrix (LFM) recovery is 111.8%. Acceptance limits are 90 to 110%.

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1262 ^{B,D}	NA			1/1/2000	0:00	NM ^E	µg/L	NA	µg/L
Aroclor 1268 ^{B,D}	NA			1/1/2000	0:00	NM ^E	µg/L	NA	µg/L
Nitrite	EPA 300.0 rev 2.1			12/9/2016	16:06	0.852	mg/L as N	0.05	mg/L as N
Pentachlorophenol ^{B,D}	EPA 625	12/14/2016	17:00	12/15/2016	14:28	<14 ^E	µg/L	14	µg/L
Phenols ^{B,D}	EPA 420.4			12/12/2016	14:07	<0.030 ^E	mg/L	0.030	mg/L
TKN	SM 4500-Norg D	12/15/2016	15:00	12/15/2016	17:55	23.7	mg/L	1	mg/L

Data Qualifiers:

Aroclor 1262	This analyte was not requested for analysis.
Aroclor 1268	This analyte was not requested for analysis.
Nitrite	Laboratory Fortified Matrix (LFM) recovery is 73.9%. Acceptance limits are 90 to 110%.
Pentachlorophenol	The recovery of the LCS is 134% and the LCSD is 142%, which are outside the acceptance limits of 57-116%.
Phenols	Laboratory Fortified Matrix (LFM) recovery is 84%. Acceptance limits are 90 to 110%.
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

SW Fecal Coliform Daily

Report Date: 01/19/2017

WW161204-023

Grab 12/04/2016 07:00

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			12/5/2016	8:25	15.8	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

WW NPDES Weekly - SW

Report Date: 01/19/2017

WW161214-027

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	18:00	24.5	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



Debra A. McCarty, Water Commissioner

February 27, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Southwest 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 - SOUTHWEST WPC PLANT

Permit Number: PA0026671

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: 45975

Submission Status: Received

Submission Type: Original

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for January 2017

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

PERMIT

SWWPCP - JANUARY 2017

COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	Suspended Solids eff (mg/l)	SS% REM	SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
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Su	01/01/2017	128	163	4	98	4,270		104	5	95.21		5,338		
M	01/02/2017	193	154	7	95	11,267		96	5	94.80		8,048		15
T	01/03/2017	207	103	4	96	6,906		83	8	90.38		13,811		
W	01/04/2017	141	135	1	99	1,176		114	3	97.36		3,528		11
Th	01/05/2017	137	128	2	98	2,285		96	3	96.88		3,428		
F	01/06/2017	139	128	3	98	3,478		103	3	97.09		3,478		
S	01/07/2017	134	144	2	99	2,235		107	4	96.26		4,470		
Su	01/08/2017	138	80	3	96	3,453		118	3	97.45		3,453		
M	01/09/2017	138	152	4	97	4,604		111	3	97.30		3,453		13
T	01/10/2017	158	122	4	97	5,271		114	3	97.36		3,953		
W	01/11/2017	191	188	6	97	9,558		99	6	93.96		9,558		15
Th	01/12/2017	147	157	3	98	3,678		108	4	96.29		4,904		
F	01/13/2017	141	143	5	97	5,880		88	5	94.32		5,880		
S	01/14/2017	142	130	4	97	4,737		110	3	97.28		3,553		
Su	01/15/2017	140	105	3	97	3,503		101	5	95.05		5,838		
M	01/16/2017	138	198	4	98	4,604		146	6	95.88		6,906		20
T	01/17/2017	196	NS	8	ND	13,077		101	3	97.02		4,904		
M	01/18/2017	161	153	4	97	5,371		105	3	97.15		4,028		12
Th	01/19/2017	160	161	3	98	4,003		114	3	97.38		4,003		
F	01/20/2017	178	174	3	98	4,454		99	5	94.93		7,423		
S	01/21/2017	152	156	5	97	6,338		91	2	97.79		2,535		
Su	01/22/2017	170	145	4	97	5,671		92	3	96.75		4,253		
M	01/23/2017	264	171	4	98	8,807		76	7	90.76		15,412		15
T	01/24/2017	197	137	8	94	13,144		84	4	95.24		6,572		
W	01/25/2017	162	174	5	97	6,755		99	5	94.94		6,755		11
Th	01/26/2017	160	225	5	98	6,672		104	3	97.13		4,003		
F	01/27/2017	150	135	2	99	2,502		96	3	96.88		3,753		
S	01/28/2017	150	166	3	98	3,753		115	3	97.38		3,753		
Su	01/29/2017	152	146	3	98	3,803		132	3	97.72		3,803		
M	01/30/2017	154	172	4	98	5,137		97	3	96.90		3,853		
T	01/31/2017	149	144	4	97	4,971		100	3	97.00		3,728		

TOTAL	4,967	4,490	124					3,202	122					
AVERAGE	160	150	4	97		5,528		103	4	96.06		5,431		14

Wk1	154	137	3	98		4,517		101	4	95.43		6,014		
Wk2	151	139	4	97		5,311		107	4	96.28		4,965		
Wk3	161	158	4	98		5,907		108	4	96.46		5,091		
Wk4	179	165	4	97		6,758		95	4	95.58		6,357		

MAX	264
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CBOD 20 LBS----	20,369
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - JANUARY 2017

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF	DISSOLVED OXYGEN (mg/l)	CHLORINE RESIDUAL (mg/l)	FECAL COLIFORM (MPN / 100mL)
Su	01/01/2017	128	7.1	6.0	0.09	15
M	01/02/2017	193	7.0	6.5	0.09	43
T	01/03/2017	207	7.0	5.2	0.15	6
W	01/04/2017	141	7.0	7.6	0.20	2
Th	01/05/2017	137	7.0	6.0	0.07	3
F	01/06/2017	139	7.0	5.9	0.09	8
S	01/07/2017	134	7.1	6.8	0.16	1
Su	01/08/2017	138	7.0	6.4	0.17	< 1
M	01/09/2017	138	7.0	5.8	0.14	15
T	01/10/2017	158	7.0	6.8	0.19	57
W	01/11/2017	191	6.9	4.4	0.12	1,733
Th	01/12/2017	147	7.0	5.5	0.39	3
F	01/13/2017	141	7.0	6.5	0.17	27
S	01/14/2017	142	7.0	6.3	0.12	27
Su	01/15/2017	140	7.0	5.2	0.10	32
M	01/16/2017	138	7.0	5.2	0.07	41
T	01/17/2017	196	7.0	4.8	0.08	11
M	01/18/2017	161	7.0	7.5	0.27	152
Th	01/19/2017	160	6.9	7.6	0.24	3
F	01/20/2017	178	7.0	6.7	0.20	5
S	01/21/2017	152	7.0	6.6	0.20	1
Su	01/22/2017	170	7.0	6.7	0.23	3
M	01/23/2017	264	7.1	6.2	0.26	3
T	01/24/2017	197	7.0	6.1	0.16	10
W	01/25/2017	162	7.0	6.4	0.26	6
Th	01/26/2017	160	6.9	6.5	0.28	6
F	01/27/2017	150	7.0	6.6	0.18	15
S	01/28/2017	150	7.0	6.8	0.17	15
Su	01/29/2017	152	7.0	6.7	0.22	< 1
M	01/30/2017	154	7.0	5.9	0.17	10
T	01/31/2017	149	7.0	6.5	0.17	4
Total Avg		4,967 160	MIN 6.9 MAX 7.1	MIN 4.4 AVG 6.2	AVG 0.17 MAX 0.39	MEAN 9

Wk1 154
Wk2 151
Wk3 161
Wk4 179

NPDES/
LIMIT EFFLUENT
 MIN MAX
 6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - JANUARY 2017

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
01/01/2017	18	99	228	152	163	168	94	104
01/02/2017	26	153	196	148	154	162	86	96
01/03/2017	25	166	216	88	103	150	74	83
01/04/2017	20	110	156	132	135	233	94	114
01/05/2017	19	106	180	120	128	159	86	96
01/06/2017	18	109	212	116	128	157	95	103
01/07/2017	18	105	168	140	144	158	99	107
01/08/2017	19	107	208	60	80	173	109	118
01/09/2017	18	110	176	148	152	153	105	111
01/10/2017	19	126	196	112	122	177	105	114
01/11/2017	21	156	192	188	188	150	93	99
01/12/2017	20	115	160	156	157	132	104	108
01/13/2017	19	110	216	132	143	165	76	88
01/14/2017	19	111	168	124	130	164	102	110
01/15/2017	19	109	160	96	105	146	94	101
01/16/2017	19	109	212	196	198	174	141	146
01/17/2017	22	158	NS	280	NS	114	99	101
01/18/2017	21	129	212	144	153	161	97	105
01/19/2017	20	129	196	156	161	180	105	114
01/20/2017	20	146	188	172	174	158	91	99
01/21/2017	19	123	208	148	156	150	82	91
01/22/2017	20	139	156	144	145	162	83	92
01/23/2017	28	215	228	164	171	141	68	76
01/24/2017	25	158	172	132	137	126	78	84
01/25/2017	21	129	188	172	174	125	95	99
01/26/2017	20	128	200	228	225	191	92	104
01/27/2017	19	120	156	132	135	126	92	96
01/28/2017	19	120	180	164	166	180	105	115
01/29/2017	20	121	184	140	146	188	123	132
01/30/2017	19	125	232	164	172	165	87	97
01/31/2017	18	122	228	132	144	174	90	100
AVG	20	128	192	148	150	160	95	103

PERMIT

SWWPCP - JANUARY 2017

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
01/01/2017		197			
01/02/2017	117	192	127	13	90%
01/03/2017		159			
01/04/2017	104	240	123	12	90%
01/05/2017		180			
01/06/2017		183			
01/07/2017		189			
01/08/2017		183			
01/09/2017	113	162	119	12	90%
01/10/2017		187			
01/11/2017	98	164	105	12	89%
01/12/2017		173			
01/13/2017		197			
01/14/2017		180			
01/15/2017		164			
01/16/2017	152	187	157	15	90%
01/17/2017		195			
01/18/2017	112	189	122	13	89%
01/19/2017		195			
01/20/2017		180			
01/21/2017		162			
01/22/2017		183			
01/23/2017	70	170	81	15	81%
01/24/2017		163			
01/25/2017	125	150	128	12	91%
01/26/2017		203			
01/27/2017		178			
01/28/2017		193			
01/29/2017		202			
01/30/2017		173			
01/31/2017		184			
AVG	111	182	120	13	89%

DESIGN - 200 MGD

DATE	SWWPCP - JANUARY 2017					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
01/01/2017	18	99	11	128	210	
01/02/2017	26	153	14	193	309	0.40
01/03/2017	25	166	16	207	370	0.32
01/04/2017	20	110	11	141	164	0.01
01/05/2017	19	106	12	137	157	0.02
01/06/2017	18	109	12	139	167	0.06
01/07/2017	18	105	11	134	157	0.14
01/08/2017	19	107	12	138	164	
01/09/2017	18	110	10	138	161	
01/10/2017	19	126	13	158	326	
01/11/2017	21	156	14	191	308	0.37
01/12/2017	20	115	12	147	171	0.05
01/13/2017	19	110	12	141	165	T
01/14/2017	19	111	12	142	169	0.01
01/15/2017	19	109	12	140	166	
01/16/2017	19	109	10	138	164	
01/17/2017	22	158	16	196	343	0.15
01/18/2017	21	129	11	161	223	0.22
01/19/2017	20	129	11	160	180	
01/20/2017	20	146	12	178	290	0.16
01/21/2017	19	123	10	152	177	T
01/22/2017	20	139	11	170	250	0.17
01/23/2017	28	215	21	264	437	0.60
01/24/2017	25	158	14	197	253	0.17
01/25/2017	21	129	12	162	190	
01/26/2017	20	128	12	160	197	0.04
01/27/2017	19	120	11	150	176	
01/28/2017	19	120	11	150	182	T
01/29/2017	20	121	11	152	183	
01/30/2017	19	125	10	154	180	0.02
01/31/2017	18	122	9	149	174	
TOTAL	628	3,963	376	4,967		2.91
AVG	20	128	12	160		
		MIN		128	157	
		MAX		264	437	



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: **PHILA WATER DEPT**

ADDRESS: **1101 MARKET ST 4TH FLOOR, PHILADELPHIA PA, 19107-2994**

FACILITY: **PHILA WATER DEPT - SOUTHWEST WPC PLANT**

LOCATION: **8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153**

STAGE: **Final Effluent**

PA0026671
PERMIT NUMBER

001
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		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	***	***	***	4.4	6.2	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.9	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5528	6758	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	18.55	22.40	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	***	***	***	***	.610	.750	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	***	***	***	***	.609	1.050	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	***	***	***	***	21.85	24.80	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	***	***	***	***	.644	.903	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
Copper, Total	Sample Measurement	***	***	***	***	.0090	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.1480	***	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
Nickel, 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	***	***	***	***	.0380	***	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)

Selenium, Total	Sample Measurement	***	***	MGD	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***	24-Hr Composite	1/month	
Flow	Sample Measurement	160	264	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	Metered		Continuous	
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.17	.39	mg/L	Grab	1/day
	Permit Measurement	***	***		***	***	.5 Avg Mo		1.0 IMAX	Grab
Cyanide, Free	Sample Measurement	***	***	***	***	<.010	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		***	24-Hr Composite
Tetrachloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		***	Grab
Trichloroethylene	Sample Measurement	***	***	***	***	<.0010	***	mg/L	Grab	1/month
	Permit Measurement	***	***		***	***	Monitor & Report Avg Mo		***	Grab
Fecal Coliform	Sample Measurement	***	***	***	***	9	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	***	200 Geo Mean		***	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	5431	6357	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	***	25 Avg Mo		All Wkly Avg	24-Hr Composite
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	20369	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		***	24-Hr Composite
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	96.06	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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)**

NAME: **PHILA WATER DEPT**

ADDRESS: **1101 MARKET ST 4TH FLOOR, PHILADELPHIA PA, 19107-2994**

FACILITY: **PHILA WATER DEPT - SOUTHWEST WPC PLANT**

LOCATION: **8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153**

STAGE: **Final Effluent**

PA0026671

PERMIT NUMBER

101

OUTFALL NUMBER

Reporting 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? **Yes**

MONITORING PERIOD							
YEAR	MO	DAY		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		
pH	Sample Measurement	---	---	---	---	---	---	S.U.		
	Permit Measurement	---	---		Monitor & Report Inst Min	---	Monitor & Report MAX		Grab	Daily when Discharging
Flow	Sample Measurement	---	---	MGD	---	---	---	---		
	Permit Measurement	Monitor & Report Avg Mo	---		---	---	---		Estimate	1/discharge
Fecal Coliform	Sample Measurement	---	---	---	---	---	---	CFU/100 ml		
	Permit Measurement	---	---		---	---	Monitor & Report MAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	---	---	minutes	---	---	---	---		
	Permit Measurement	Monitor & Report Avg Mo	---		---	---	---		Estimate	1/discharge
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 SW-201701.xls	Daily Effluent Monitoring Form	2017-02-27T13:41:21-05:00	
WW NPDES Weekly - SW (02-24-2017).pdf	Laboratory Accreditation Form	2017-02-27T13:46:24-05:00	
SW Fecal Coliform Daily (02-24-2017).pdf	Laboratory Accreditation Form	2017-02-27T13:45:04-05:00	
SW Outfall Monthly Composite 1 & 2 (02-24-2017).pdf	Laboratory Accreditation Form	2017-02-27T13:45:37-05:00	
BLSSW201701.xls	Nutrient Monitoring Form	2017-02-27T13:42:05-05:00	
201701SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-02-27T13:43:57-05:00	
SWCSO 201701.xls	CSO Detailed Outfall Report Form	2017-02-27T13:43:18-05:00	

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
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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 note, there is no influent sample data for the 17th of the month due to the DELCORA sampler failure. The problem was corrected and there is no indication that the results of the 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		
SENSSM			AREA CODE	NUMBER	2017	2	27
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JANUARY 2017

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
01/04/2017	0.513	0.510	18.10	20.10	0.903
01/11/2017	0.750	0.464	22.40	24.80	0.872
01/18/2017	0.615	0.410	22.40	21.90	0.517
01/25/2017	0.561	1.050	11.30	20.60	0.285
AVG	0.610	0.609	18.55	21.85	0.644
MAX	0.750	1.050	22.40	24.80	0.903

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
01/05/2017	< 0.010		< 0.030

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	01/04/2017
Copper	0.0090
Iron	0.2120
Iron Dissolved	0.1480
Lead	< 0.0030
Nickel	0.0030
Selenium	< 0.0030
Zinc	0.0380

Organics Data (mg/L)

Southwest WPCP - Outfall

	01/02/2017
1,2-Dichloroethane	< 0.0010
Chloroform	< 0.0030
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010

File Name: 201612SL
 Print Date: 02/27/2017

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP				
JANUARY 2017	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT		
	Biosolids Recycle Center / Synagro			Biosolids Recycle Center / Synagro				
	From NEWPCP MGD	MGD			From SWWPCP 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		
TOTAL	23.171	23.139	2,262	35.522	35.440	2,941		
AVERAGE	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 - SW

Report Date: 02/21/2017

WW170118-027

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	15:13	21.9	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%.
-----	---------------------------------------------------------------------------------------

WW170125-027

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
TKN	SM 4500-Norg D	2/1/2017	14:45	2/3/2017	15:18	20.6	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%.
-----	---------------------------------------------------------------------------------------

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

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

SW Outfall Monthly Composite 1 & 2

Report Date: 02/21/2017

WW170104-027

Composite 24h 01/04/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Aroclor 1016 ^{B,D}	EPA 608	1/9/2017	18:00	1/10/2017	19:27	<0.40 ^E	µg/L	0.40	µg/L

Data Qualifiers:

Aroclor 1016	The recovery of the LCSD is 59%, which is outside the QC acceptance limits of 60-117%. Since the recovery is within the method limits of 50-114, the data is reported.
--------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------

WW170105-025

Composite 24h 01/05/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Phenols ^{B,D}	EPA 420.4			1/11/2017	1:52	<0.030 ^E	mg/L	0.030	mg/L


Data Qualifiers:

Phenols	Laboratory Fortified Matrix (LFM) recovery is 120%. 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: 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

SW Fecal Coliform Daily

Report Date: 02/21/2017

WW170121-023

Grab 01/21/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			1/22/2017	7:55	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

- 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



Debra A. McCarty, Water Commissioner

March 28, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Southwest 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 - SOUTHWEST WPC PLANT

Permit Number: PA0026671

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: 49349

Submission Status: Received

Submission Type: Original

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for February 2017

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET
 MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: **PHILA WATER DEPT**

ADDRESS: **1101 MARKET ST 4TH FLOOR, PHILADELPHIA PA, 19107-2994**

FACILITY: **PHILA WATER DEPT - SOUTHWEST WPC PLANT**

LOCATION: **8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153**

STAGE: **Final Effluent**

PA0026671
PERMIT NUMBER

001
OUTFALL NUMBER

Reorting 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		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	***	***	***	5.2	6.7	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.9	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5477	6002	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	25.55	32.00	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	***	***	***	***	.666	.749	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	***	***	***	***	.606	.701	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	***	***	***	***	28.13	30.80	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	***	***	***	***	.402	.424	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
Copper, Total	Sample Measurement	***	***	***	***	.0090	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0750	***	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
Nickel, Total	Sample Measurement	***	***	***	***	.0040	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0470	***	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)

Selenium, Total	Sample Measurement					<.0030	mg/L	24-Hr Composite	1/month
	Permit Measurement					Monitor & Report Avg Mo		24-Hr Composite	1/month
Flow	Sample Measurement	148	214	MGD				Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max					Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement					.17 .35	mg/L	Grab	1/day
	Permit Measurement					.5 Avg Mo 1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement					<.010	mg/L	24-Hr Composite	1/month
	Permit Measurement					Monitor & Report Avg Mo		24-Hr Composite	1/month
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					9	CFU/100 ml	Grab	1/day
	Permit Measurement					200 Geo Mean		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	5100	5807	lbs/day		4 5	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg			25 Avg Mo Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	16569		lbs/day				24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo						24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement					95.96	%	24-Hr Composite	1/day
	Permit Measurement					89.25		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)**

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST 4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671
PERMIT NUMBER

101
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? Yes

MONITORING PERIOD							
YEAR	MO	DAY		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		
pH	Sample Measurement	---	---	---	---	---	---	S.U.		
	Permit Measurement	---	---		Monitor & Report Inst Min	---	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	---	---	MGD	---	---	---	---		
	Permit Measurement	Monitor & Report Avg Mo	---		---	---	---		Estimate	1/dischARGE
Fecal Coliform	Sample Measurement	---	---	---	---	---	---	CFU/100 ml		
	Permit Measurement	---	---		---	---	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	---	---	minutes	---	---	---	---		
	Permit Measurement	Monitor & Report Avg Mo	---		---	---	---		Estimate	1/dischARGE
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
SW Outfall Monthly Composite (03-21-2017).pdf	Laboratory Accreditation Form	2017-03-24T15:03:58-04:00	
WW NPDES Weekly - SW (03-21-2017).pdf	Laboratory Accreditation Form	2017-03-24T15:04:28-04:00	
201702SL.xls Feb 17.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-03-27T15:27:38-04:00	
BLSSW201702.xls	Nutrient Monitoring Form	2017-03-24T15:02:05-04:00	
SWCSO 201702.xls	CSO Detailed Outfall Report Form	2017-03-24T15:02:31-04:00	
E-NPDES SW-201702.xls	Daily Effluent Monitoring Form	2017-03-24T15:01:24-04:00	
SW Daily Composite (03-21-2017).pdf	Laboratory Accreditation Form	2017-03-24T15:03:02-04:00	
SW Fecal Coliform Daily (03-21-2017).pdf	Laboratory Accreditation Form	2017-03-24T15:03:29-04:00	

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 note that there is no influent sampler data for the East High level on 2/27/17 due to sampler failure. The problem was corrected and 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	2017	3	27
			AREA CODE	NUMBER	YEAR	MO	DAY
SENSSM		SUBMITTED BY FULL NAME					

PERMIT

SWWPCP - FEBRUARY 2017

COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	Suspended Solids eff (mg/l)	SS% REM	SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
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Su	01/29/2017	152	146	3	98	3,803		132	3	97.72		3,803		
M	01/30/2017	154	172	4	98	5,137		97	3	96.90		3,853		
T	01/31/2017	149	144	4	97	4,971		100	3	97.00		3,728		
W	02/01/2017	139	166	3	98	3,478		103	3	97.10		3,478		14
Th	02/02/2017	139	221	4	98	4,637		106	4	96.21		4,637		
F	02/03/2017	137	119	2	98	2,285		115	3	97.39		3,428		14
S	02/04/2017	138	196	4	98	4,604		118	3	97.47		3,453		
Su	02/05/2017	142	156	4	97	4,737		122	4	96.71		4,737		
M	02/06/2017	138	137	2	99	2,302		104	5	95.17		5,755		16
T	02/07/2017	153	238	8	97	10,230		100	4	95.98		5,115		
W	02/08/2017	144	157	4	97	4,804		107	5	95.33		6,005		14
Th	02/09/2017	214	119	6	95	10,709		82	5	93.90		8,924		
F	02/10/2017	147	129	3	98	3,678		85	4	95.27		4,904		
S	02/11/2017	147	120	2	98	2,452		98	3	96.95		3,678		
Su	02/12/2017	188	160	5	97	7,840		97	4	95.88		6,272		
M	02/13/2017	143	119	6	95	7,156		115	4	96.51		4,770		14
T	02/14/2017	143	229	4	98	4,770		104	5	95.18		5,963		
W	02/15/2017	143	146	3	98	3,578		136	5	96.31		5,963		16
Th	02/16/2017	147	125	4	97	4,904		107	4	96.28		4,904		
F	02/17/2017	137	162	6	96	6,855		105	5	95.26		5,713		
S	02/18/2017	141	136	4	97	4,704		92	5	94.54		5,880		
Su	02/19/2017	142	144	5	97	5,921		98	4	95.92		4,737		
M	02/20/2017	143	176	2	99	2,386		95	3	96.83		3,579		10
T	02/21/2017	143	171	7	96	8,348		97	5	94.86		5,963		
M	02/22/2017	139	209	4	98	4,637		94	6	93.62		6,956		15
Th	02/23/2017	139	182	4	98	4,637		112	4	96.43		4,637		
F	02/24/2017	137	137	5	96	5,713		112	2	98.21		2,285		
S	02/25/2017	176	157	5	97	7,328		122	7	94.24		10,260		
Su	02/26/2017	143	133	6	95	7,156		84	4	95.23		4,770		
M	02/27/2017	140	NS	6	ND	6,987		NS	3	ND		3,493		
T	02/28/2017	155	223	7	97	9,030		91	5	94.48		6,450		

TOTAL	4,591	4,829	136					3,127	127					
AVERAGE	148	161	4	97		5,477		104	4	95.96		5,100		14

Wk1	143	168	4			4,264		109	3			3,902		
Wk2	162	151	4			6,002		96	4			5,807		
Wk3	142	152	5			5,413		108	5			5,419		
Wk4	146	166	5			5,744		102	4			5,493		

MAX	214
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CBOD 20 LBS----	16,569
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - FEBRUARY 2017

GRAB SAMPLES

Date	FLOW (MGD)	pH EFF	DISSOLVED OXYGEN (mg/l)	CHLORINE RESIDUAL (mg/l)	FECAL COLIFORM (MPN / 100mL)
W 02/01/2017	139	7.0	6.9	0.12	2
Th 02/02/2017	139	7.0	6.3	0.10	3
F 02/03/2017	137	6.9	6.6	0.11	2
S 02/04/2017	138	7.0	7.1	0.17	1
Su 02/05/2017	142	7.0	6.7	0.19	4
M 02/06/2017	138	7.0	5.2	0.10	7
T 02/07/2017	153	7.1	5.4	0.16	3
W 02/08/2017	144	7.0	6.2	0.15	28
Th 02/09/2017	214	6.9	6.2	0.35	36
F 02/10/2017	147	6.9	7.3	0.26	10
S 02/11/2017	147	7.0	7.1	0.09	> 2,420
Su 02/12/2017	188	7.0	6.8	0.17	24
M 02/13/2017	143	6.9	5.9	0.18	12
T 02/14/2017	143	7.0	7.0	0.27	1
W 02/15/2017	143	7.0	8.5	0.12	3
Th 02/16/2017	147	7.0	7.4	0.14	6
F 02/17/2017	137	7.0	6.9	0.11	6
S 02/18/2017	141	7.0	6.7	0.11	4
Su 02/19/2017	142	7.0	6.2	0.18	4
M 02/20/2017	143	7.1	6.5	0.21	4
T 02/21/2017	143	7.1	6.6	0.17	4
M 02/22/2017	139	7.0	7.3	0.13	2
Th 02/23/2017	139	7.0	6.6	0.15	1
F 02/24/2017	137	6.9	6.8	0.21	27
S 02/25/2017	176	7.0	6.4	0.17	158
Su 02/26/2017	143	7.0	6.3	0.23	133
M 02/27/2017	140	7.1	6.7	0.18	72
T 02/28/2017	155	7.0	6.9	0.22	47
Total Avg	4,591 148	MIN 6.9 MAX 7.1	MIN 5.2 AVG 6.7	AVG 0.17 MAX 0.35	MEAN 9

Wk1 143
Wk2 162
Wk3 142
Wk4 146

NPDES/
LIMIT

EFFLUENT
MIN 6.0
MAX 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - FEBRUARY 2017

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
02/01/2017	18	112	208	160	166	160	95	103
02/02/2017	18	111	228	220	221	170	96	106
02/03/2017	18	109	192	108	119	187	104	115
02/04/2017	19	109	220	192	196	190	107	118
02/05/2017	19	111	236	144	156	203	109	122
02/06/2017	18	109	168	132	137	161	95	104
02/07/2017	18	121	136	252	238	156	92	100
02/08/2017	18	116	192	152	157	164	99	107
02/09/2017	23	175	212	108	119	165	72	82
02/10/2017	18	118	192	120	129	132	78	85
02/11/2017	19	118	172	112	120	141	92	98
02/12/2017	22	152	164	160	160	159	89	97
02/13/2017	19	114	168	112	119	126	113	115
02/14/2017	19	115	232	228	229	180	92	104
02/15/2017	19	115	184	140	146	192	127	136
02/16/2017	19	118	216	112	125	144	102	107
02/17/2017	18	109	200	156	162	141	100	105
02/18/2017	18	111	220	124	136	164	81	92
02/19/2017	18	114	200	136	144	153	90	98
02/20/2017	18	114	200	172	176	154	86	95
02/21/2017	18	114	220	164	171	162	88	97
02/22/2017	18	111	188	212	209	141	87	94
02/23/2017	18	112	196	180	182	153	106	112
02/24/2017	17	111	228	124	137	182	102	112
02/25/2017	20	142	164	156	157	188	113	122
02/26/2017	19	113	188	124	133	148	74	84
02/27/2017	18	109	188	NS	NS	133	NS	NS
02/28/2017	18	123	308	212	223	148	83	91
AVG	19	118	201	156	162	161	95	104

PERMIT

SWWPCP - FEBRUARY 2017

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
02/01/2017	110	170	118	19	84%
02/02/2017		182			
02/03/2017	111	199	123	11	91%
02/04/2017		202			
02/05/2017		218			
02/06/2017	125	185	133	19	86%
02/07/2017		189			
02/08/2017	109	183	118		
02/09/2017		182			
02/10/2017		161			
02/11/2017		153			
02/12/2017		190			
02/13/2017	124	166	130	11	92%
02/14/2017		204			
02/15/2017	136	207	145	23	84%
02/16/2017		157			
02/17/2017		153			
02/18/2017		188			
02/19/2017		176			
02/20/2017	116	173	123	14	89%
02/21/2017		184			
02/22/2017	122	178	129	17	87%
02/23/2017		181			
02/24/2017		195			
02/25/2017		190			
02/26/2017		160			
02/27/2017		170			
02/28/2017		158			
AVG	119	181	127	16	87%

DESIGN - 200 MGD

DATE	SWWPCP - FEBRUARY 2017					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
02/01/2017	18	112	9	139	160	
02/02/2017	18	111	10	139	162	
02/03/2017	18	109	10	137	159	
02/04/2017	19	109	10	138	164	
02/05/2017	19	111	12	142	173	
02/06/2017	18	109	11	138	163	
02/07/2017	18	121	14	153	238	0.04
02/08/2017	18	116	10	144	335	T
02/09/2017	23	175	16	214	322	0.54
02/10/2017	18	118	11	147	181	
02/11/2017	19	118	10	147	193	
02/12/2017	22	152	14	188	327	0.21
02/13/2017	19	114	10	143	154	
02/14/2017	19	115	9	143	168	
02/15/2017	19	115	9	143	169	
02/16/2017	19	118	10	147	164	
02/17/2017	18	109	10	137	166	
02/18/2017	18	111	12	141	173	
02/19/2017	18	114	10	142	165	
02/20/2017	18	114	11	143	172	
02/21/2017	18	114	11	143	168	
02/22/2017	18	111	10	139	166	T
02/23/2017	18	112	9	139	163	
02/24/2017	17	111	9	137	164	
02/25/2017	20	142	14	176	326	0.33
02/26/2017	19	113	11	143	176	
02/27/2017	18	109	13	140	170	
02/28/2017	18	123	14	155	278	0.18
TOTAL	522	3,305	309	4,136		1.30
AVG	19	118	11	148		
		MIN		137	154	
		MAX		214	335	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF FEBRUARY 2017

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
02/01/2017	0.668	0.556	32.00	26.00	0.345
02/09/2017	0.616	0.564	27.20	30.70	0.423
02/15/2017	0.632	0.601	24.00	25.00	0.424
02/22/2017	0.749	0.701	19.00	30.80	0.415
AVG	0.666	0.606	25.55	28.13	0.402
MAX	0.749	0.701	32.00	30.80	0.424

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
02/01/2017		< 0.010	
02/02/2017	< 0.010		< 0.030

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	02/08/2017
Copper	0.0090
Iron	0.1710
Iron Dissolved	0.0750
Lead	< 0.0030
Nickel	0.0040
Selenium	< 0.0030
Zinc	0.0470

Organics Data (mg/L)

Southwest WPCP - Outfall

	02/06/2017
1,2-Dichloroethane	< 0.0010
Chloroform	< 0.0030
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010

WW NPDES Weekly - SW

Report Date: 03/21/2017

WW170201-027

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	26	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%.
-----	--------------------------------------------------------------------------------------

WW170215-002

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	2/15/2017	11:25	2/22/2017	12:48	25	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%.
-----	--------------------------------------------------------------------------------------

WW170222-031

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	10:53	30.8	mg/L as N	1	mg/L as N

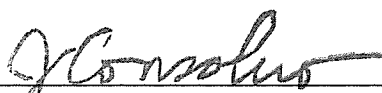
Data Qualifiers:

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

SW Outfall Monthly Composite

Report Date: 03/21/2017

WW170208-027

Composite 02/08/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
TKN	SM 4500-Norg D	2/15/2017	11:25	2/22/2017	12:32	30.7	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%.
-----	--------------------------------------------------------------------------------------

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

SW Fecal Coliform Daily

Report Date: 03/21/2017

WW170211-023

Grab 02/11/2017 06:30

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			2/12/2017	7:40	>2419.6	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	Chlorinator pump down.
-------------------------------------------	------------------------

WW170217-023

Grab 02/17/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			2/18/2017	7:49	6.2	MPN/100 mL	<1	MPN/100 mL

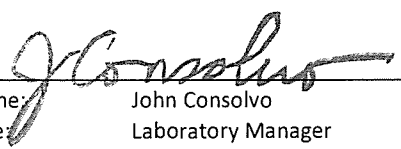
Data Qualifiers:

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.
-------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------

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

SW Daily Composite

Report Date: 03/21/2017

WW170227-016

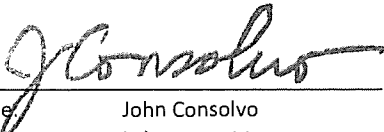
Composite 24h 02/27/2017 06:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
CBOD5	NA			1/1/2000	0:00	NS	mg/L		mg/L

Data Qualifiers:

CBOD5	Autosampler malfunction
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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 Southwest 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 - SOUTHWEST WPC PLANT

Permit Number: PA0026671

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: 52551

Submission Status: Received

Submission Type: Revision

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for March 2017

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

PERMIT

SWWPCP - MARCH 2017

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			
W 03/01/2017	136	126	5	96		5,671		114	5	95.62		5,671		13
Th 03/02/2017	133	ND	12	ND		13,311		ND	5	ND		5,546		
F 03/03/2017	130	275	6	98		6,505		101	4	96.03		4,337		11
S 03/04/2017	130	163	4	98		4,337		157	4	97.46		4,337		
Su 03/05/2017	133	146	2	99		2,218		122	3	97.55		3,328		
M 03/06/2017	133	174	4	98		4,437		135	6	95.56		6,655		16
T 03/07/2017	134	222	4	98		4,470		129	2	98.45		2,235		
W 03/08/2017	132	281	4	99		4,404		110	2	98.18		2,202		9
Th 03/09/2017	124	196	4	98		4,128		125	2	98.40		2,064		
F 03/10/2017	183	252	5	98		7,631		107	3	97.21		4,579		
S 03/11/2017	124	205	3	99		3,102		86	3	96.50		3,102		
Su 03/12/2017	136	218	5	98		5,671		105	3	97.14		3,403		
M 03/13/2017	136	225	9	96		10,208		132	4	96.97		4,537		
T 03/14/2017	201	114	3	97		5,029		105	2	98.10		3,353		
W 03/15/2017	144	125	3	98		3,603		113	2	98.23		2,402		11
Th 03/16/2017	164	189	5	97		6,839		100	4	95.98		5,471		
F 03/17/2017	195	180	3	98		4,885		88	3	96.60		4,885		9
S 03/18/2017	221	152	4	97		7,373		73	3	95.91		5,529		
Su 03/19/2017	206	128	4	97		6,872		89	2	97.76		3,436		
M 03/20/2017	170	142	3	98		4,253		89	3	96.62		4,253		10
T 03/21/2017	167	127	3	98		4,178		95	4	95.81		5,571		
M 03/22/2017	156	144	3	98		3,903		118	2	98.30		2,602		8
Th 03/23/2017	152	178	3	98		3,803		91	4	95.62		5,071		
F 03/24/2017	153	165	2	99		2,552		100	2	98.00		2,552		
S 03/25/2017	157	171	4	98		5,238		77	4	94.80		5,238		
Su 03/26/2017	150	179	3	98		3,753		115	3	97.39		3,753		
M 03/27/2017	168	228	3	99		4,203		130	6	95.38		8,407		15
T 03/28/2017	216	116	4	97		7,206		90	4	95.54		7,206		
W 03/29/2017	147	181	4	98		4,904		119	3	97.48		3,678		10
Th 03/30/2017	174	178	4	98		5,805		105	2	98.09		2,902		
F 03/31/2017	342	121	7	94		19,966		103	5	95.12		14,261		
S 04/01/2017	186	140	5	96		7,748		88	2	97.73		3,099		
TOTAL	5,047	5,302	132					3,223	104					
AVERAGE	163	177	4	98		5,821		107	3	96.86		4,599		11

Wk1	138	211	4		4,342		116	3		4,091
Wk2	171	172	5		6,230		102	3		3,348
Wk3	166	151	3		4,400		94	3		4,536
Wk4	198	163	4		7,655		107	4		5,129

MAX 342

CBOD 20 LBS---- 14,161

NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT---- <35,830

* ACTUAL PERCENT 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

SWWPCP - MARCH 2017

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
W	03/01/2017	136		7.0		6.2		0.09	248
Th	03/02/2017	133		7.0		5.7		0.09	74
F	03/03/2017	130		7.1		8.3		0.15	12
S	03/04/2017	130		7.0		9.2		0.20	4
Su	03/05/2017	133		7.0		6.9		0.23	4
M	03/06/2017	133		7.0		7.0		0.18	3
T	03/07/2017	134		7.0		8.0		0.20	4
W	03/08/2017	132		7.1		6.8		0.23	3
Th	03/09/2017	124		6.9		6.2		0.23	8
F	03/10/2017	183		7.0		5.3		0.23	20
S	03/11/2017	124		7.0		6.0		0.28	10
Su	03/12/2017	136		7.0		5.6		0.21	8
M	03/13/2017	136		7.0		5.6		0.20	9
T	03/14/2017	201		7.0		4.8		0.16	15
W	03/15/2017	144		7.1		6.8		0.28	16
Th	03/16/2017	164		7.1		7.1		0.21	15
F	03/17/2017	195		7.0		7.7		0.41	1
S	03/18/2017	221		7.0		6.4		0.24	3
Su	03/19/2017	206		7.0		7.3		0.30	1
M	03/20/2017	170		7.0		5.6		0.29	4
T	03/21/2017	167		7.1		6.3		0.22	2
M	03/22/2017	156		7.0		6.7		0.28	3
Th	03/23/2017	152		7.1		6.5		0.31	4
F	03/24/2017	153		7.0		6.5		0.25	3
S	03/25/2017	157		7.0		5.7		0.26	7
Su	03/26/2017	150		7.0		4.9		0.19	28
M	03/27/2017	168		7.0		4.8		0.19	11
T	03/28/2017	216		7.0		4.7		0.17	15
W	03/29/2017	147		7.1		6.2		0.29	3
Th	03/30/2017	174		7.0		7.3		0.21	5
F	03/31/2017	342		7.1		7.6		0.26	44
Total Avg		5,047 163	MIN 6.9	MAX 7.1	MIN 4.7	AVG 6.4	AVG 0.23	MAX 0.41	MEAN 7

Wk1 138
Wk2 171
Wk3 166
Wk4 198

NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - MARCH 2017

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
03/01/2017	18	107	216	112	126	148	109	114
03/02/2017	18	104	232	ND	ND	159	ND	ND
03/03/2017	17	103	272	276	275	159	92	101
03/04/2017	18	102	204	156	163	196	151	157
03/05/2017	18	105	236	132	146	183	113	122
03/06/2017	18	105	160	176	174	200	125	135
03/07/2017	18	107	212	224	222	169	123	129
03/08/2017	17	105	236	288	281	150	104	110
03/09/2017	13	101	228	192	196	183	118	125
03/10/2017	20	150	248	252	252	152	102	107
03/11/2017	17	97	264	196	205	147	76	86
03/12/2017	19	107	232	216	218	171	94	105
03/13/2017	18	109	208	228	225	191	123	132
03/14/2017	26	158	180	104	114	133	101	105
03/15/2017	20	112	228	108	125	145	108	113
03/16/2017	20	131	224	184	189	168	90	100
03/17/2017	22	158	176	180	180	138	82	88
03/18/2017	25	181	184	148	152	146	64	73
03/19/2017	27	165	180	120	128	123	84	89
03/20/2017	24	134	152	140	142	124	83	89
03/21/2017	23	133	172	120	127	129	90	95
03/22/2017	21	123	196	136	144	150	113	118
03/23/2017	20	122	168	180	178	127	86	91
03/24/2017	20	123	200	160	165	140	94	100
03/25/2017	20	126	192	168	171	138	68	77
03/26/2017	20	118	224	172	179	152	109	115
03/27/2017	20	134	232	228	228	165	125	130
03/28/2017	27	171	168	108	116	143	82	90
03/29/2017	21	115	164	184	181	161	112	119
03/30/2017	22	136	164	180	178	178	94	105
03/31/2017	53	253	172	112	121	89	105	103
04/01/2017								
AVG	21	129	204	173	177	153	101	107

PERMIT

SWWPCP - MARCH 2017

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
03/01/2017	126	149	129	13	90%
03/02/2017		198			
03/03/2017	125	195	134	14	90%
03/04/2017		249			
03/05/2017		200			
03/06/2017	147	231	158	10	94%
03/07/2017		194			
03/08/2017	156	162	157	18	89%
03/09/2017		193			
03/10/2017		178			
03/11/2017		167			
03/12/2017		181			
03/13/2017	140	203	148	12	92%
03/14/2017		183			
03/15/2017	119	183	128	10	92%
03/16/2017		199			
03/17/2017		186			
03/18/2017		155			
03/19/2017		142			
03/20/2017	98	141	104	11	89%
03/21/2017		159			
03/22/2017	117	162	123	18	85%
03/23/2017		152			
03/24/2017		152			
03/25/2017		163			
03/26/2017		201			
03/27/2017	142	183	147	15	90%
03/28/2017		169			
03/29/2017	117	164	124	17	86%
03/30/2017		187			
03/31/2017		113			
AVG	129	177	135	14	90%

DESIGN - 200 MGD

SWWPCP - MARCH 2017						
DATE	TRIPLE			PEAK		RAIN
	Delcora	GRAVITY/HLL	LLE	SW TOTAL	FLOW	
03/01/2017	18	107	11	136	155	0.03
03/02/2017	18	104	11	133	155	T
03/03/2017	17	103	10	130	153	T
03/04/2017	18	102	10	130	158	
03/05/2017	18	105	10	133	161	
03/06/2017	18	105	10	133	155	
03/07/2017	18	107	9	134	179	0.02
03/08/2017	17	105	10	132	155	0.01
03/09/2017	13	101	10	124	152	
03/10/2017	20	150	13	183	288	0.30
03/11/2017	17	97	10	124	167	
03/12/2017	19	107	10	136	163	
03/13/2017	18	109	9	136	150	0.13
03/14/2017	26	158	17	201	285	1.54
03/15/2017	20	112	12	144	166	T
03/16/2017	20	131	13	164	230	
03/17/2017	22	158	15	195	317	
03/18/2017	25	181	15	221	292	0.01
03/19/2017	27	165	14	206	300	
03/20/2017	24	134	12	170	195	
03/21/2017	23	133	11	167	187	0.02
03/22/2017	21	123	12	156	180	
03/23/2017	20	122	10	152	179	
03/24/2017	20	123	10	153	186	
03/25/2017	20	126	11	157	186	0.02
03/26/2017	20	118	12	150	182	
03/27/2017	20	134	14	168	303	0.09
03/28/2017	27	171	18	216	373	0.45
03/29/2017	21	115	11	147	167	
03/30/2017	22	136	16	174	348	0.11
03/31/2017	53	253	36	342	490	1.53
TOTAL	660	3,995	392	5,047		4.26
AVG	21	129	13	163		
			MIN	124	150	
			MAX	342	490	



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME:

PHILA WATER DEPT

ADDRESS:

1101 MARKET ST4TH FLOOR, PHILADELPHIA PA,
19107-2994

FACILITY:

PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION:

8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE:

Final Effluent

PA0026671

PERMIT NUMBER

001

OUTFALL NUMBER

Reorting 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		YEAR	MO	DAY
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	***	***	***	4.7	6.4	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.9	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5821	7655	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	23.93	28.40	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	***	***	***	***	.632	.768	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	***	***	***	***	.440	.587	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	***	***	***	***	22.68	30.30	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	***	***	***	***	.362	.600	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	***	***	***	***	.0023	***	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
Copper, Total	Sample Measurement	***	***	***	***	.0063	***	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
Nickel, Total	Sample Measurement	***	***	***	***	.0033	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0387	***	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)

Selenium, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	163	342	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.23	.41	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement	***	***	***	***	<.012	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
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	***	***	***	***	7	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4599	5129	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	14161	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	96.86	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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)

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

PERMIT NUMBER

101

OUTFALL NUMBER

Reorting 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? Yes

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2017	03	01	TO	2017	03	31

FROM

TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
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
SW Fecal Coliform Daily (04-21-2017).pdf	Laboratory Accreditation Form	2017-04-27T11:17:32-04:00	
E-NPDES SW-201703.xls	Daily Effluent Monitoring Form	2017-04-27T11:05:42-04:00	
SWCSO 201703.xls	CSO Detailed Outfall Report Form	2017-04-27T11:06:39-04:00	
SW WET Testing Composite (04-21-2017).pdf	Laboratory Accreditation Form	2017-04-27T11:18:04-04:00	
201702SL.xls Mar 17.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-04-27T11:07:07-04:00	
SW WET Testing Grab (04-21-2017).pdf	Laboratory Accreditation Form	2017-04-27T11:18:31-04:00	
WW NPDES Weekly - SW (04-21-2017).pdf	Laboratory Accreditation Form	2017-04-27T11:18:57-04:00	
BLSSW201703.xls	Nutrient Monitoring Form	2017-04-27T11:45:43-04:00	Several of the averages were calculated incorrectly in the first version of this form in the Organics Data section. This is the corrected version.

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
	Mary Ellen Senss	S12300	215-682-6258

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	6	5
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO

Central Laboratory

[illegible]

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF MARCH 2017

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

3/20/2017

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

File Name: 201703SL
 Print Date: 04/26/2017

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP		
MARCH 2017	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
03/01/2017	0.910	0.590	47	1.553	1.968	190.0
03/02/2017	-	0.900	70	1.263	1.246	109.6
03/03/2017	0.910	0.850	72	1.113	1.059	88.3
03/04/2017	0.920	0.500	48	1.589	1.566	131.8
03/05/2017	0.930	1.450	139	0.331	0.313	22.7
03/06/2017	0.930	0.690	68	1.252	1.188	93.5
03/07/2017	0.890	0.730	73	0.933	1.111	90.3
03/08/2017	0.920	0.450	49	1.480	1.684	140.6
03/09/2017	-	0.840	71	1.201	1.133	86.9
03/10/2017	0.920	0.850	71	1.198	1.131	82.0
03/11/2017	0.920	0.480	46	1.829	1.887	186.3
03/12/2017	0.860	0.670	59	0.973	0.972	77.7
03/13/2017	-	0.620	46	0.895	0.748	59.0
03/14/2017	0.900	0.890	72	0.697	0.704	51.8
03/15/2017	0.900	0.220	17	1.942	2.074	163.5
03/16/2017	0.940	1.720	144	0.105	0.000	0.0
03/17/2017	0.910	0.550	49	1.479	1.528	127.8
03/18/2017	0.910	1.270	101	1.074	1.042	78.1
03/19/2017	0.890	0.240	18	1.964	1.988	158.1
03/20/2017	0.910	1.190	110	0.454	0.736	49.8
03/21/2017	-	0.220	20	0.984	0.583	40.4
03/22/2017	0.890	0.860	74	1.124	1.170	83.7
03/23/2017	0.900	0.620	49	0.922	0.877	71.0
03/24/2017	0.900	0.490	45	1.043	0.987	68.1
03/25/2017	0.890	1.040	78	1.222	1.046	82.1
03/26/2017	0.890	1.490	122	1.243	1.115	76.7
03/27/2017	0.900	0.110	8	2.420	2.157	186.7
03/28/2017	-	0.520	39	0.724	0.338	22.8
03/29/2017	0.911	0.844	77	1.349	1.470	105.8
03/30/2017	0.887	1.292	114	1.267	1.442	131.7
03/31/2017	0.864	0.933	101	1.271	1.367	142.3
TOTAL	23.502	24.119	2,097	36.894	36.630	2,999
AVERAGE	0.904	0.778	68	1.190	1.182	97



Debra A. McCarty, Water Commissioner

April 28, 2017

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Southwest 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 - SOUTHWEST WPC PLANT

Permit Number: PA0026671

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: 52548

Submission Status: Received

Submission Type: Original

Central Laboratory

[illegible]

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF MARCH 2017

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

3/20/2017

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 ST 4TH FLOOR, PHILADELPHIA PA, 19107-2994**

FACILITY: **PHILA WATER DEPT - SOUTHWEST WPC PLANT**

LOCATION: **8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153**

STAGE: **Final Effluent**

PA0026671
PERMIT NUMBER

001
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		YEAR	MO	DAY	
FROM 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	***	***	***	***	***	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	***	***	***	***	<.0004700	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
alpha-Endosulfan	Sample Measurement	***	***	***	***	<.0000094	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Benzidine	Sample Measurement	***	***	***	***	.0573	***	mg/L	Grab	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/quarter
4,4-DDT	Sample Measurement	***	***	***	***	<.0000190	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDD	Sample Measurement	***	***	***	***	<.0000190	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDE	Sample Measurement	***	***	***	***	<.0000190	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
beta-BHC	Sample Measurement	***	***	***	***	<.0000094	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
gamma-BHC (Lindane)	Sample Measurement	***	***	***	***	<.0000094	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Dieldrin	Sample Measurement	***	***	***	***	<.0000190	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Heptachlor	Sample Measurement	***	***	***	***	<.0000190	***	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
SW WET Testing Composite (04-21-2017).pdf	Laboratory Accreditation Form	2017-04-27T11:36:44-04:00	
BLSSW201703.xls	WET Test Summary Report	2017-04-27T11:37:27-04:00	
SW WET Testing Grab (04-21-2017).pdf	Laboratory Accreditation Form	2017-04-27T11:36:21-04:00	

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		
			AREA CODE	NUMBER	2017	4	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

WW NPDES Weekly - SW

Report Date: 04/21/2017

WW170301-031

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	10:57	30.3	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: 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

SW WET Testing Grab

Report Date: 04/21/2017

WW170319-024

Grab 03/19/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Trichloroethene ^D	EPA 624			3/27/2017	20:47	<1 ^E		1	

Data Qualifiers:

Trichloroethene	The unspiked result was more than four times the spike added. Laboratory Fortified Matrix recovery is 129%. Acceptance limits are 80 - 120%. The Relative Percent Difference(RPD) between the matrix and matrix duplicate is 31%. The measured results were 85 and 129 µg/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:

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

SW WET Testing Composite

Report Date: 04/21/2017

WW170315-031

Composite 24h 03/15/2017 00:59

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Hexachlorocyclopentadiene ^{B,D}	EPA 625	3/20/2017	8:00	3/21/2017	2:59	<14 ^E	µg/L	14	µg/L
Phenols ^{B,D}	EPA 420.4			3/30/2017	5:39	<0.030 ^E	mg/L	0.030	mg/L

Data Qualifiers:

Hexachlorocyclopentadiene	The recovery of 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.
Phenols	Laboratory Fortified Matrix (LFM) recovery is 115%. Acceptance limits are 90 to 110%.

WW170317-024

Composite 24h 03/17/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
2-Chloronaphthalene ^{B,D}	EPA 625	3/22/2017	7:00	3/22/2017	20:41	<5 ^E	µg/L	5	µg/L
CBOD5 ^{B,D}	SM 5210 B	3/17/2017	13:10	3/22/2017	9:15	<2.00 ^E	mg/L	2	mg/L

Data Qualifiers:

2-Chloronaphthalene	The Relative Percent Difference (RPD) between the sample and sample duplicate is 46%. The maximum acceptable RPD is 30%. The measured results were 80 and 129 µg/L.
CBOD5	LFB recovery is 165.50 mg/L. Acceptance limits are 167.5 to 228.5 mg/L.

WW170320-025

Composite 24h 03/20/2017 06:15

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
2-Chloronaphthalene ^{B,D}	EPA 625	3/22/2017	7:00	3/23/2017	0:02	<5 ^E	µg/L	5	µg/L
Phenols ^{B,D}	EPA 420.4			3/30/2017	5:47	<0.030 ^E	mg/L	0.030	mg/L

Data Qualifiers:

2-Chloronaphthalene	The Relative Percent Difference (RPD) between the sample and sample duplicate is 46%. The maximum acceptable RPD is 30%. The measured results were 80 and 129 µg/L.
Phenols	Laboratory Fortified Matrix (LFM) recovery is 115%. 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.

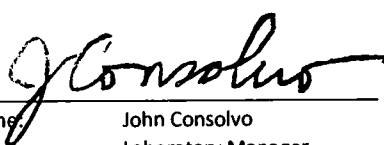
C - Results not meeting the requirements of PA 25 § 252.401

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: _____

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

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

SW Fecal Coliform Daily

Report Date: 04/21/2017

WW170316-023

Grab 03/16/2017 06:50

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	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 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.
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WW170317-023

Grab 03/17/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			3/18/2017	8:13	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 0.602. 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.
-------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

WW170324-023

Grab 03/24/2017 06:30


Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			3/25/2017	7:50	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 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

- 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 Southwest 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 - SOUTHWEST WPC PLANT

Permit Number: PA0026671

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: 55354

Submission Status: Received

Submission Type: Original

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for April 2017

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET
 MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

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	TO	2017	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	***	***	***	4.2	6.0	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	7.0	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5604	6234	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	18.93	26.20	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	***	***	***	***	.579	.612	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	***	***	***	***	.531	.645	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	***	***	***	***	20.25	23.50	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	***	***	***	***	.263	.318	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	***	***	***	***	.0040	***	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
Copper, Total	Sample Measurement	***	***	***	***	.0090	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.1200	***	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
Nickel, Total	Sample Measurement	***	***	***	***	.0040	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0390	***	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)

Selenium, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	166	262	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.20	.35	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement	***	***	***	***	<.010	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
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	***	***	***	***	9	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4385	4620	lbs/day	***	3	3	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	12769	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	96.76	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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)

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

PERMIT NUMBER

101

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? Yes

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2017	04	01	TO	2017	04	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
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
SW Fecal Coliform Daily (05-24-2017).pdf	Laboratory Accreditation Form	2017-05-25T09:06:47-04:00	
WW NPDES Weekly - SW (05-22-2017).pdf	Laboratory Accreditation Form	2017-05-25T09:07:13-04:00	
201704SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-05-25T09:06:11-04:00	
E-NPDES SW-201704.xls	Daily Effluent Monitoring Form	2017-05-25T09:04:19-04:00	
BLSSW201704.xls	Nutrient Monitoring Form	2017-05-25T09:04:48-04:00	
SWCSO 201704.xls	CSO Detailed Outfall Report Form	2017-05-25T09:05:42-04:00	

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	5	25
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

PERMIT

SWWPCP - APRIL 2017

COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	Suspended Solids eff (mg/l)	SS% REM	SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
S	04/01/2017	186	140	5	96	7,756		88	2	97.72		3,102		
Su	04/02/2017	162	133	3	98	4,053		115	2	98.26		2,702		
M	04/03/2017	185	193	5	97	7,715		99	4	95.95		6,172		10
T	04/04/2017	178	133	3	98	4,454		94	3	96.82		4,454		
W	04/05/2017	156	205	4	98	5,204		79	2	97.48		2,602		8
Th	04/06/2017	262	175	7	96	15,296		85	4	95.30		8,740		
F	04/07/2017	179	145	2	99	2,986		80	2	97.50		2,986		
S	04/08/2017	157	154	3	98	3,928		106	3	97.16		3,928		
Su	04/09/2017	159	132	4	97	5,304		120	3	97.49		3,978		
M	04/10/2017	155	204	8	96	10,342		126	3	97.61		3,878		10
T	04/11/2017	157	217	3	99	3,928		104	4	96.15		5,238		
W	04/12/2017	157	273	4	99	5,238		112	5	95.55		6,547		11
Th	04/13/2017	155	139	3	98	3,878		94	3	96.82		3,878		
F	04/14/2017	152	253	5	98	6,338		105	3	97.14		3,803		
S	04/15/2017	154	192	4	98	5,137		97	3	96.92		3,853		
Su	04/16/2017	154	143	5	97	6,422		101	4	96.04		5,137		
M	04/17/2017	155	171	6	96	7,756		95	5	94.71		6,464		11
T	04/18/2017	150	161	5	97	6,255		100	3	97.01		3,753		
W	04/19/2017	152	194	5	97	6,338		102	3	97.07		3,803		8
Th	04/20/2017	148	188	3	98	3,703		95	3	96.85		3,703		
F	04/21/2017	196	229	4	98	6,539		98	3	96.92		4,904		
S	04/22/2017	183	148	3	98	4,579		93	3	96.78		4,579		
Su	04/23/2017	154	144	4	97	5,137		88	2	97.72		2,569		
M	04/24/2017	151	164	5	97	6,297		88	3	96.60		3,778		9
T	04/25/2017	230	347	3	99	5,755		95	4	95.78		7,673		
M	04/26/2017	177	109	3	97	4,429		79	3	96.20		4,429		9
Th	04/27/2017	146	148	3	98	3,653		100	3	96.99		3,653		
F	04/28/2017	138	243	3	99	3,453		98	3	96.95		3,453		
S	04/29/2017	163	180	2	99	2,719		90	4	95.53		5,438		
Su	04/30/2017	141	150	3	98	3,528		91	2	97.80		2,352		

TOTAL	4,992	5,406	120					2,916	94					
AVERAGE	166	180	4	98		5,604		97	3	96.76		4,385		10

Wk1	183	163	4			6,234		94	3			4,512		
Wk2	156	201	4			5,738		108	3			4,454		
Wk3	163	176	4			5,942		98	3			4,620		
Wk4	166	191	3			4,492		91	3			4,427		

MAX	262
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CBOD 20 LBS----	12,769
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - APRIL 2017

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
S	04/01/2017	186		7.0		8.4		0.30	8
Su	04/02/2017	162		7.0		7.4		0.27	5
M	04/03/2017	185		7.0		7.5		0.21	7
T	04/04/2017	178		7.1		7.1		0.32	5
W	04/05/2017	156		7.0		5.2		0.21	2
Th	04/06/2017	262		7.1		5.8		0.20	3
F	04/07/2017	179		7.0		5.9		0.35	18
S	04/08/2017	157		7.0		5.9		0.32	38
Su	04/09/2017	159		7.0		6.1		0.30	9
M	04/10/2017	155		7.1		5.4		0.21	26
T	04/11/2017	157		7.1		6.1		0.23	5
W	04/12/2017	157		7.0		6.2		0.18	7
Th	04/13/2017	155		7.0		5.6		0.19	7
F	04/14/2017	152		7.1		5.6		0.17	14
S	04/15/2017	154		7.1		7.0		0.14	13
Su	04/16/2017	154		7.0		6.7		0.13	8
M	04/17/2017	155		7.0		5.9		0.23	9
T	04/18/2017	150		7.1		5.7		0.09	4
W	04/19/2017	152		7.1		5.8		0.09	6
Th	04/20/2017	148		7.0		5.9		0.16	6
F	04/21/2017	196		7.0		5.9		0.17	3
S	04/22/2017	183		7.1		5.9		0.27	6
Su	04/23/2017	154		7.0		5.8		0.23	29
M	04/24/2017	151		7.0		5.6		0.17	57
T	04/25/2017	230		7.1		5.8		0.14	39
M	04/26/2017	177		7.0		5.0		0.31	20
Th	04/27/2017	146		7.0		4.2		0.16	14
F	04/28/2017	138		7.0		5.0		0.09	1
S	04/29/2017	163		7.1		6.5		0.09	26
Su	04/30/2017	141		7.0		5.9		0.13	5
Total Avg		4,992 166	MIN 7.0	MAX 7.1	MIN 4.2	AVG 6.0	AVG 0.20	MAX 0.35	MEAN 9

Wk1 183
Wk2 156
Wk3 163
Wk4 166

NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT SWWPCP - APRIL 2017

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
04/01/2017	30	143	200	128	140	107	84	88
04/02/2017	25	126	204	120	133	135	111	115
04/03/2017	24	146	200	192	193	130	94	99
04/04/2017	25	139	164	128	133	140	87	94
04/05/2017	23	121	212	204	205	134	70	79
04/06/2017	38	197	168	176	175	162	72	85
04/07/2017	27	137	172	140	145	137	70	80
04/08/2017	24	121	188	148	154	121	103	106
04/09/2017	24	122	176	124	132	134	117	120
04/10/2017	22	123	204	204	204	165	119	126
04/11/2017	21	126	196	220	217	167	94	104
04/12/2017	21	124	204	284	273	154	106	112
04/13/2017	21	122	184	132	139	123	90	94
04/14/2017	20	121	152	268	253	143	99	105
04/15/2017	21	121	240	184	192	156	88	97
04/16/2017	21	121	188	136	143	164	91	101
04/17/2017	20	124	216	164	171	159	85	95
04/18/2017	20	119	196	156	161	134	95	100
04/19/2017	20	121	180	196	194	118	100	102
04/20/2017	20	118	212	184	188	141	88	95
04/21/2017	21	159	172	236	229	152	91	98
04/22/2017	22	149	176	144	148	131	88	93
04/23/2017	21	121	196	136	144	131	81	88
04/24/2017	20	119	112	172	164	142	80	88
04/25/2017	25	188	176	368	347	142	89	95
04/26/2017	23	142	116	108	109	119	73	79
04/27/2017	21	114	196	140	148	134	94	100
04/28/2017	20	108	212	248	243	130	93	98
04/29/2017	22	128	228	172	180	138	82	90
04/30/2017	20	110	212	140	150	140	83	91
AVG	23	131	188	178	180	139	91	97

PERMIT

SWWPCP - APRIL 2017

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
04/01/2017		114			
04/02/2017		165			
04/03/2017	109	145	114	14	88%
04/04/2017		170			
04/05/2017	124	158	129	13	90%
04/06/2017		172			
04/07/2017		144			
04/08/2017		133			
04/09/2017		148			
04/10/2017	143	167	146	14	90%
04/11/2017		181			
04/12/2017	165	180	167	13	92%
04/13/2017		169			
04/14/2017		151			
04/15/2017		166			
04/16/2017		196			
04/17/2017	128	184	135	16	88%
04/18/2017		145			
04/19/2017	114	121	115	17	85%
04/20/2017		151			
04/21/2017		162			
04/22/2017		168			
04/23/2017		160			
04/24/2017	121	177	128	15	88%
04/25/2017		162			
04/26/2017	79	128	85	14	84%
04/27/2017		170			
04/28/2017		173			
04/29/2017		179			
04/30/2017		177			
AVG	123	161	128	15	88%

DESIGN - 200 MGD

SWWPCP - APRIL 2017						
DATE	TRIPLE			PEAK		RAIN
	Delcora	GRAVITY/HLL	LLE	SW TOTAL	FLOW	
04/01/2017	30	143	13	186	217	T
04/02/2017	25	126	11	162	189	
04/03/2017	24	146	15	185	327	0.23
04/04/2017	25	139	14	178	250	0.17
04/05/2017	23	121	12	156	186	
04/06/2017	38	197	27	262	473	1.53
04/07/2017	27	137	15	179	218	T
04/08/2017	24	121	12	157	193	
04/09/2017	24	122	13	159	188	
04/10/2017	22	123	10	155	184	
04/11/2017	21	126	10	157	179	
04/12/2017	21	124	12	157	182	
04/13/2017	21	122	12	155	176	
04/14/2017	20	121	11	152	176	
04/15/2017	21	121	12	154	183	T
04/16/2017	21	121	12	154	182	T
04/17/2017	20	124	11	155	218	0.06
04/18/2017	20	119	11	150	175	
04/19/2017	20	121	11	152	178	
04/20/2017	20	118	10	148	178	0.06
04/21/2017	21	159	16	196	313	0.31
04/22/2017	22	149	12	183	261	0.09
04/23/2017	21	121	12	154	186	
04/24/2017	20	119	12	151	183	0.02
04/25/2017	25	188	17	230	330	0.60
04/26/2017	23	142	12	177	241	0.04
04/27/2017	21	114	11	146	163	
04/28/2017	20	108	10	138	268	0.02
04/29/2017	22	128	13	163	268	0.02
04/30/2017	20	110	11	141	167	
TOTAL	682	3,930	380	4,992		3.15
AVG	23	131	13	166		
			MIN	138	163	
			MAX	262	473	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF APRIL 2017

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
04/05/2017	0.516	0.645	13.60	20.00	0.305
04/12/2017	0.580	0.414	13.40	14.20	0.215
04/19/2017	0.606	0.479	26.20	23.30	0.214
04/26/2017	0.612	0.585	22.50	23.50	0.318
AVG	0.579	0.531	18.93	20.25	0.263
MAX	0.612	0.645	26.20	23.50	0.318

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Phenolics
04/06/2017	< 0.010	< 0.030

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	04/05/2017
Copper	0.0090
Iron	0.1520
Iron Dissolved	0.1200
Lead	< 0.0030
Nickel	0.0040
Selenium	< 0.0030
Zinc	0.0390

Organics Data (mg/L)

Southwest WPCP - Outfall

	04/03/2017
1,2-Dichloroethane	< 0.0010
Chloroform	0.0040
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010

File Name: 201704SL
 Print Date: 05/23/2017

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP		
Sludge Flow To Biosolids Recycle Center / Synagro From NEWPCP APRIL 2017	MGD	Sludge Processed by MGD	DT	Sludge Flow To Biosolids Recycle Center / Synagro From SWWPCP	MGD	DT
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
TOTAL	20.705	20.573	2,139	37.587	37.496	3,420
AVERAGE	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 - SW

Report Date: 05/22/2017

WW170412-031

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	21:03	0.58	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%.
---------	---------------------------------------------------------------------------------------

WW170412-032

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	22:00	0.127	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%.
---------	---------------------------------------------------------------------------------------

WW170412-033

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			4/13/2017	2:47	0.22	mg/L as N	0.05	mg/L as N

Data Qualifiers:

Nitrite	Laboratory Fortified Matrix (LFM) recovery is 120%. 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:

Title:

Date:


John Consolvo
Laboratory Manager
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

SW Fecal Coliform Daily

Report Date: 05/22/2017

WW170402-023

Grab 04/02/2017 06:40

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			4/3/2017	7:56	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 0.71. 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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WW170413-023

Grab 04/13/2017 07:00

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 /Quantit			4/14/2017	8:05	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 0.71. 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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WW170430-023

Grab 04/30/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			5/1/2017	7:55	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 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



Debra A. McCarty, Water Commissioner

June 28, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Southwest 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 - SOUTHWEST WPC PLANT

Permit Number: PA0026671

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: 59161

Submission Status: Received

Submission Type: Original

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for May 2017

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

PERMIT

SWWPCP - MAY 2017

COMPOSITE SAMPLES

DATE	FLOW (MGD)	Suspended Solids				LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5		LBS	LBS**	CBOD 20 (mg/l)
		inf (mg/l)	eff (mg/l)	SS% REM	SS% REM*					CBOD5 %REM	CBOD5* %REM			
Su	04/30/2017	141	150	3	98	3,528		91	2	97.80		2,352		
M	05/01/2017	143	153	3	98	3,574		115	4	96.53		4,765		11
T	05/02/2017	140	149	2	99	2,336		108	3	97.22		3,504		
W	05/03/2017	137	159	4	97	4,570		110	2	98.18		2,285		9
Th	05/04/2017	136	151	3	98	3,403		112	4	96.41		4,537		
F	05/05/2017	250	190	5	97	10,425		98	5	94.88		10,425		
S	05/06/2017	152	112	4	96	5,071		96	5	94.81		6,338		
Su	05/07/2017	149	162	4	98	4,971		84	2	97.61		2,485		
M	05/08/2017	141	170	4	98	4,704		112	3	97.31		3,528		11
T	05/09/2017	137	194	4	98	4,570		106	3	97.18		3,428		
W	05/10/2017	135	155	3	98	3,378		138	4	97.11		4,504		11
Th	05/11/2017	138	194	8	96	9,207		137	3	97.81		3,453		
F	05/12/2017	143	198	4	98	4,770		131	3	97.72		3,578		
S	05/13/2017	342	133	5	96	14,261		84	6	92.85		17,114		
Su	05/14/2017	175	107	5	95	7,298		93	2	97.85		2,919		
M	05/15/2017	152	74	7	91	8,874		94	4	95.73		5,071		11
T	05/16/2017	151	146	7	95	8,815		109	4	96.32		5,037		
W	05/17/2017	145	117	7	94	8,465		106	8	92.45		9,674		19
Th	05/18/2017	145	138	6	96	7,256		95	4	95.80		4,837		
F	05/19/2017	145	132	2	98	2,419		93	2	97.85		2,419		
S	05/20/2017	148	210	4	98	4,937		97	3	96.92		3,703		
Su	05/21/2017	140	133	4	97	4,670		92	3	96.73		3,503		
M	05/22/2017	186	229	3	99	4,654		87	6	93.08		9,307		11
T	05/23/2017	149	150	5	97	6,213		113	2	98.22		2,485		
M	05/24/2017	150	146	3	98	3,747		89	3	96.64		3,747		10
Th	05/25/2017	300	197	7	96	17,514		76	4	94.75		10,008		
F	05/26/2017	176	163	6	96	8,807		77	3	96.11		4,404		
S	05/27/2017	144	137	5	96	6,005		130	4	96.93		4,804		
Su	05/28/2017	153	160	4	97	5,104		84	3	96.44		3,828		
M	05/29/2017	146	151	7	95	8,523		81	4	95.06		4,871		12
T	05/30/2017	147	164	7	96	8,582		86	4	95.33		4,904		
W	05/31/2017	145	154	7	95	8,449		96	4	95.83		4,828		12
TOTAL	5,039	4,827	149					3,130	114					
AVERAGE	163	156	5	97		6,631		101	4	96.25		5,171		12

Wk1	157	152	3		4,701	104	4		4,887
Wk2	169	172	5		6,552	113	3		5,441
Wk3	152	132	5		6,866	98	4		4,809
Wk4	178	165	5		7,373	95	4		5,465

MAX 342

CBOD 20 LBS---- 14,428

NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT---- <35,830

* ACTUAL PERCENT 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
SWWPCP - MAY 2017
GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
M	05/01/2017	143		7.0		6.1		0.09	10
T	05/02/2017	140		7.0		6.5		0.09	7
W	05/03/2017	137		7.0		5.3		0.08	8
Th	05/04/2017	136		7.1		6.3		0.17	7
F	05/05/2017	250		7.1		5.4		0.18	11
S	05/06/2017	152		7.0		5.4		0.26	12
Su	05/07/2017	149		7.0		5.1		0.17	147
M	05/08/2017	141		7.0		5.1		0.09	72
T	05/09/2017	137		7.1		5.0		0.16	62
W	05/10/2017	135		7.1		4.6		0.11	162
Th	05/11/2017	138		7.1		4.8		0.12	43
F	05/12/2017	143		7.0		5.2		0.18	30
S	05/13/2017	342		7.0		7.4		0.27	23
Su	05/14/2017	175		7.0		6.7		0.19	18
M	05/15/2017	152		7.0		6.4		0.11	16
T	05/16/2017	151		7.0		6.7		0.08	27
W	05/17/2017	145		7.0		6.1		0.10	7
Th	05/18/2017	145		7.0		3.7		0.06	162
F	05/19/2017	145		7.0		4.1		0.07	85
S	05/20/2017	148		7.1		4.6		0.11	14
Su	05/21/2017	140		7.0		4.6		0.08	24
M	05/22/2017	186		7.0		4.2		0.07	78
T	05/23/2017	149		7.1		4.4		0.05	82
M	05/24/2017	150		7.1		3.9		0.21	128
Th	05/25/2017	300		6.9		4.0		0.25	82
F	05/26/2017	176		7.0		5.9		0.29	21
S	05/27/2017	144		7.0		4.3		0.11	64
Su	05/28/2017	153		7.1		6.1		0.08	71
M	05/29/2017	146		7.0		5.9		0.06	70
T	05/30/2017	147		7.1		6.1		0.05	461
W	05/31/2017	145		7.0		6.1		0.05	39
Total Avg		5,039 163	MIN 6.9	MAX 7.1	MIN 3.7	AVG 5.4	AVG 0.13	MAX 0.29	MEAN 37

Wk1 157
Wk2 169
Wk3 152
Wk4 178

NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT SWWPCP - MAY 2017

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
05/01/2017	20	111	208	144	153	142	111	115
05/02/2017	19	108	152	148	149	153	101	108
05/03/2017	19	105	176	156	159	148	104	110
05/04/2017	19	105	244	136	151	152	105	112
05/05/2017	33	188	228	184	190	155	89	98
05/06/2017	22	117	88	116	112	134	90	96
05/07/2017	22	115	152	164	162	111	79	84
05/08/2017	21	110	184	168	170	167	102	112
05/09/2017	20	106	228	188	194	138	101	106
05/10/2017	19	105	172	152	155	190	130	138
05/11/2017	20	107	228	188	194	196	127	137
05/12/2017	19	112	236	192	198	154	128	131
05/13/2017	51	252	136	132	133	112	79	84
05/14/2017	27	134	104	108	107	125	87	93
05/15/2017	23	117	128	64	74	137	86	94
05/16/2017	22	117	228	132	146	159	100	109
05/17/2017	21	113	172	108	117	135	101	106
05/18/2017	21	113	200	128	138	120	91	95
05/19/2017	21	112	156	128	132	130	87	93
05/20/2017	20	114	224	208	210	132	92	97
05/21/2017	20	107	208	120	133	138	84	92
05/22/2017	21	149	172	236	229	139	80	87
05/23/2017	21	115	164	148	150	147	107	113
05/24/2017	20	117	208	136	146	137	82	89
05/25/2017	32	232	204	196	197	111	72	76
05/26/2017	24	136	160	164	163	110	72	77
05/27/2017	21	109	168	132	137	102	135	130
05/28/2017	21	118	184	156	160	124	78	84
05/29/2017	21	111	192	144	151	123	74	81
05/30/2017	21	112	212	156	164	120	80	86
05/31/2017	20	111	192	148	154	183	82	96
AVG	23	125	184	151	156	139	95	101

PERMIT

SWWPCP - MAY 2017

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
05/01/2017	116	151	121	14	88%
05/02/2017		162			
05/03/2017	121	170	128	16	87%
05/04/2017		182			
05/05/2017		184			
05/06/2017		158			
05/07/2017		127			
05/08/2017	115	177	124	9	93%
05/09/2017		149			
05/10/2017	142	202	150	23	85%
05/11/2017		209			
05/12/2017		161			
05/13/2017		120			
05/14/2017		149			
05/15/2017	93	152	102	12	88%
05/16/2017		169			
05/17/2017	199	163	194	17	91%
05/18/2017		142			
05/19/2017		143			
05/20/2017		144			
05/21/2017		150			
05/22/2017	86	154	94	18	81%
05/23/2017		168			
05/24/2017	95	176	106	14	87%
05/25/2017		120			
05/26/2017		120			
05/27/2017		145			
05/28/2017		136			
05/29/2017	89	154	98	16	84%
05/30/2017		129			
05/31/2017	92	194	106	14	87%
AVG	115	157	122	15	87%

DESIGN - 200 MGD

DATE	SWWPCP - MAY 2017					RAIN
	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
05/01/2017	20	111	12	143	171	
05/02/2017	19	108	13	140	166	T
05/03/2017	19	105	13	137	160	
05/04/2017	19	105	12	136	160	T
05/05/2017	33	188	29	250	488	1.47
05/06/2017	22	117	13	152	202	T
05/07/2017	22	115	12	149	179	0.03
05/08/2017	21	110	10	141	163	
05/09/2017	20	106	11	137	161	
05/10/2017	19	105	11	135	160	
05/11/2017	20	107	11	138	150	T
05/12/2017	19	112	12	143	329	T
05/13/2017	51	252	39	342	489	1.79
05/14/2017	27	134	14	175	199	
05/15/2017	23	117	12	152	179	
05/16/2017	22	117	12	151	171	
05/17/2017	21	113	11	145	170	
05/18/2017	21	113	11	145	169	
05/19/2017	21	112	12	145	170	
05/20/2017	20	114	14	148	221	T
05/21/2017	20	107	13	140	173	
05/22/2017	21	149	16	186	313	0.51
05/23/2017	21	115	13	149	314	T
05/24/2017	20	117	13	150	350	T
05/25/2017	32	232	36	300	406	2.29
05/26/2017	24	136	16	176	277	0.03
05/27/2017	21	109	14	144	166	
05/28/2017	21	118	14	153	184	0.05
05/29/2017	21	111	14	146	200	0.10
05/30/2017	21	112	14	147	192	0.06
05/31/2017	20	111	14	145	167	
TOTAL	701	3,877	461	5,039		6.33
AVG	23	125	15	163		
		MIN		135	150	
		MAX		342	489	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF MAY 2017

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
05/03/2017	0.847	0.561	26.50	28.70	0.314
05/10/2017	0.762	0.753	24.50	27.30	0.405
05/17/2017	0.699	0.387	21.10	22.10	0.402
05/24/2017	0.708	0.359	25.50	26.90	0.367
05/31/2017	0.604	0.405	30.00	28.00	0.349
AVG	0.724	0.493	25.52	26.60	0.367
MAX	0.847	0.753	30.00	28.70	0.405

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Total Cyanide	Phenolics
05/03/2017		< 0.010	
05/04/2017	< 0.010		< 0.030

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	05/03/2017
Copper	0.0100
Iron	0.1700
Iron Dissolved	0.0620
Lead	< 0.0030
Nickel	0.0050
Selenium	< 0.0030
Zinc	0.0360

Organics Data (mg/L)

Southwest WPCP - Outfall

	05/08/2017
1,2-Dichloroethane	< 0.0010
Chloroform	< 0.0030
Tetrachloroethylene	< 0.0010
Trichloroethylene	< 0.0010

File Name: 201704SL
 Print Date: 06/26/2017

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP				
MAY 2017	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT		
	Biosolids Recycle Center / Synagro			Biosolids Recycle Center / Synagro				
	From NEWPCP MGD	MGD		DT	From SWWPCP MGD		MGD	DT
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		
TOTAL	23.596	23.603	2,267	34.341	28.668	2,665		
AVERAGE	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 ST4TH FLOOR, PHILADELPHIA PA, 19107-2994
FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT
LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153
STAGE: Final Effluent

PA0026671
PERMIT NUMBER

001
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		2017	05	31	

FROM

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	***	***	***	3.7	5.4	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.9	***	7.1	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	6631	7373	lbs/day	***	5	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	25.52	30.00	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	***	***	***	***	.724	.847	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	***	***	***	***	.493	.753	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	***	***	***	***	26.60	28.70	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	***	***	***	***	.367	.405	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
Copper, Total	Sample Measurement	***	***	***	***	.0100	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.0620	***	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
Nickel, Total	Sample Measurement	***	***	***	***	.0050	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Zinc, Total	Sample Measurement	***	***	***	***	.0360	***	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)

Selenium, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	163	342	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.13	.29	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement	***	***	***	***	<.010	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
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	***	***	***	***	37	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	5171	5465	lbs/day	***	4	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	14428	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	96.25	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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)

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

PERMIT NUMBER

101

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? Yes

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2017	05	01	TO	2017	05	31

FROM

TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
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 SW-201705.xls	Daily Effluent Monitoring Form	2017-06-28T12:04:33-04:00	
WW NPDES Weekly - SW (06-21-2017).pdf	Laboratory Accreditation Form	2017-06-28T12:07:32-04:00	
SW Fecal Coliform Daily (06-21-2017).pdf	Laboratory Accreditation Form	2017-06-28T12:07:08-04:00	
NPDES Cyanide Monthly Grab - SW (06-21-2017).pdf	Laboratory Accreditation Form	2017-06-28T12:06:39-04:00	
BLSSW201705.xls	Nutrient Monitoring Form	2017-06-28T12:05:02-04:00	
201705SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-06-28T12:05:57-04:00	
SWCSO 201705.xls	CSO Detailed Outfall Report Form	2017-06-28T12:05:31-04:00	

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
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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 300 MGD qualified for permit relief on the 13th 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	6	28
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO

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 - SW

Report Date: 06/21/2017

WW170503-042

Grab 05/03/2017 13:50

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Cyanide Total ^{B,D}	EPA 335.4	5/15/2017	8:40	5/15/2017	11:49	<0.010 ^E	mg/L	<0.010	mg/L

Data Qualifiers:

Cyanide Total	The Relative Percent Difference (RPD) between the sample and sample duplicate is 200%. The maximum acceptable RPD is 20%. The measured results were <0.010 and <0.010 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: 6/21/2017

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

SW Fecal Coliform Daily

Report Date: 06/21/2017

WW170516-023

Grab 05/16/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			5/17/2017	7:50	26.6	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 - SW

Report Date: 06/21/2017

WW170517-031

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	11:28	22.1	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 Southwest 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 - SOUTHWEST WPC PLANT

Permit Number: PA0026671

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: 62303

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 ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

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	TO	2017	06	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	***	***	***	3.8	5.1	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.9	***	7.2	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5478	6678	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	22.13	26.20	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	***	***	***	***	.735	.911	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	***	***	***	***	<.274	.354	mg/L	24-Hr Composite	1/day
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	20.75	26.00	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	***	***	***	***	.267	.316	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	***	***	***	***	<.030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0077	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.1193	***	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	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Nickel, Total	Sample Measurement	***	***	***	***	.0040	***	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

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for June 2017

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

PERMIT SWWPCP - JUNE 2017 COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	eff (mg/l)	Suspended Solids SS% REM SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
------	---------------	---------------	---------------	--------------------------------------	-----	-------	---------------	---------------	----------------------	----------------	-----	-------	----------------------

Th	06/01/2017	141	120	6	95	7,056	100	4	96.00		4,704		
F	06/02/2017	139	170	4	98	4,637	89	4	95.49		4,637		
S	06/03/2017	137	310	4	99	4,570	124	3	97.58		3,428		
Su	06/04/2017	144	145	5	97	6,005	97	2	97.94		2,402		
M	06/05/2017	143	192	5	97	5,963	117	4	96.59		4,770		10
T	06/06/2017	178	118	4	97	5,938	90	4	95.57		5,938		
W	06/07/2017	145	141	5	96	6,047	95	3	96.86		3,628		8
Th	06/08/2017	140	225	5	98	5,838	118	3	97.47		3,503		
F	06/09/2017	138	217	3	99	3,453	96	3	96.87		3,453		
S	06/10/2017	136	162	3	98	3,403	97	3	96.92		3,403		
Su	06/11/2017	139	113	1	99	1,159	99	5	94.94		5,796		
M	06/12/2017	139	194	5	97	5,796	85	4	95.32		4,637		8
T	06/13/2017	140	119	3	97	3,503	85	3	96.46		3,503		
W	06/14/2017	149	182	3	98	3,728	99	3	96.97		3,728		8
Th	06/15/2017	139	85	6	93	6,956	87	4	95.42		4,637		
F	06/16/2017	140	134	5	96	5,838	105	2	98.10		2,335		
S	06/17/2017	172	153	7	95	10,041	121	2	98.35		2,869		
Su	06/18/2017	144	137	6	96	7,206	88	4	95.47		4,804		
M	06/19/2017	191	148	9	94	14,336	90	5	94.43		7,965		12
T	06/20/2017	139	133	3	98	3,478	85	3	96.47		3,478		
M	06/21/2017	159	126	3	98	3,978	75	3	95.99		3,978		10
Th	06/22/2017	141	142	3	98	3,528	87	4	95.40		4,704		
F	06/23/2017	143	215	5	98	5,963	102	4	96.09		4,770		
S	06/24/2017	198	150	5	97	8,257	109	2	98.17		3,303		
Su	06/25/2017	143	117	2	98	2,385	91	3	96.69		3,578		
M	06/26/2017	154	120	4	97	5,137	87	4	95.38		5,137		11
T	06/27/2017	152	165	3	98	3,803	96	3	96.87		3,803		
W	06/28/2017	136	124	NS	ND	ND	80	NS	ND		ND		
Th	06/29/2017	138	128	6	95	6,906	80	3	96.24		3,453		10
F	06/30/2017	135	191	3	98	3,378	81	2	97.53		2,252		
S	07/01/2017	182	145	4	97	6,065	78	4	94.87		6,065		

TOTAL	4,613	4,820	130				2,935	100					
AVERAGE	149	155	4	97		5,478	95	3	96.41		4,155		10

Wk1	146	171	4			5,235	102	3			3,871		
Wk2	145	140	4			5,289	97	3			3,929		
Wk3	159	150	5			6,678	91	4			4,714		
Wk4	148	142	4			4,612	85	3			4,048		

MAX 198

CBOD 20 LBS---- 12,481

NPDES/ MO <30 >85 <50,400 <25 >89.25 <19,800
 LIMIT WK <45 <75,060 <40 <29,700

CBOD 20 MO LIMIT---- <35,830

* ACTUAL PERCENT 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

SWWPCP - JUNE 2017

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
Th	06/01/2017	141		7.0		4.9		0.11	548
F	06/02/2017	139		7.1		5.6		0.15	14
S	06/03/2017	137		7.0		5.5		0.21	12
Su	06/04/2017	144		7.1		5.2		0.22	13
M	06/05/2017	143		7.2		5.2		0.45	19
T	06/06/2017	178		7.1		5.0		0.21	57
W	06/07/2017	145		7.1		5.1		0.22	20
Th	06/08/2017	140		7.1		5.5		0.14	228
F	06/09/2017	138		7.1		5.1		0.18	22
S	06/10/2017	136		7.1		4.9		0.12	17
Su	06/11/2017	139		7.0		5.2		0.16	13
M	06/12/2017	139		7.1		5.9		0.17	17
T	06/13/2017	140		7.1		5.4		0.08	20
W	06/14/2017	149		7.0		6.0	<	0.05	20
Th	06/15/2017	139		7.0		6.0		0.14	19
F	06/16/2017	140		7.0		6.2		0.10	5
S	06/17/2017	172		7.1		4.1		0.21	35
Su	06/18/2017	144		6.9		4.3		0.23	20
M	06/19/2017	191		7.1		4.3		0.24	25
T	06/20/2017	139		7.0		4.6		0.25	43
M	06/21/2017	159		7.0		5.0		0.23	32
Th	06/22/2017	141		7.0		4.6		0.19	127
F	06/23/2017	143		7.0		4.5		0.21	44
S	06/24/2017	198		7.1		4.2		0.20	19
Su	06/25/2017	143		6.9		3.8		0.16	11
M	06/26/2017	154		7.0		5.9		0.11	22
T	06/27/2017	152		6.9		5.9		0.08	18
W	06/28/2017	136		7.0		5.5	<	0.05	12
Th	06/29/2017	138		6.9		5.7		0.10	7
F	06/30/2017	135		6.9		4.4		0.09	
		182							
Total Avg		4,613 149	MIN 6.9	MAX 7.2	MIN 3.8	AVG 5.1	AVG 0.17	MAX 0.45	MEAN 24

Wk1 146
Wk2 145
Wk3 159
Wk4 148

NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT SWWPCP - JUNE 2017

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
06/01/2017	20	108	168	112	120	172	88	100
06/02/2017	20	107	184	168	170	116	84	89
06/03/2017	19	105	176	332	310	142	121	124
06/04/2017	21	109	172	140	145	139	90	97
06/05/2017	20	109	244	184	192	157	111	117
06/06/2017	21	141	220	104	118	160	81	90
06/07/2017	19	113	176	136	141	165	85	95
06/08/2017	19	109	232	224	225	166	111	118
06/09/2017	19	107	220	216	217	171	84	96
06/10/2017	19	105	224	152	162	137	91	97
06/11/2017	19	108	192	100	113	154	90	99
06/12/2017	19	109	232	188	194	132	78	85
06/13/2017	19	109	240	100	119	153	74	85
06/14/2017	19	118	196	180	182	148	92	99
06/15/2017	19	109	168	72	85	121	82	87
06/16/2017	19	109	224	120	134	153	98	105
06/17/2017	19	138	196	148	153	141	119	121
06/18/2017	19	111	196	128	137	163	77	88
06/19/2017	21	152	176	144	148	169	80	90
06/20/2017	19	110	164	128	133	154	74	85
06/21/2017	19	128	108	128	126	110	70	75
06/22/2017	18	111	208	132	142	162	76	87
06/23/2017	18	113	236	212	215	152	95	102
06/24/2017	27	151	236	136	150	163	101	109
06/25/2017	19	112	148	112	117	146	82	91
06/26/2017	19	122	152	116	120	140	79	87
06/27/2017	19	121	200	160	165	144	89	96
06/28/2017	18	107	180	116	124	113	75	80
06/29/2017	18	108	156	124	128	131	72	80
06/30/2017	18	105	208	188	191	120	75	81
AVG	19	115	194	150	156	146	87	95

PERMIT

SWWPCP - JUNE 2017

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
06/01/2017		182			
06/02/2017		148			
06/03/2017		152			
06/04/2017		159			
06/05/2017	140	225	152	13	91%
06/06/2017		193			
06/07/2017	99	174	109	16	85%
06/08/2017		181			
06/09/2017		193			
06/10/2017		150			
06/11/2017		166			
06/12/2017	109	180	119	14	88%
06/13/2017		171			
06/14/2017	117	169	124	16	87%
06/15/2017		136			
06/16/2017		161			
06/17/2017		174			
06/18/2017		194			
06/19/2017	121	192	129	15	88%
06/20/2017		158			
06/21/2017	75	116	80	14	82%
06/22/2017		183			
06/23/2017		185			
06/24/2017		172			
06/25/2017		158			
06/26/2017	89	151	97	16	83%
06/27/2017		156			
06/28/2017	92	151	100	NS	ND
06/29/2017		162			
06/30/2017		128			
AVG	105	167	114	15	87%

DESIGN - 200 MGD

SWWPCP - JUNE 2017						RAIN
DATE	Delcora	TRIPLE GRAVITY/HLL	LLE	SW TOTAL	PEAK FLOW	
06/01/2017	20	108	13	141	164	
06/02/2017	20	107	12	139	167	
06/03/2017	19	105	13	137	170	0.01
06/04/2017	21	109	14	144	169	
06/05/2017	20	109	14	143	164	0.02
06/06/2017	21	141	16	178	251	0.23
06/07/2017	19	113	13	145	167	
06/08/2017	19	109	12	140	166	
06/09/2017	19	107	12	138	163	
06/10/2017	19	105	12	136	159	
06/11/2017	19	108	12	139	162	
06/12/2017	19	109	11	139	166	
06/13/2017	19	109	12	140	175	
06/14/2017	19	118	12	149	198	T
06/15/2017	19	109	11	139	159	
06/16/2017	19	109	12	140	160	
06/17/2017	19	138	15	172	273	0.09
06/18/2017	19	111	14	144	176	T
06/19/2017	21	152	18	191	346	0.56
06/20/2017	19	110	10	139	167	
06/21/2017	19	128	12	159	274	0.01
06/22/2017	18	111	12	141	167	
06/23/2017	18	113	12	143	261	0.02
06/24/2017	27	151	20	198	406	0.67
06/25/2017	19	112	12	143	172	
06/26/2017	19	122	13	154	304	
06/27/2017	19	121	12	152	215	0.25
06/28/2017	18	107	11	136	157	
06/29/2017	18	108	12	138	161	
06/30/2017	18	105	12	135	163	
TOTAL	582	3,464	386	4,432		1.86
AVG	19	115	13	148		
		MIN		135	157	
		MAX		198	406	



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

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	TO	2017	06	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	***	***	***	3.8	5.1	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.9	***	7.2	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	5478	6678	lbs/day	***	4	5	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	22.13	26.20	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	***	***	***	***	.735	.911	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	***	***	***	***	<.274	.354	mg/L	24-Hr Composite	1/day
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	Monitor & Report Daily Max		24-Hr Composite	1/week
Total Kjeldahl Nitrogen	Sample Measurement	***	***	***	***	20.75	26.00	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	***	***	***	***	.267	.316	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	***	***	***	***	<.030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Copper, Total	Sample Measurement	***	***	***	***	.0077	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.1193	***	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	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Nickel, Total	Sample Measurement	***	***	***	***	.0040	***	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



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Selenium, Total	Sample Measurement	***	***	***	***	<.0030	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Flow	Sample Measurement	149	198	MGD	***	***	***	***	Metered	Continuous
	Permit Measurement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Metered	Continuous
Total Residual Chlorine (TRC)	Sample Measurement	***	***	***	***	.17	.45	mg/L	Grab	1/day
	Permit Measurement	***	***		***	.5 Avg Mo	1.0 IMAX		Grab	1/day
Cyanide, Free	Sample Measurement	***	***	***	***	<.010	***	mg/L	24-Hr Composite	3/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
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	***	***	***	***	24	***	CFU/100 ml	Grab	1/day
	Permit Measurement	***	***		***	200 Geo Mean	***		Grab	1/day
Carbonaceous Biochemical Oxygen Demand (CBOD5)	Sample Measurement	4155	4714	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	19800 Avg Mo	29700 Wkly Avg		***	25 Avg Mo	40 Wkly Avg		24-Hr Composite	1/day
BOD, carbonaceous, 20 day, 20 C	Sample Measurement	12481	***	lbs/day	***	***	***	***	24-Hr Composite	2/week
	Permit Measurement	35830 Avg Mo	***		***	***	***		24-Hr Composite	2/week
CBOD5 Minimum % Removal	Sample Measurement	***	***	***	96.41	***	***	%	24-Hr Composite	1/day
	Permit Measurement	***	***		89.25	***	***		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)

NAME: PHILA WATER DEPT

ADDRESS: 1101 MARKET ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

PERMIT NUMBER

101

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? Yes

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2017	06	01	TO	2017	06	30

FROM

TO

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLE TYPE	SAMPLE FREQUENCY
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
pH	Sample Measurement	***	***	***	***	***	***	S.U.		
	Permit Measurement	***	***		Monitor & Report Inst Min	***	Monitor & Report IMAX		Grab	Daily when Discharging
Flow	Sample Measurement	***	***	MGD	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
Fecal Coliform	Sample Measurement	***	***	***	***	***	***	CFU/100 ml		
	Permit Measurement	***	***		***	***	Monitor & Report IMAX		Grab	Daily when Discharging
Duration of Discharge	Sample Measurement	***	***	minutes	***	***	***	***		
	Permit Measurement	Monitor & Report Avg Mo	***		***	***	***		Estimate	1/discharge
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 SW-201706.xls	Daily Effluent Monitoring Form	2017-07-27T09:01:52-04:00	
SW WET Testing Composite (07-25-2017).pdf	Laboratory Accreditation Form	2017-07-27T09:04:35-04:00	
SW Daily Composite 2 (07-25-2017).pdf	Laboratory Accreditation Form	2017-07-27T09:04:06-04:00	
BLSSW201706.xls	Nutrient Monitoring Form	2017-07-27T09:02:24-04:00	
June sludge summary-201706SL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2017-07-27T09:03:23-04:00	
SWCSO 201706.xls	CSO Detailed Outfall Report Form	2017-07-27T09:02:52-04:00	

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 note, there is no TSS or CBOD5 effluent sample data for the 28th of the month due to a failure of the automatic sampler. 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		
SENSSM			AREA CODE	NUMBER	2017	7	27
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

Central Laboratory

	NO2 - N		NO3 - N		NH3 - N		TKN		P
06/07/2017	0.628		0.354		24.00		20.30		0.279
06/12/2017	0.727	<	0.250		22.50		22.10		0.202
06/14/2017	0.591	<	0.250		26.20		26.00		0.282
06/16/2017	0.729	<	0.250		22.30		23.50		0.227
06/21/2017	0.823		0.287		24.10		16.20		0.283
06/28/2017	0.911	<	0.250		16.00		16.40		0.281
06/30/2017					19.80				0.316
AVG	0.735	<	0.274		22.13		20.75		0.267
MAX	0.911	<	0.354		26.20		26.00		0.316

	Free Cyanide		Phenolics	
06/12/2017	<	0.010	<	0.030
06/14/2017	<	0.010	<	0.030
06/16/2017	<	0.010	<	0.030
AVG	<	0.010	<	0.030

Date	06/12/2017	06/14/17	06/16/17	06/30/17	AVG
Copper	0.0080	0.0080	0.0070		0.0077
Iron Total	0.2030	0.2430	0.2230	0.3020	0.2428
Iron Dissolved	0.0650	0.0700	0.2230		0.1193
Lead	< 0.0030	< 0.0030	< 0.0030		< 0.0030
Nickel	0.0040	0.0040	0.0040		0.0040
Selenium	< 0.0030	< 0.0030	< 0.0030		< 0.0030
Zinc	< 0.0250	< 0.0250	< 0.0250		< 0.0250

[illegible]

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JUNE 2016

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

6/16/2017

Toxicity, Ceriodaphnia acute

1

Toxicity, Ceriodaphnia chronic

1

Toxicity, Pimphales acute

1

Toxicity, Pimphales chronic

1

File Name: 201704SL
 Print Date: 07/27/2017

BIOSOLIDS RECYCLE CENTER SLUDGE DEWATERING SUMMARY REPORT

PA 0026689 NEWPCP				PA 0026671 SWWPCP		
JUNE 2017	Sludge Flow To	Sludge Processed by	DT	Sludge Flow To	Sludge Processed by	DT
	Biosolids Recycle Center / Synagro					
	From NEWPCP MGD	MGD		From SWWPCP 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
TOTAL	20.586	20.492	1,953	29.594	25.027	2,405
AVERAGE	0.858	0.759	72	1.020	0.863	83

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

SW Daily Composite 2

Report Date: 07/21/2017

WW170628-018

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	SM5210B	6/29/2017	10:20	7/4/2017	8:40	NS	mg/L		mg/L
CBOD5	SM5210B	6/29/2017	10:20	7/4/2017	8:40	NS	mg/L		mg/L
Solids Suspended Total	SM 2540 D			6/29/2017	7:30	NS	mg/L		mg/L

Data Qualifiers:


BOD5	Sampler Malfunction
CBOD5	Sampler malfunction
Solids Suspended Total	Sampler Failure

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

SW WET Testing Composite

Report Date: 07/21/2017

WW170612-025

Composite 24h 06/12/2017 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4,4'-DDD ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.016 ^E	µg/L	0.016	µg/L
4,4'-DDE ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.016 ^E	µg/L	0.016	µg/L
4,4'-DDT ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.016 ^E	µg/L	0.016	µg/L
Aldrin ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	0.01 ^E	µg/L	0.0081	µg/L
alpha-BHC ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.0081 ^E	µg/L	0.0081	µg/L
Benzidine ^{B,D}	EPA 625	6/15/2017	20:25	6/16/2017	10:31	<60 ^E	µg/L	60	µg/L
beta-BHC ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.0081 ^E	µg/L	0.0081	µg/L
Chlordane ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.40 ^E	µg/L	0.40	µg/L
delta-BHC ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.0081 ^E	µg/L	0.0081	µg/L
Dieldrin ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.016 ^E	µg/L	0.016	µg/L
Endosulfan I ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	0.01 ^E	µg/L	0.0081	µg/L
Endosulfan II ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.016 ^E	µg/L	0.016	µg/L
Endosulfan sulfate ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.016 ^E	µg/L	0.016	µg/L
Endrin ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.016 ^E	µg/L	0.016	µg/L
Endrin aldehyde ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.081 ^E	µg/L	0.081	µg/L
gamma-BHC ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.0081 ^E	µg/L	0.0081	µg/L
Heptachlor ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.011 ^E	µg/L	0.011	µg/L
Heptachlor epoxide ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.0081 ^E	µg/L	0.0081	µg/L
Toxaphene ^{B,D}	EPA 608	6/14/2017	16:30	6/19/2017	12:47	<0.81 ^E	µg/L	0.81	µg/L

Data Qualifiers:

[illegible]

Endrin aldehyde	The recovery of the surrogates: Decachlorobiphenyl is 28% in the method blank, 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.
gamma-BHC	The recovery of the surrogates: Decachlorobiphenyl is 28% in the method blank, 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.
Heptachlor	The recovery of the surrogates: Decachlorobiphenyl is 28% in the method blank, 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.
Heptachlor epoxide	The recovery of the surrogates: Decachlorobiphenyl is 28% in the method blank, 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.
Toxaphene	The recovery of the surrogates: Decachlorobiphenyl is 28% in the method blank, 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.

WW170614-031

Composite 24h 06/14/2017 06:45

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4,4'-DDD ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	4:56	<0.016 ^E	µg/L	0.016	µg/L
alpha-BHC ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	4:56	<0.0081 ^E	µg/L	0.0081	µg/L
Benzidine ^{B,D}	EPA 625	6/15/2017	20:25	6/16/2017	10:53	<60 ^E	µg/L	60	µg/L
delta-BHC ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	4:56	<0.0081 ^E	µg/L	0.0081	µg/L
Endosulfan I ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	4:56	<0.0081 ^E	µg/L	0.0081	µg/L
Heptachlor ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	4:56	<0.0081 ^E	µg/L	0.0081	µg/L

Data Qualifiers:

4,4'-DDD	The Relative Percent Difference (RPD) between the matrix spike and matrix spike duplicate is 36%. The maximum acceptable RPD is 30%. The measured results were 100 and 71 ug/L.
alpha-BHC	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 86 and 64 ug/L.
Benzidine	The recovery of the LCS is 26% and the LCSD is 26%, 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.
delta-BHC	The Relative Percent Difference (RPD) between the matrix spike and matrix spike duplicate is 36%. The maximum acceptable RPD is 30%. The measured results were 91 and 65 ug/L.
Endosulfan I	Laboratory Fortified Matrix (LFM) recovery is 49%. Acceptance limits are 51-118%. The Relative Percent Difference (RPD) between the matrix spike and matrix spike duplicate is 40%. The maximum acceptable RPD is 30%. The measured results were 74 and 49 ug/L.
Heptachlor	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 89 and 67 ug/L.

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units
4,4'-DDD ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	7:10	<0.016 ^E	µg/L	0.016	µg/L
alpha-BHC ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	7:10	<0.0081 ^E	µg/L	0.0081	µg/L
Aroclor 1016 ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	6:33	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1221 ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	6:33	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1232 ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	6:33	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1242 ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	6:33	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1248 ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	6:33	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1254 ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	6:33	<0.41 ^E	µg/L	0.41	µg/L
Aroclor 1260 ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	6:33	<0.41 ^E	µg/L	0.41	µg/L
Benzidine ^{B,D}	EPA 625	6/19/2017	8:00	6/20/2017	5:35	<60 ^E	µg/L	60	µg/L
delta-BHC ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	7:10	<0.0081 ^E	µg/L	0.0081	µg/L
Dimethyl phthalate ^{B,D}	EPA 625	6/19/2017	8:00	6/20/2017	5:35	<5.0 ^E	µg/L	5.0	µg/L
Endosulfan I ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	7:10	<0.0081 ^E	µg/L	0.0081	µg/L
gamma-BHC ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	7:10	<0.0081 ^E	µg/L	0.0081	µg/L
Heptachlor ^{B,D}	EPA 608	6/20/2017	2:30	6/21/2017	7:10	<0.0081 ^E	µg/L	0.0081	µg/L
Inhibitory Concentration 25% (CD) ^{B,D}	EPA 1002.0			6/19/2017	0:00	60.2 ^E		NA	
Inhibitory Concentration 25% (FM) ^{B,D}	EPA 1000.0			6/20/2017	0:00	>100 ^E		NA	
Lethal Concentration 50% 48 hours (CD) ^{B,D}	EPA 1002.0			6/19/2017	0:00	>100 ^E		NA	
Lethal Concentration 50% 48 hours (FM) ^{B,D}	EPA 1000.0			6/20/2017	0:00	>100 ^E		NA	
Lethal Concentration 50% 96 hours (CD) ^{B,D}	EPA 1002.0			6/19/2017	0:00	NA ^E		NA	
Lethal Concentration 50% 96 hours (FM) ^{B,D}	EPA 1000.0			6/20/2017	0:00	>100 ^E		NA	
No Observed Effect Concentration (CD) ^{B,D}	EPA 1002.0			6/19/2017	0:00	100 ^E		NA	
No Observed Effect Concentration (FM) ^{B,D}	EPA 1000.0			6/20/2017	0:00	100 ^E		NA	
Percent Minimum Signif Difference (CD) ^{B,D}	EPA 1002.0			6/19/2017	0:00	12.7 ^E		NA	

Percent Minimum Signif Difference (FM) ^{B,D}	EPA 1000.0			6/20/2017	0:00	16.3 ^E		NA	
Toxicity Units Acute (CD) ^{B,D}	EPA 1002.0			6/19/2017	0:00	1.0 ^E		NA	
Toxicity Units Acute (FM) ^{B,D}	EPA 1000.0			6/20/2017	0:00	1.0 ^E		NA	
Toxicity Units Chronic (CD) ^{B,D}	EPA 1002.0			6/19/2017	0:00	2.0 ^E		NA	
Toxicity Units Chronic (FM) ^{B,D}	EPA 1000.0			6/20/2017	0:00	1.0 ^E		NA	

Data Qualifiers:

4,4'-DDD	The Relative Percent Difference (RPD) between the matrix spike and matrix spike duplicate is 36%. The maximum acceptable RPD is 30%. The measured results were 100 and 71 ug/L.
alpha-BHC	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 86 and 64 ug/L.
Aroclor 1016	Laboratory Fortified Matrix (LFM) recovery is 6%. Acceptance limits are 60-117%. The Relative Percent Difference (RPD) between the matrix spike and matrix spike duplicate is 169%. The maximum acceptable RPD is 30%. The measured results were 6 and 68 ug/L. The recovery of one of the surrogates, Tetrachloro-m-xylene, is 4% in the matrix spike, which is outside the acceptance limits of 33-137%.
Aroclor 1221	The recovery of one of the surrogates, Tetrachloro-m-xylene, is 4% in the matrix spike, which is outside the acceptance limits of 33-137%.
Aroclor 1232	The recovery of one of the surrogates, Tetrachloro-m-xylene, is 4% in the matrix spike, which is outside the acceptance limits of 33-137%.
Aroclor 1242	The recovery of one of the surrogates, Tetrachloro-m-xylene, is 4% in the matrix spike, which is outside the acceptance limits of 33-137%.
Aroclor 1248	The recovery of one of the surrogates, Tetrachloro-m-xylene, is 4% in the matrix spike, which is outside the acceptance limits of 33-137%.
Aroclor 1254	The recovery of one of the surrogates, Tetrachloro-m-xylene, is 4% in the matrix spike, which is outside the acceptance limits of 33-137%.
Aroclor 1260	Laboratory Fortified Matrix (LFM) recovery is 16% and the duplicate is 53%. Acceptance limits are 57-134%. The Relative Percent Difference (RPD) between the matrix spike and matrix spike duplicate is 105%. The maximum acceptable RPD is 30%. The recovery of one of the surrogates, Tetrachloro-m-xylene, is 4% in the matrix spike, which is outside the acceptance limits of 33-137%.
Benzidine	The recovery of the LCS is 3% and the LCSD is 4%, 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.
delta-BHC	The Relative Percent Difference (RPD) between the matrix spike and matrix spike duplicate is 36%. The maximum acceptable RPD is 30%. The measured results were 91 and 65 ug/L.
Dimethyl phthalate	The Relative Percent Difference (RPD) between the matrix spike and matrix spike duplicate is 48%. The maximum acceptable RPD is 30%. The measured results were 63 and 38 ug/L.
Endosulfan I	Laboratory Fortified Matrix (LFM) recovery is 49%. Acceptance limits are 51-118%. The Relative Percent Difference (RPD) between the matrix spike and matrix spike duplicate is 40%. The maximum acceptable RPD is 30%. The measured results were 74 and 49 ug/L.
gamma-BHC	The Relative Percent Difference (RPD) between the matrix spike and matrix spike duplicate is 25%. The maximum acceptable RPD is 30%. The measured results were 85 and 59 ug/L.


Heptachlor	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 89 and 67 ug/L.
Inhibitory Concentration 25% (CD)	Test Started 40 hours 10 Minutes after collection. The method requires that the test begin within 36 hours of sample collection.
Inhibitory Concentration 25% (FM)	Test Started 41 hours after collection. The method requires that the test begin within 36 hours of sample collection.
Lethal Concentration 50% 48 hours (CD)	Test Started 40 hours 10 Minutes after collection. The method requires that the test begin within 36 hours of sample collection.
Lethal Concentration 50% 48 hours (FM)	Test Started 41 hours after collection. The method requires that the test begin within 36 hours of sample collection.
Lethal Concentration 50% 96 hours (CD)	Test Started 40 hours 10 Minutes after collection. The method requires that the test begin within 36 hours of sample collection.
Lethal Concentration 50% 96 hours (FM)	Test Started 41 hours after collection. The method requires that the test begin within 36 hours of sample collection.
No Observed Effect Concentration (CD)	Test Started 40 hours 10 Minutes after collection. The method requires that the test begin within 36 hours of sample collection.
No Observed Effect Concentration (FM)	Test Started 41 hours after collection. The method requires that the test begin within 36 hours of sample collection.
Percent Minimum Signif Difference (CD)	Test Started 40 hours 10 Minutes after collection. The method requires that the test begin within 36 hours of sample collection.
Percent Minimum Signif Difference (FM)	Test Started 41 hours after collection. The method requires that the test begin within 36 hours of sample collection.
Toxicity Units Acute (CD)	Test Started 40 hours 10 Minutes after collection. The method requires that the test begin within 36 hours of sample collection.
Toxicity Units Acute (FM)	Test Started 41 hours after collection. The method requires that the test begin within 36 hours of sample collection.
Toxicity Units Chronic (CD)	Test Started 40 hours 10 Minutes after collection. The method requires that the test begin within 36 hours of sample collection.
Toxicity Units Chronic (FM)	Test Started 41 hours after collection. The method requires that the test begin within 36 hours of sample collection.

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

July 27, 2017

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Southwest 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 - SOUTHWEST WPC PLANT

Permit Number: PA0026671

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: 62309

Submission Status: Received

Submission Type: Original

Central Laboratory

	NO2 - N		NO3 - N		NH3 - N		TKN	P
06/07/2017	0.628		0.354		24.00		20.30	0.279
06/12/2017	0.727	<	0.250		22.50		22.10	0.202
06/14/2017	0.591	<	0.250		26.20		26.00	0.282
06/16/2017	0.729	<	0.250		22.30		23.50	0.227
06/21/2017	0.823		0.287		24.10		16.20	0.283
06/28/2017	0.911	<	0.250		16.00		16.40	0.281
06/30/2017					19.80			0.316
AVG	0.735	<	0.274		22.13		20.75	0.267
MAX	0.911	<	0.354		26.20		26.00	0.316

	Free Cyanide		Phenolics	
06/12/2017	<	0.010	<	0.030
06/14/2017	<	0.010	<	0.030
06/16/2017	<	0.010	<	0.030
AVG	<	0.010	<	0.030

Date	06/12/2017	06/14/17	06/16/17	06/30/17	AVG
Copper	0.0080	0.0080	0.0070		0.0077
Iron Total	0.2030	0.2430	0.2230	0.3020	0.2428
Iron Dissolved	0.0650	0.0700	0.2230		0.1193
Lead	< 0.0030	< 0.0030	< 0.0030		< 0.0030
Nickel	0.0040	0.0040	0.0040		0.0040
Selenium	< 0.0030	< 0.0030	< 0.0030		< 0.0030
Zinc	< 0.0250	< 0.0250	< 0.0250		< 0.0250

[illegible]

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JUNE 2016

Central Laboratory

Toxicity (TUA/TUC)

Southwest WPCP - Outfall

6/16/2017

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 ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

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	TO	2017	06	30

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	***	***	***	***	<.0004133	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
alpha-Endosulfan	Sample Measurement	***	***	***	***	<.0000110	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Benzidine	Sample Measurement	***	***	***	***	<.0573	***	mg/L	Grab	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		Grab	1/quarter
4,4-DDT	Sample Measurement	***	***	***	***	.0000167	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDD	Sample Measurement	***	***	***	***	<.0000167	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
4,4-DDE	Sample Measurement	***	***	***	***	<.0000167	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
beta-BHC	Sample Measurement	***	***	***	***	<.0000083	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
gamma-BHC (Lindane)	Sample Measurement	***	***	***	***	<.0000083	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Dieldrin	Sample Measurement	***	***	***	***	<.0000167	***	mg/L	24-Hr Composite	3/quarter
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/quarter
Heptachlor	Sample Measurement	***	***	***	***	<.0000083	***	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
SW WET Testing Composite (07-25-2017).pdf	Laboratory Accreditation Form	2017-07-27T09:24:51-04:00	
BLSSW201706.xls	WET Test Summary Report	2017-07-27T09:25:38-04:00	

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 report.	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



Debra A. McCarty, Water Commissioner

August 24, 2017

The City of Philadelphia hereby submits the Monthly Discharge Monitoring Report (DMR) for the Southwest 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 - SOUTHWEST WPC PLANT

Permit Number: PA0026671

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: 65111

Submission Status: Received

Submission Type: Original

SOUTHWEST WATER POLLUTION CONTROL PLANT

Monthly Monitoring Report for July 2017

Combined Sewer Overflow - Effluent By-Pass To Eagle Creek

DATE	Start Time	End Time	Duration Hours	Total Flow	

COMMENTS: THERE WERE NO OCCASIONS OF OVERFLOW TO THE EFFLUENT BY- PASS THIS MONTH

ACTION LEVEL: DISCHARGE TO THE BY-PASS OCCURS AT ELEVATIONS ABOVE 99.4 FEET

MAXIMUM PEAK FLOW = 400 MGD MAXIMUM DAILY FLOW = 300 MGD

Combined Sewer Overflow - Influent Gate Throttling

GATE THROTTLED: EAST , WEST, CENTER, DELCORA, NORTH, OR SOUTH

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

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

ACTION LEVEL: Overflow to Eagle Creek from the plant occurs at elevations above 88.0 feet in the Influent Low Level Sewers.

PERMIT SWWPCP - JUNE 2017 COMPOSITE SAMPLES

DATE	FLOW (MGD)	inf (mg/l)	eff (mg/l)	Suspended Solids SS% REM SS% REM*	LBS	LBS**	inf (mg/l)	eff (mg/l)	CBOD 5 CBOD5 %REM	CBOD5* %REM	LBS	LBS**	CBOD 20 (mg/l)
S	07/01/2017	182	144	4	97	6,072	77	4	94.80		6,072		
Su	07/02/2017	142	127	4	97	4,737	70	2	97.14		2,369		
M	07/03/2017	137	185	3	98	3,428	89	2	97.75		2,285		8
T	07/04/2017	157	133	4	97	5,238	116	2	98.28		2,619		
W	07/05/2017	138	148	4	97	4,604	73	2	97.28		2,302		8
Th	07/06/2017	179	137	5	96	7,464	70	3	95.74		4,479		
F	07/07/2017	178	180	4	98	5,938	82	3	96.33		4,454		
S	07/08/2017	146	100	3	97	3,653	91	4	95.61		4,871		
Su	07/09/2017	137	207	4	98	4,570	81	2	97.52		2,285		
M	07/10/2017	137	187	3	98	3,428	80	3	96.25		3,428		11
T	07/11/2017	141	148	3	98	3,528	73	2	97.25		2,352		
W	07/12/2017	137	149	3	98	3,428	99	2	97.97		2,285		7
Th	07/13/2017	151	132	4	97	5,037	98	3	96.93		3,778		
F	07/14/2017	184	155	4	97	6,138	94	4	95.73		6,138		
S	07/15/2017	139	141	3	98	3,478	80	3	96.25		3,478		
Su	07/16/2017	135	155	3	98	3,378	83	2	97.60		2,252		
M	07/17/2017	136	190	3	98	3,403	97	3	96.91		3,403		12
T	07/18/2017	136	161	4	98	4,537	86	2	97.68		2,268		
M	07/19/2017	138	127	3	98	3,453	98	3	96.94		3,453		10
Th	07/20/2017	138	160	2	99	2,302	102	2	98.03		2,302		
F	07/21/2017	137	169	3	98	3,428	95	2	97.90		2,285		
S	07/22/2017	160	193	5	97	6,672	79	2	97.48		2,669		
Su	07/23/2017	202	142	3	98	5,054	75	3	96.02		5,054		
M	07/24/2017	207	111	4	96	6,906	66	2	96.96		3,453		8
T	07/25/2017	159	242	3	99	3,978	80	4	95.02		5,304		
W	07/26/2017	150	219	3	99	3,753	84	2	97.62		2,502		6
Th	07/27/2017	146	125	3	98	3,653	97	2	97.94		2,435		
F	07/28/2017	160	154	2	99	2,669	92	2	97.82		2,669		
S	07/29/2017	170	255	2	99	2,836	81	2	97.53		2,836		
Su	07/30/2017	139	169	3	98	3,478	76	2	97.36		2,319		
M	07/31/2017	138	173	4	98	4,604	74	2	97.29		2,302		
TOTAL	4,736	5,020	105				2,638	78					
AVERAGE	153	162	3	98		4,350	85	3	97.00		3,248		9

Wk1	154	144	4		5,009	85	3		3,340
Wk2	147	160	3		4,230	86	3		3,392
Wk3	140	165	3		3,882	92	2		2,662
Wk4	171	178	3		4,121	82	2		3,465

MAX	207
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CBOD 20 LBS----	10,669
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NPDES/ LIMIT	MO WK	<30 <45	>85	<50,400 <75,060	<25 <40	>89.25	<19,800 <29,700
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CBOD 20 MO LIMIT----	<35,830
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* ACTUAL PERCENT 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

SWWPCP - JUNE 2017

GRAB SAMPLES

Date		FLOW (MGD)	pH EFF		DISSOLVED OXYGEN (mg/l)		CHLORINE RESIDUAL (mg/l)		FECAL COLIFORM (MPN / 100mL)
S	07/01/2017	182		7.0		4.8		0.11	7
Su	07/02/2017	142		7.0		4.6		0.15	10
M	07/03/2017	137		7.2		4.7		0.16	13
T	07/04/2017	157		7.0		4.9		0.16	11
W	07/05/2017	138		6.9		5.0		0.22	35
Th	07/06/2017	179		7.0		5.0		0.14	34
F	07/07/2017	178		6.9		4.8		0.16	22
S	07/08/2017	146		7.0		4.1		0.19	453
Su	07/09/2017	137		7.0		3.6		0.11	3
M	07/10/2017	137		6.9		3.2		0.10	6
T	07/11/2017	141		7.0		4.6		0.05	12
W	07/12/2017	137		7.0		5.6		0.05	47
Th	07/13/2017	151		6.9		6.2		0.15	10
F	07/14/2017	184		7.0		5.9		0.10	14
S	07/15/2017	139		6.9		6.1		0.06	24
Su	07/16/2017	135		7.0		3.9		0.05	36
M	07/17/2017	136		7.0		4.6		0.12	11
T	07/18/2017	136		7.0		4.7		0.05	37
M	07/19/2017	138		6.9		4.9		0.17	26
Th	07/20/2017	138		6.9		4.7		0.20	45
F	07/21/2017	137		6.9		4.3		0.19	10
S	07/22/2017	160		7.0		3.8		0.16	13
Su	07/23/2017	202		6.9		3.2		0.12	82
M	07/24/2017	207		6.9		5.8		0.28	27
T	07/25/2017	159		6.9		4.9		0.12	13
W	07/26/2017	150		6.8		5.8		0.06	9
Th	07/27/2017	146		6.9		5.3		0.08	9
F	07/28/2017	160		7.0		5.1		0.17	28
S	07/29/2017	170		7.0		5.6		0.12	37
Su	07/30/2017	139		7.0		5.2		0.13	10
M	07/31/2017	138		6.9		4.8		0.12	1
Total Avg		4,736 153	MIN 6.8	MAX 7.2	MIN 3.2	AVG 4.8	AVG 0.13	MAX 0.28	MEAN 17

Wk1 154
Wk2 147
Wk3 140
Wk4 171

NPDES/
LIMIT

EFFLUENT
MIN MAX
6.0 9.0

GEOMETRIC
MEAN
<200

PERMIT

SWWPCP - JUNE 2017

	FLOW		SUSPENDED SOLIDS			CBOD5		
	TRIPLE		MG/L			MG/L		
	DELCORA	GRAVITY	DELCORA	EAST HIGH	PERMIT	DELCORA	EAST HIGH	PERMIT
	MGD	MGD		LEVEL	INFLUENT		LEVEL	INFLUENT
07/01/2017	20	143	180	140	144	133	70	77
07/02/2017	18	110	176	120	127	124	62	70
07/03/2017	17	106	224	180	185	146	81	89
07/04/2017	20	120	220	120	133	126	115	116
07/05/2017	18	108	172	144	148	103	69	73
07/06/2017	20	142	176	132	137	129	63	70
07/07/2017	22	141	236	172	180	150	72	82
07/08/2017	20	112	100	100	100	143	83	91
07/09/2017	18	106	200	208	207	118	75	81
07/10/2017	18	107	208	184	187	107	76	80
07/11/2017	18	111	176	144	148	119	66	73
07/12/2017	18	107	184	144	149	135	93	99
07/13/2017	18	120	220	120	132	147	91	98
07/14/2017	20	148	148	156	155	132	89	94
07/15/2017	18	108	200	132	141	120	74	80
07/16/2017	18	104	176	152	155	118	78	83
07/17/2017	18	107	232	184	190	144	90	97
07/18/2017	18	107	196	156	161	120	81	86
07/19/2017	18	107	204	116	127	158	89	98
07/20/2017	18	107	136	164	160	125	98	102
07/21/2017	18	106	204	164	169	151	87	95
07/22/2017	18	128	236	188	193	137	72	79
07/23/2017	23	159	192	136	142	149	66	75
07/24/2017	27	161	108	112	111	77	64	66
07/25/2017	19	127	224	244	242	141	72	80
07/26/2017	18	118	152	228	219	129	78	84
07/27/2017	18	115	244	108	125	191	84	97
07/28/2017	19	126	136	156	154	128	87	92
07/29/2017	20	135	184	264	255	148	72	81
07/30/2017	17	109	176	168	169	96	73	76
07/31/2017	17	109	240	164	173	109	69	74
AVG	19	120	189	158	162	131	79	85

PERMIT

SWWPCP - JUNE 2017

Date	BOD5 INFLUENT EAST HIGH LEVEL MG/L	BOD5 INFLUENT DELCORA MG/L	BOD5 PERMIT INFLUENT MG/L	BOD5 PERMIT EFFLUENT MG/L	BOD5 PERMIT %REM
07/01/2017		158			
07/02/2017		141			
07/03/2017	94	156	102	12	88%
07/04/2017		167			
07/05/2017	87	132	93	12	87%
07/06/2017		140			
07/07/2017		183			
07/08/2017		165			
07/09/2017		132			
07/10/2017	85	132	91	10	89%
07/11/2017		120			
07/12/2017	111	157	117	10	91%
07/13/2017		171			
07/14/2017		161			
07/15/2017		154			
07/16/2017		145			
07/17/2017	95	152	103	8	92%
07/18/2017		148			
07/19/2017	111	183	120	13	89%
07/20/2017		147			
07/21/2017		166			
07/22/2017		162			
07/23/2017		157			
07/24/2017	81	116	86	5	94%
07/25/2017		163			
07/26/2017	86	138	92	12	87%
07/27/2017		203			
07/28/2017		150			
07/29/2017		149			
07/30/2017		126			
07/31/2017		154			
AVG	94	153	100	10	90%

DESIGN - 200 MGD

SWWPCP - JUNE 2017						
DATE	TRIPLE			PEAK		RAIN
	Delcora	GRAVITY/HLL	LLE	SW TOTAL	FLOW	
07/01/2017	20	143	19	182	379	0.63
07/02/2017	18	110	14	142	164	
07/03/2017	17	106	14	137	163	
07/04/2017	20	120	17	157	343	0.33
07/05/2017	18	108	12	138	183	
07/06/2017	20	142	17	179	320	0.26
07/07/2017	22	141	15	178	334	0.51
07/08/2017	20	112	14	146	170	0.01
07/09/2017	18	106	13	137	161	
07/10/2017	18	107	12	137	161	
07/11/2017	18	111	12	141	160	
07/12/2017	18	107	12	137	161	
07/13/2017	18	120	13	151	227	
07/14/2017	20	148	16	184	283	0.41
07/15/2017	18	108	13	139	164	0.01
07/16/2017	18	104	13	135	161	
07/17/2017	18	107	11	136	168	0.01
07/18/2017	18	107	11	136	163	
07/19/2017	18	107	13	138	168	
07/20/2017	18	107	13	138	168	
07/21/2017	18	106	13	137	158	
07/22/2017	18	128	14	160	308	
07/23/2017	23	159	20	202	444	0.31
07/24/2017	27	161	19	207	353	2.46
07/25/2017	19	127	13	159	219	0.01
07/26/2017	18	118	14	150	170	
07/27/2017	18	115	13	146	167	T
07/28/2017	19	126	15	160	363	0.01
07/29/2017	20	135	15	170	303	0.39
07/30/2017	17	109	13	139	169	
07/31/2017	17	109	12	138	165	
TOTAL	587	3,714	435	4,736		5.35
AVG	19	120	14	153		
			MIN	135	158	
			MAX	207	444	

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF JULY 2017

Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
07/05/2017	1.310	0.394	19.10	21.20	0.222
07/12/2017	1.410	0.443	19.20	21.00	0.320
07/19/2017	1.400	0.486	25.30	26.00	0.351
07/26/2017	1.620	0.723	11.60	11.00	0.264
 AVG	1.435	0.512	18.80	19.80	0.289
MAX	1.620	0.723	25.30	26.00	0.351

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Phenolics
07/13/2017	< 0.010	< 0.030

Metals Data (mg/L)

Southwest WPCP - Outfall

Date	07/12/2017
Copper	0.0080
Iron	0.2110
Iron Dissolved	0.1370
Lead	< 0.0030
Nickel	0.0040
Selenium	< 0.0030
Zinc	< 0.0250

Organics Data (mg/L)

Southwest WPCP - Outfall

	07/10/2017
1,2-Dichloroethane	< 0.0025
Chloroform	0.0041
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 ST4TH FLOOR, PHILADELPHIA PA, 19107-2994

FACILITY: PHILA WATER DEPT - SOUTHWEST WPC PLANT

LOCATION: 8200 ENTERPRISE AVE, PHILADELPHIA PA, 19153

STAGE: Final Effluent

PA0026671

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	***	***	***	3.2	4.8	***	mg/L	Grab	1/day
	Permit Measurement	***	***		Monitor & Report Inst Min	Monitor & Report Avg Mo	***		Grab	1/day
pH	Sample Measurement	***	***	***	6.8	***	7.2	S.U.	Grab	1/day
	Permit Measurement	***	***		6.0 Inst Min	***	9.0 IMAX		Grab	1/day
Total Suspended Solids	Sample Measurement	4350	5009	lbs/day	***	3	4	mg/L	24-Hr Composite	1/day
	Permit Measurement	50400 Avg Mo	75060 Wkly Avg		***	30 Avg Mo	45 Wkly Avg		24-Hr Composite	1/day
Ammonia-Nitrogen	Sample Measurement	***	***	***	***	18.80	25.30	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	***	***	***	***	1.435	1.620	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	***	***	***	***	.512	.723	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	***	***	***	***	19.80	26.00	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	***	***	***	***	.289	.351	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	***	***	***	***	.0041	***	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
Copper, Total	Sample Measurement	***	***	***	***	.0080	***	mg/L	24-Hr Composite	1/month
	Permit Measurement	***	***		***	Monitor & Report Avg Mo	***		24-Hr Composite	1/month
Iron, Dissolved	Sample Measurement	***	***	***	***	.1370	***	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
Nickel, Total	Sample Measurement	***	***	***	***	.0040	***	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