PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES
Southwest Water Pollution Control Plant
NPDES SUMMARY FOR THE MONTH OF DECEMBER 2019

Central Laboratory

Toxicity (TUA/TUC)
Southwest WPCP - Outfall

		12/06/2019
Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic		2
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic		2

File Name: 201912SL
Print Date: 01/24/2020

BIOSOLIDS RECYCLE CENTER
SLUDGE DEWATERING SUMMARY REPORT

	PA 0026689 NEWPCP			PA 0026671 SWWPCP		
	Sludge Flow To Biosolids Recycle Center / Synagro	Sludge Processed by Center / Synagro		Sludge Flow To Biosolids Recycle Center / Synagro	Sludge Processed by Center / Synagro	
DECEMBER 2019	From NEWPCP MGD	MGD	DT	From SWWPCP MGD	MGD	DT
12/01/2019	0.7660	1.569	179.72	1.129	1.271	131.5
12/02/2019	0.8312	0.810	59.53	1.486	1.186	117.1
12/03/2019	1.6360	1.590	207.12	1.337	1.705	180.1
12/04/2019	0.7193	0.815	77.56	1.300	1.222	124.1
12/05/2019	0.8331	0.841	82.02	1.476	1.390	138.8
12/06/2019	0.8076	0.704	100.77	1.454	1.727	206.9
12/07/2019	0.8258	0.930	100.66	1.297	1.233	141.0
12/08/2019	0.7990	0.576	54.33	1.661	1.461	176.1
12/09/2019	0.8701	1.034	91.66	1.791	1.914	205.7
12/10/2019	0.7319	0.444	39.31	1.620	1.529	141.5
12/11/2019	1.5878	1.177	95.24	1.025	0.610	59.9
12/12/2019	0.8735	1.459	170.97	1.534	1.981	208.3
12/13/2019	1.7038	1.124	97.14	1.457	1.202	125.1
12/14/2019	0.8502	1.517	128.99	1.346	1.382	138.0
12/15/2019	0.8474	0.910	72.13	1.573	1.655	152.0
12/16/2019	0.7882	0.761	59.58	1.304	1.309	105.8
12/17/2019	0.8574	0.891	70.40	1.871	1.907	172.5
12/18/2019	0.8318	0.050	3.01	1.521	1.319	134.7
12/19/2019	0.8231	1.184	146.24	1.110	1.089	106.6
12/20/2019	0.8097	0.883	94.92	1.748	2.045	211.3
12/21/2019	0.8263	0.403	30.18	1.977	1.885	173.1
12/22/2019	-	0.294	26.50	0.747	0.862	76.4
12/23/2019	0.8102	0.907	81.60	1.538	1.533	143.6
12/24/2019	0.8366	1.232	111.13	1.347	1.209	105.5
12/25/2019	0.8553	0.860	79.74	1.416	1.236	108.0
12/26/2019	0.8573	0.839	85.50	1.243	1.381	132.5
12/27/2019	1.7041	0.973	91.88	1.525	1.639	170.6
12/28/2019	0.8555	1.555	110.30	1.259	1.314	120.4
12/29/2019	0.8421	0.916	66.81	1.332	1.207	110.5
12/30/2019	1.7059	1.697	128.99	1.599	2.155	203.4
12/31/2019	1.7059	-	-	1.599	1.810	156.7
TOTAL	29.792	28.944	2,744	44.619	45.367	4,478
AVERAGE	0.961	0.934	89	1.439	1.463	144

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 Grab

Report: BLS20200121-006
Report Date: 01/21/2020

WW191209-005 *SW123E* Grab 12/09/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			12/10/2019	8:28	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.908. The maximum acceptable PCV is 0.403. The measured results were 4.1 MPN/100mL and 33.2 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.

WW191212-005 *SW123E* Grab 12/12/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			12/13/2019	8:21	10.5	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.530. The maximum acceptable PCV is 0.403. The measured results were 10.5 MPN/mL and 3.1 MPN/mL. PCV 0.403 was exceeded due to low values in samples.

WW191216-005 *SW123E* Grab 12/16/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			12/17/2019	8:37	5.2	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.716. The maximum acceptable PCV is 0.403. The measured results were 5.2 MPN/mL and 1.0 MPN/mL. PCV of 0.403 was exceeded due to low values in samples.

WW191219-005 *SW123E* Grab 12/19/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			12/20/2019	8:54	4.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 1.330. The maximum acceptable PCV is 0.403. The measured results were 387.3 MPN/100mL and 18.1 MPN/100mL. The PCV was exceeded.

WW191220-005 *SW123E* Grab 12/20/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18 /Quantitray			12/21/2019	7:55	<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 0.491. The maximum acceptable PCV is 0.403. The measured results were <1 MPN/100mL and 3.1 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.

WW191221-005 *SW123E* Grab 12/21/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18 /Quantitray			12/22/2019	7:51	1.0	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.415. The maximum acceptable PCV is 0.403. The measured results were 5.2 MPN/100mL and 2.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.

WW191226-005 *SW123E* Grab 12/26/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2

Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			12/27/2019	8:26	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 0.4771. The maximum acceptable PCV is 0.403. The measured results were 2.0 MPN/100mL and <1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.

WW191229-005 *SW123E* Grab 12/29/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Coliforms Fecal (Colilert-18/Quanti-Tray)	Colilert 18/Quantitr			12/30/2019	8:48	3.1	MPN/100 mL	<1	MPN/100 mL

Data Qualifiers:

Coliforms Fecal (Colilert-18/Quanti-Tray)	The Precision Criteria Value (PCV) between the sample and sample duplicate is 0.613. The maximum acceptable PCV is 0.403. The measured results were 4.1 MPN/100mL and 1.0 MPN/100mL. PCV 0.403 was exceeded due to low values in samples.

Legend

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

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

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

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name: Aaron Bitler

Title: Laboratory Manager

Date: 1/21/2020

PHILADELPHIA WATER DEPARTMENT

Randy E. Hayman, Water Commissioner

January 24, 2020

The City of Philadelphia hereby submits the Annually Discharge Monitoring Report (DMR) for the Southwest Water Pollution Control Plant for 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

Facility Name: PHILA WATER DEPT - SOUTHWEST WPC PLANT
Permit Number: PA0026671
Report Frequency: Annually
Report Type: DMR
Reporting Period: 01/01/2019-12/31/2019
Report Due Date: 01/28/2020

Submitted By: Mary Ellen Senss
Submission Id: 188075
Submission Status: Received
Submission Type: Original

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	01	01	TO	2019	12	31

Reporting Frequency: Annually
DMR Effective From: 01/01/2019
DMR Effective To: 12/31/2019
Permit Expires: 08/31/2012
Permit Application Due: 03/04/2012
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
PCBs Wet Weather Analysis (51556)	Sample Measurement	***	***	***	3131	***	32404	pg/L	2/year	24-Hr Composite
	Permit Requirement	***	***		Monitor & Report Min	***	Monitor & Report Max		2/year	24-Hr Composite
PCBs Dry Weather Analysis (51557)	Sample Measurement	***	***	***	3191	***	3600	pg/L	2/year	24-Hr Composite
	Permit Requirement	***	***		Monitor & Report Min	***	Monitor & Report Max		2/year	24-Hr Composite
Facility Sampling Point Comments										

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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	085
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	01	01	TO	2019	12	31

Reporting Frequency: Annually
DMR Effective From: 01/01/2019
DMR Effective To: 12/31/2019
Permit Expires: 08/31/2012
Permit Application Due: 03/04/2012
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Chemical Oxygen Demand (COD) (00340)	Sample Measurement	***	***	***	***	***	67.4	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
pH (00400)	Sample Measurement	-*-	-*-	*-*	*-*	*-*	7.0	S.U.	1/year	Grab
	Permit Requirement	-*-	-*-		*-*	*-*	Monitor & Report Daily Max		1/year	Grab
Total Suspended Solids (00530)	Sample Measurement	-*-	-*-	*-*	*-*	*-*	9.4	mg/L	1/year	Grab
	Permit Requirement	-*-	-*-		*-*	*-*	Monitor & Report Daily Max		1/year	Grab
Oil and Grease (00556)	Sample Measurement	***	***	***	***	***	<5.0	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	***	3.02	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Total Phosphorus (00665)	Sample Measurement	***	***	***	***	***	.15	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	***	727.0	CFU/100 ml	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	***	9	mg/L	1/year	Grab
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/year	Grab
Facility Sampling Point Comments										

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
BLSSW201912.xlsx	Annual Nutrient Summary Form	2020-01-24T12:38:45-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
Annual PCB and Stormwater DMR	Mary Ellen Senss	S12300	(215)-685-6258

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2020	1	24
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES
Southwest Water Pollution Control Plant
NPDES SUMMARY FOR THE MONTH OF DECEMBER 2019

Central Laboratory

Stormwater Sampling (mg/L) Southwest WPCP - Outfall		10/16/2019
COD		67.4
HEM (Oil & Grease)	<	5.0
Phosphorous Total		0.15
TKN		3.02
CBOD5		9
TSS		9.4

Stormwater Sampling (pH)	10/16/2019
pH	7.0

Stormwater Sampling (#/100mls)	10/16/2019
Fecal Coliform	727.0

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES

Southwest Water Pollution Control Plant

NPDES SUMMARY FOR THE MONTH OF DECEMBER 2019

Central Laboratory

PCB (pg/L)
Southwest WPCP - Ou

PCB	04/06/2019	06/29/2019	08/28/2019	10/17/2019	AVG
Dry Test		3,191	3,600		3,395
Wet Test	3,131			32,404	17,767

PHILADELPHIA WATER DEPARTMENT

Randy E. Hayman, Water Commissioner

January 24, 2020

The City of Philadelphia hereby submits the Quarterly Discharge Monitoring Report (DMR) for the Southwest Water Pollution Control Plant for the period from October 2019 to December 2019. We are pleased to report that the plant achieved compliance for all parameters as outlined in the National Pollutant Discharge Elimination System (NPDES) permit.

Facility Name: PHILA WATER DEPT - SOUTHWEST WPC PLANT
Permit Number: PA0026671
Report Frequency: Quarterly
Report Type: DMR
Reporting Period: 10/01/2019-12/31/2019
Report Due Date: 01/28/2020

Submitted By: Mary Ellen Senss
Submission Id: 188112
Submission Status: Received
Submission Type: Original

3800-FM-BCW0462 12/2016

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

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	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	2019	10	01	TO	2019	12	31

Reporting Frequency: Quarterly
DMR Effective From: 10/01/2019
DMR Effective To: 12/31/2019
Permit Expires: 08/31/2012
Permit Application Due: 03/04/2012
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Toxicity, Acute - Ceriodaphnia Survival (61425)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	Result is actually "< 1".								
Toxicity, Chronic - Ceriodaphnia Survival (61426)	Sample Measurement	***	***	***	***	***	2	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Toxicity, Acute - Pimephales Survival (61427)	Sample Measurement	***	***	***	***	***	1	TUa	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
	Facility Parameter Comments	Result is actually "< 1".								
Chlordane (51032)	Sample Measurement	***	***	***	***	<.0004733	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
alpha-Endosulfan (34361)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Benzidine (39120)	Sample Measurement	***	***	***	***	<.0048	***	mg/L	3/quarter	Grab
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	Grab
4,4-DDT (39300)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
	Facility Parameter Comments	See attached data qualifier report.								
4,4-DDD (39310)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
4,4-DDE (39320)	Sample Measurement	***	***	***	***	.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
beta-BHC (39338)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
gamma-BHC (Lindane) (39344)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Dieldrin (39380)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/quarter	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Heptachlor (39410)	Sample Measurement	***	***	***	***	<.0000200	***	mg/L	3/month	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/quarter	24-Hr Composite
Toxicity, Chronic - Pimephales Survival (61428)	Sample Measurement	***	***	***	***	***	2	TUc	1/quarter	24-Hr Composite
	Permit Requirement	***	***		***	***	Monitor & Report Daily Max		1/quarter	24-Hr Composite
Facility Sampling Point Comments										

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
BLSSW201912.xlsx	WET Test Summary Report	2020-01-24T12:56:40-05:00	
SW WET Testing Grab (01-21-2020).pdf	Laboratory Accreditation Form	2020-01-24T13:01:32-05:00	
SW WET Testing Composite (01-21-2020).pdf	Laboratory Accreditation Form	2020-01-24T13:00:41-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
Quarterly NPDES DMR data as required. Please see attachments for data qualifier reports.	Mary Ellen Senss	S12300	(215)-685-6258

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Mary ellen Senss	TELEPHONE		DATE		
senssm			(215)	685-6258	2020	1	24
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES
Southwest Water Pollution Control Plant
NPDES SUMMARY FOR THE MONTH OF DECEMBER 2019
Central Laboratory

Nitrogen Series and Phosphorus Data (mg/L)

Southwest WPCP - Southwest Outfall

	NO2 - N	NO3 - N	NH3 - N	TKN	P
12/02/2019	0.758	0.560	17.30	22.10	0.213
12/04/2019	0.854	0.773	19.10	18.10	0.146
12/06/2019	0.945	0.867	21.90	21.00	0.127
12/11/2019	0.855	1.190	11.70	11.00	0.128
12/18/2019	0.613	1.540	10.10	16.50	0.887
12/23/2019	0.836	0.959	12.90	20.00	0.185
12/30/2019	0.744	0.735	16.30	29.70	0.532
AVG	0.801	0.946	15.61	19.77	0.317
MAX	0.945	1.540	21.90	29.70	0.887

Cyanide and Phenol Data (mg/L)

Southwest WPCP - Southwest Outfall

	Free Cyanide	Phenolics
12/02/2019	0.014	0.090
12/04/2019	0.015	< 0.050
12/06/2019	0.015	< 0.050
AVG	0.015	< 0.063

Metals Data

Southwest WPCP - Outfall

Date	12/02/2019	12/04/2019	12/06/2019	AVG
Copper	0.0090	0.0060	0.0050	0.0067
Iron Dissolved	0.2710	0.0780	0.0870	0.1453
Lead	< 0.0030	< 0.0030	< 0.0030	< 0.0030
Nickel	0.0030	0.0030	0.0030	0.0030
Selenium	< 0.0130	< 0.0130	< 0.0130	< 0.0130
Zinc	0.0330	0.0320	0.0320	0.0323

Organics Data (mg/L)
Southwest WPCP - Outfall

	12/01/2019	12/02/2019	12/03/2019	12/04/2019	12/05/2019	12/06/2019	AVG
1,2-Dichloroethane	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
alpha-Endosulfan	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Benzidine	< 0.0048	< 0.0048	< 0.0048	< 0.0048	< 0.0048	< 0.0048	< 0.0048
beta-BHC	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Chlordane	< 0.0004700	< 0.0004700	< 0.0004700	< 0.0004700	< 0.0004800	< 0.0004733	
Chloroform	0.0027	0.0024	0.0020	0.0021	0.0023	0.0023	
Dieldrin	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Heptachlor	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Lindane (Gamma-BHC)	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
p,p'-DDD	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
p,p'-DDE	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
p,p'-DDT	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200	< 0.0000200
Tetrachloroethylene	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Trichloroethylene	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005

PHILADELPHIA WATER DEPARTMENT - BUREAU OF LABORATORY SERVICES
Southwest Water Pollution Control Plant
NPDES SUMMARY FOR THE MONTH OF DECEMBER 2019

Central Laboratory

Toxicity (TUA/TUC)
Southwest WPCP - Outfall

		12/06/2019
Toxicity, Ceriodaphnia acute	<	1
Toxicity, Ceriodaphnia chronic		2
Toxicity, Pimphales acute	<	1
Toxicity, Pimphales chronic		2

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

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

SW WET Testing Composite

Report: BLS20200121-007
Report Date: 01/21/2020

WW191202-001 *SW123E* Composite 24h 12/02/2019 03:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
2,6-Dinitrotoluene[B,D]	EPA 625.1	12/4/2019	8:57	12/11/2019	1:33	<0.952[E]	µg/L	0.952	µg/L
2-Chloronaphthalene[B,D]	EPA 625.1	12/4/2019	8:57	12/11/2019	1:33	<0.952[E]	µg/L	0.952	µg/L
4,4'-DDT[B,D]	EPA 608.3	12/2/2019	16:30	12/4/2019	16:56	<0.02[E]	µg/L	0.02	µg/L
Toxaphene[B,D]	EPA 608.3	12/2/2019	16:30	12/4/2019	16:56	<0.47[E]	µg/L	0.47	µg/L

Data Qualifiers:

2,6-Dinitrotoluene	The LCS for the analysis batch associated with this sample was below acceptance criteria. Results may have greater uncertainty.
2-Chloronaphthalene	The LCS for the analysis batch associated with this sample was below acceptance criteria. Results may have greater uncertainty.
4,4'-DDT	Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard.
Toxaphene	Calibration verification is below the minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The Laboratory Control Sample for the analysis batch associated with this sample was above the acceptance criteria, however the analyte was not detected in the associated sample. Data maybe fully useable under the 2009 TNI Standard.

WW191204-001 *SW123E* Composite 24h 12/04/2019 03:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
1,1,1-Trichloroethane[B,D]	EPA 624.1			12/12/2019	11:27	<0.5[E]	µg/L	0.5	µg/L
1,2,4-Trichlorobenzene[B,D]	EPA 625.1	12/10/2019	17:21	12/11/2019	23:21	<0.966[E]	µg/L	0.966	µg/L
2-Chloronaphthalene[B,D]	EPA 625.1	12/10/2019	17:21	12/11/2019	23:21	<0.966[E]	µg/L	0.966	µg/L
bis(2-Chloroisopropyl) ether[B,D]	EPA 625.1	12/10/2019	17:21	12/11/2019	23:21	<0.966[E]	µg/L	0.966	µg/L
Carbon tetrachloride[B,D]	EPA 624.1			12/12/2019	11:27	<0.5[E]	µg/L	0.5	µg/L
Endrin[B,D]	EPA 608.3	12/9/2019	16:00	12/12/2019	17:55	<0.02[E]	µg/L	0.02	µg/L
Hexachloroethane[B,D]	EPA 625.1	12/10/2019	17:21	12/11/2019	23:21	<9.66[E]	µg/L	9.66	µg/L
Tetrachloroethene[B,D]	EPA 624.1			12/12/2019	11:27	<0.5[E]	µg/L	0.5	µg/L

Data Qualifiers:

1,1,1-Trichloroethane	Calibration verification below minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The Laboratory Control Sample for the analysis batch associated with this sample was below acceptance criteria. Results may have greater uncertainty. The LCS was below minimum acceptance limits; however, a low-level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low-level standard.
1,2,4-Trichlorobenzene	The recovery of LCS is 56%, which is outside the acceptance limits of 57-130%. Results may have greater uncertainty.
2-Chloronaphthalene	The recovery of LCS is 53%, which is outside the acceptance limits of 65-120%. Results may have greater uncertainty.
bis(2-Chloroisopropyl) ether	The recovery of LCS is 62%, which is outside the acceptance limits of 63-139%. Results may have greater uncertainty.
Carbon tetrachloride	Calibration verification below minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The Laboratory Control Sample for the analysis batch associated with this sample was below acceptance criteria. Results may have greateruncertainty. The LCS was below minimum acceptance limits; however, a low-level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low-level standard.
Endrin	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Hexachloroethane	The recovery of LCS is 53%, which is outside the acceptance limits of 55-120%. Results may have greater uncertainty.
Tetrachloroethene	Calibration verification below minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The Laboratory Control Sample for the analysis batch associated with this sample was below acceptance criteria. Results may have greater uncertainty. The LCS was below minimum acceptance limits; however, a low-level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low-level standard.

WW191205-010 *SW123E* Grab 12/05/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Tetrachloroethene[B,D]	EPA 624.1			12/12/2019	16:55	<0.5[E]	µg/L	0.5	µg/L

Data Qualifiers:

Tetrachloroethene	Calibration verification below minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The Laboratory Control Sample for the analysis batch associated with this sample was below acceptance criteria. Results may have greateruncertainty. The LCS was below minimum acceptance limits; however, a low-level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low-level standard.

WW191206-001 *SW123E* Composite 24h 12/06/2019 03:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
1,1,1-Trichloroethane[B,D]	EPA 624.1			12/12/2019	16:28	<0.5[E]	µg/L	0.5	µg/L
1,2,4-Trichlorobenzene[B,D]	EPA 625.1	12/10/2019	17:21	12/12/2019	0:39	<0.966[E]	µg/L	0.966	µg/L
2-Chloronaphthalene[B,D]	EPA 625.1	12/10/2019	17:21	12/12/2019	0:39	<0.966[E]	µg/L	0.966	µg/L
Aroclor 1016[B,D]	EPA 608.3	12/9/2019	16:00	12/10/2019	22:24	<0.48[E]	µg/L	0.48	µg/L
Aroclor 1221[B,D]	EPA 608.3	12/9/2019	16:00	12/10/2019	22:24	<0.48[E]	µg/L	0.48	µg/L
Aroclor 1232[B,D]	EPA 608.3	12/9/2019	16:00	12/10/2019	22:24	<0.48[E]	µg/L	0.48	µg/L
Aroclor 1242[B,D]	EPA 608.3	12/9/2019	16:00	12/10/2019	22:24	<0.48[E]	µg/L	0.48	µg/L
Aroclor 1248[B,D]	EPA 608.3	12/9/2019	16:00	12/10/2019	22:24	<0.48[E]	µg/L	0.48	µg/L
Aroclor 1254[B,D]	EPA 608.3	12/9/2019	16:00	12/10/2019	22:24	<0.48[E]	µg/L	0.48	µg/L
Aroclor 1260[B,D]	EPA 608.3	12/9/2019	16:00	12/10/2019	22:24	<0.48[E]	µg/L	0.48	µg/L
bis(2-Chloroisopropyl) ether[B,D]	EPA 625.1	12/10/2019	17:21	12/12/2019	0:39	<0.966[E]	µg/L	0.966	µg/L
Carbon tetrachloride[B,D]	EPA 624.1			12/12/2019	16:28	<0.5[E]	µg/L	0.5	µg/L
Endrin[B,D]	EPA 608.3	12/9/2019	16:00	12/12/2019	17:25	<0.02[E]	µg/L	0.02	µg/L
Hexachloroethane[B,D]	EPA 625.1	12/10/2019	17:21	12/12/2019	0:39	<9.66[E]	µg/L	9.66	µg/L
PCBs Total[B,D]	EPA 608.3	12/9/2019	16:00	12/10/2019	22:24	<0.48[E]	µg/L	0.48	µg/L
Tetrachloroethene[B,D]	EPA 624.1			12/12/2019	16:28	<0.5[E]	µg/L	0.5	µg/L

Data Qualifiers:

1,1,1-Trichloroethane	Calibration verification below minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The Laboratory Control Sample for the analysis batch associated with this sample was below acceptance criteria. Results may have greater uncertainty. The LCS was below minimum acceptance limits; however, a low-level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low-level standard.
1,2,4-Trichlorobenzene	The recovery of LCS is 56%, which is outside the acceptance limits of 57-130%. Results may have greater uncertainty.
2-Chloronaphthalene	The recovery of LCS is 53%, which is outside the acceptance limits of 65-120%. Results may have greater uncertainty.
Aroclor 1016	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 26% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1221	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 26% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1232	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 26% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1242	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 26% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1248	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 26% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1254	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 26% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Aroclor 1260	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 26% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
bis(2-Chloroisopropyl) ether	The recovery of LCS is 62%, which is outside the acceptance limits of 63-139%. Results may have greater uncertainty.
Carbon tetrachloride	Calibration verification below minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The Laboratory Control Sample for the analysis batch associated with this sample was below acceptance criteria. Results may have greateruncertainty. The LCS was below minimum acceptance limits; however, a low-level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low-level standard.
Endrin	The CCV for this analyte was above the acceptance criteria, however the analyte was not detected in the associated sample. Data may be fully useable under the 2009 TNI Standard.
Hexachloroethane	The recovery of LCS is 53%, which is outside the acceptance limits of 55-120%. Results may have greater uncertainty.
PCBs Total	The recoveries of one of the surrogates was outside the acceptance limits. Decachlorobiphenyl is 26% in the sample, which is outside the acceptance limits of 28-130%. Data may be biased low.
Tetrachloroethene	Calibration verification below minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The Laboratory Control Sample for the analysis batch associated with this sample was below acceptance criteria. Results may have greater uncertainty. The LCS was below minimum acceptance limits; however, a low-level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low-level standard.

Legend

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

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

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

D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: 

Name: Aaron Bitler

Title: Laboratory Manager

Date: 1/21/2020

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

SW WET Testing Grab

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

Report: BLS20200121-008
Report Date: 01/21/2020

WW191204-001 *SW123E* Composite 24h 12/04/2019 03:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Tetrachloroethene[B,D]	EPA 624.1			12/12/2019	11:27	<0.5[E]	µg/L	0.5	µg/L

Data Qualifiers:

Tetrachloroethene	Calibration verification below minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The Laboratory Control Sample for the analysis batch associated with this sample was below acceptance criteria. Results may have greater uncertainty. The LCS was below minimum acceptance limits; however, a low-level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low-level standard.

WW191205-010 *SW123E* Grab 12/05/2019 06:30

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Tetrachloroethene[B,D]	EPA 624.1			12/12/2019	16:55	<0.5[E]	µg/L	0.5	µg/L

Data Qualifiers:

Tetrachloroethene	Calibration verification below minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The Laboratory Control Sample for the analysis batch associated with this sample was below acceptance criteria. Results may have greateruncertainty. The LCS was below minimum acceptance limits; however, a low-level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low-level standard.

WW191206-001 *SW123E* Composite 24h 12/06/2019 03:00

Parameter	Analytical Method	Sample Preparation Date	Sample Preparation Time	Sample Analysis Date	Sample Analysis Time	Analysis Result	Units	Quantitation Limit	Units2
Tetrachloroethene[B,D]	EPA 624.1			12/12/2019	16:28	<0.5[E]	µg/L	0.5	µg/L

Data Qualifiers:

Tetrachloroethene	Calibration verification below minimum acceptance limits. A low level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low level standard. The Laboratory Control Sample for the analysis batch associated with this sample was below acceptance criteria. Results may have greater uncertainty. The LCS was below minimum acceptance limits; however, a low-level standard was analyzed to confirm detection. The reported analytes were below the concentration of the low-level standard.

Legend

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

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

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D - Test performed by a contract laboratory.

E - Analytical results from a contract laboratory.

Authorized by:

Signature: _____

Name: Aaron Bitler

Title: Laboratory Manager

Date: 1/21/2020