



# AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE REQUIREMENTS FOR PUBLICLY OWNED TREATMENT WORKS (POTWs)

**NPDES PERMIT NO: PA0025224**

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 *et seq.* ("the Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 *et seq.*,

**Saint Clair Sewer Authority Schuylkill County  
16 S 3rd Street  
Saint Clair, PA 17970-1207**

is authorized to discharge from a facility known as **St Clair Sewer Authority (SCSA) Public Owned Treatment Works (POTW) including Wastewater Treatment Plant (WWTP) and collection/conveyance system**, located in **East Norwegian Township, Schuylkill County**, to **Mill Creek (CWF, MF), and Unnamed Tributary No. 2354 to Mill Creek (CWF, MF)** in Watershed(s) **3-A** in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B and C hereof.

**THIS PERMIT SHALL BECOME EFFECTIVE ON** DRAFT

**THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON** DRAFT

The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. (40 CFR 122.41(a))
3. A complete application for renewal of this permit, or notice of intent to cease discharging by the expiration date, must be submitted to DEP at least 180 days prior to the above expiration date (unless permission has been granted by DEP for submission at a later date), using the appropriate NPDES permit application form. (40 CFR 122.41(b), 122.21(d))

In the event that a timely and complete application for renewal has been submitted and DEP is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports (DMRs), will be automatically continued and will remain fully effective and enforceable against the discharger until DEP takes final action on the pending permit application. (25 Pa. Code §§ 92a.7(b), (c))

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

**DATE PERMIT ISSUED** DRAFT

**ISSUED BY** DRAFT

**Amy M. Bellanca, P.E.  
Environmental Program Manager  
Northeast Regional Office**

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS**

I. A. For Outfall 001, Latitude 40° 42' 24.29", Longitude 76° 10' 35.76", River Mile Index -, Stream Code 2353

Receiving Waters: Mill Creek (CWF, MF)

Type of Effluent: Sewage Effluent

1. The permittee is authorized to discharge during the period from **Permit Effective Date** through **Third Year of Permit**.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)			Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type	
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum			Instant. Maximum
Aluminum, Total (ug/L)	Report	Report	XXX	Report	Report	XXX	1/month	24-Hr Composite
Copper, Total (ug/L)	Report	Report	XXX	Report	Report	XXX	1/month	24-Hr Composite
Lead, Total (ug/L)	Report	Report	XXX	Report	Report	XXX	1/month	24-Hr Composite
Ammonia-Nitrogen May 1 - Oct 31	Report	Report Daily Max	XXX	24.7	49.4	49.4	1/week	24-Hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at Outfall 001

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS**

I. B. For Outfall 001, Latitude 40° 42' 24.29", Longitude 76° 10' 35.76", River Mile Index -, Stream Code 2353

Receiving Waters: Mill Creek (CWF, MF)

Type of Effluent: Sewage Effluent

1. The permittee is authorized to discharge during the period from **Third Year of Permit** through **Permit Expiration Date**.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Aluminum, Total (ug/L)	Report	4.69	XXX	Report	750.0	750.0	1/week	24-Hr Composite
Copper, Total (ug/L)	0.16	0.21	XXX	25.4	34.0	63.5	1/week	24-Hr Composite
Lead, Total (ug/L)	0.060	0.093	XXX	9.58	14.9	23.9	1/week	24-Hr Composite
Ammonia-Nitrogen May 1 - Oct 31	Report	Report Daily Max	XXX	13.1	26.2	26.2	1/week	24-Hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at Outfall 001

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS**

I. C. For Outfall 001, Latitude 40° 42' 24.29", Longitude 76° 10' 35.76", River Mile Index -, Stream Code 2353

Receiving Waters: Mill Creek (CWF. MF)

Type of Effluent: Sewage Effluent

1. The permittee is authorized to discharge during the period from **Permit Effective Date** through **Permit Expiration Date**.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	3.0 Inst Min	XXX	XXX	XXX	1/day	Grab
Total Residual Chlorine (TRC)	XXX	XXX	XXX	Report	XXX	0.750	1/day*	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5)	156	250	XXX	25.0	40.0	50.0	1/week	24-Hr Composite
BOD5 Minimum % Removal (%)	Report** Min Mo Avg	XXX	XXX	XXX	XXX	XXX	1/month	Calculation
Total Suspended Solids	187.6	281.4	XXX	30.0	45.0	60.0	1/week	24-Hr Composite
Total Suspended Solids Minimum % Removal (%)	Report** Min Mo Avg	XXX	XXX	XXX	XXX	XXX	1/month	Calculation
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	1/week	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/week	Grab
E. Coli (No./100 ml)	XXX	XXX	XXX	XXX	XXX	Report	1/month	Grab

**Outfall 001 , Continued (from Permit Effective Date through Permit Expiration Date )**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Nitrate-Nitrite as N	Report	Report Daily Max	XXX	Report	Report Daily Max	XXX	1/month	24-Hr Composite
Total Nitrogen	Report	Report Daily Max	XXX	Report	Report Daily Max	XXX	1/month	Calculation
Ammonia-Nitrogen Nov 1 - Apr 30	Report	Report Daily Max	XXX	Report	Report Daily Max	XXX	1/week	24-Hr Composite
Total Kjeldahl Nitrogen	Report	Report Daily Max	XXX	Report	Report Daily Max	XXX	1/month	24-Hr Composite
Total Phosphorus	Report	Report Daily Max	XXX	Report	Report Daily Max	XXX	1/month	24-Hr Composite
Iron, Total (ug/L)	Report	Report Daily Max	XXX	Report	Report Daily Max	XXX	1/month	24-Hr Composite
Manganese, Total (ug/L)	Report	Report Daily Max	XXX	Report	Report Daily Max	XXX	1/month	24-Hr Composite
Zinc, Total (ug/L)	Report	Report Daily Max	XXX	Report	Report Daily Max	XXX	1/month	24-Hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at Outfall 001

\*Unless the Department allows reduction to Part C.I.D requirements in writing.

\*\*See Part A.I Additional Requirements Item 2 for the existing narrative Technology-Based Effluent Limit. SCSA may seek relief via LTCP Update addressing Chapter 92a.47(g, h) requirements.

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS**

I. D. For Outfall 002, Latitude 40° 42' 26.00", Longitude 76° 10' 35.00", River Mile Index -, Stream Code 2354

Receiving Waters: Unnamed Tributary to Mill Creek (CWF, MF)

Type of Effluent: Combined Sewer Overflow

1. The permittee is authorized to discharge during the period from **Permit Effective Date** through **Permit Expiration Date**.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Total Monthly	Daily Maximum	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD, cfs)	Report Avg Mo	Report	XXX	XXX	XXX	Report	Continuous	Measured
pH (S.U.)	XXX	XXX	Report	XXX	XXX	Report	Monthly when Discharging	Grab
Duration of Discharge (hours)	Report	Report Total Wkly*	XXX	XXX	XXX	XXX	Daily when Discharging	Measured
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	XXX	XXX	Report	Monthly When Discharging	Grab
E. Coli (No./100 ml)	XXX	XXX	XXX	XXX	XXX	Report	Monthly When Discharging	Grab
Rainfall (In)**	Report	Report	XXX	XXX	XXX	XXX	Daily when Discharging	Measured
Total Residual Chlorine (TRC)	XXX	XXX	XXX	Report	XXX	Report	See Permit***	Grab
Aluminum, Total (ug/L)	Report	Report	XXX	Report	Report	XXX	1/year	24-Hr Composite
Iron, Total (ug/L)	Report	Report	XXX	Report	Report	XXX	1/year	24-Hr Composite
Manganese, Total (ug/L)	Report	Report	XXX	Report	Report	XXX	1/year	24-Hr Composite

**Outfall 002 , Continued (from Permit Effective Date through Permit Expiration Date )**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Total Monthly	Daily Maximum	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Copper, Total (ug/L)	Report	Report	XXX	Report	Report	XXX	1/year	24-Hr Composite
Lead, Total (ug/L)	Report	Report	XXX	Report	Report	XXX	1/year	24-Hr Composite
Copper, Total (ug/L)	Report	Report	XXX	Report	Report	XXX	1/year	24-Hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at Outfall 002

\*Longest discharge duration for any week during the calendar month.

\*\*WWTP rain gage shall report all >0.01-inches precipitation events.

\*\*\*If chlorine disinfection is required per an approved CSO LTCP.

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS**

I. E. For Outfall 101, Latitude 40° 42' 24.29", Longitude 76° 10' 35.76", River Mile Index -, Stream Code 2353

Receiving Waters: Mill Creek (CWF, MF) through Treatment Plant

Type of Effluent: Raw Sewage Influent

1. The permittee is authorized to discharge during the period from **Permit Effective Date** through **Permit Expiration Date**.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD) Raw Sewage Influent	Report	Report	XXX	XXX	XXX	XXX	Continuous	Measured
Biochemical Oxygen Demand (BOD5) Raw Sewage Influent	Report	Report	XXX	Report	Report	XXX	1/month	24-Hr Composite
Total Suspended Solids Raw Sewage Influent	Report	Report	XXX	Report	Report	XXX	1/month	24-Hr Composite
Aluminum, Total (ug/L) Raw Sewage Influent	Report	Report	XXX	Report	Report	XXX	Upon Request	24-Hr Composite
Iron, Total (ug/L) Raw Sewage Influent	Report	Report	XXX	Report	Report	XXX	Upon Request	24-Hr Composite
Manganese, Total (ug/L) Raw Sewage Influent	Report	Report	XXX	Report	Report	XXX	Upon Request	24-Hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at Outfall 101 (at WWTP headworks)



**I. F IDENTIFICATION OF COMBINED SEWER OVERFLOW DISCHARGES**

The outfalls identified below serve as combined sewer overflows necessitated by storm water entering the sewer system and exceeding the hydraulic capacity of the sewers and/or the treatment plant and are permitted to discharge only for this reason. Dry weather discharges from these outfalls are prohibited. Each discharge shall be monitored for cause, frequency, duration, and quantity of flow. The data must be recorded on the CSO Supplemental Reports (3800-FM-BCW0441 and 0442) and shall be reported monthly as an attachment to the Discharge Monitoring Report (DMR) or as otherwise authorized in the permit.

Outfall No.*	Location Description	Receiving Stream Name	Location	
			Latitude	Longitude
002	MH-A (adjacent to WWTP) North of WWTP Headworks	Unnamed Tributary No. 2354 to Mill Creek (CWF, MF)	40° 42' 26.00"	-76° 10' 35.00"
003	MH No. 10 Mill Street & Caroline Street (downstream of CSO No. 004)	Mill Creek (CWF, MF)	40° 42' 48.00"	-76° 11' 6.00"
004	MH No. 11 Mill Street & Caroline Street (across stream from CSO No. 005)	Mill Creek (CWF, MF)	40° 42' 49.00"	-76° 11' 7.00"
005	MH No. 14 Second Street & Mill Creek (behind laundromat)	Mill Creek (CWF, MF)	40° 42' 49.00"	-76° 11' 9.00"
006	MH No. 32 Front Street and East Railroad Streets	Mill Creek (CWF, MF)	40° 43' 5.00"	-76° 11' 17.00"
008	MH No. 46 Mill Street & East Carroll Street (across Church parking lot)	Mill Creek (CWF, MF)	40° 43' 14.00"	-76° 11' 21.00"

\* All discharges of floating materials, oil, grease, scum, sheen and substances which produce color, tastes, odors, turbidity or settle to form deposits shall be controlled to levels which will not be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life.

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS  
(Continued)**

Additional Requirements

1. The permittee may not discharge:
  - a. Floating solids, scum, sheen or substances that result in observed deposits in the receiving water. (25 Pa Code § 92a.41(c))
  - b. Oil and grease in amounts that cause a film or sheen upon or discoloration of the waters of this Commonwealth or adjoining shoreline, or that exceed 15 mg/l as a daily average or 30 mg/l at any time (or lesser amounts if specified in this permit). (25 Pa. Code § 92a.47(a)(7), § 95.2(2))
  - c. Substances in concentration or amounts sufficient to be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life. (25 Pa Code § 93.6(a))
  - d. Foam or substances that produce an observed change in the color, taste, odor or turbidity of the receiving water, unless those conditions are otherwise controlled through effluent limitations or other requirements in this permit. For the purpose of determining compliance with this condition, DEP will compare conditions in the receiving water upstream of the discharge to conditions in the receiving water approximately 100 feet downstream of the discharge to determine if there is an observable change in the receiving water. (25 Pa Code § 92a.41(c))
2. The monthly average percent removal of BOD<sub>5</sub> or CBOD<sub>5</sub> and TSS must be at least 85% for POTW facilities on a concentration basis except where 25 Pa. Code 92a.47(g) and (h) are applicable to facilities with combined sewer overflows (CSOs) or as otherwise specified in this permit. (25 Pa. Code § 92a.47(a)(3))
3. If the permit requires the reporting of average weekly statistical results, the maximum weekly average concentration and maximum weekly average mass loading shall be reported, regardless of whether the results are obtained for the same or different weeks.
4. The permittee shall monitor the sewage effluent discharge(s) for the effluent parameters identified in the Part A limitations table(s) during all bypass events at the facility, using the sample types that are specified in the limitations table(s). Where the required sample type is "composite", the permittee must commence sample collection within one hour of the start of the bypass, wherever possible. The results shall be reported on the Daily Effluent Monitoring supplemental form (3800-FM-BCW0435) and be incorporated into the calculations used to report self-monitoring data on Discharge Monitoring Reports (DMRs).

Footnotes

- (1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured and recorded.
- (2) This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.

Supplemental Information

- (1) The hydraulic design capacity of 0.75 million gallons per day for the treatment facility is used to prepare the annual Municipal Wasteload Management Report to help determine whether a "hydraulic overload" situation exists, as defined in Title 25 Pa. Code Chapter 94.
- (2) The effluent limitations for Outfall 001 were determined using an effluent discharge rate of 0.75 MGD.
- (3) The organic design capacity of 1275 lbs BOD<sub>5</sub> per day for the treatment facility is used to prepare the annual Municipal Wasteload Management Report to determine whether an "organic overload" condition exists, as defined in 25 Pa. Code Chapter 94.

- (4) Total Nitrogen is the sum of Total Kjeldahl-N (TKN) plus Nitrite-Nitrate as N ( $\text{NO}_2+\text{NO}_3\text{-N}$ ), where TKN and  $\text{NO}_2+\text{NO}_3\text{-N}$  are measured in the same sample.

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## II. DEFINITIONS

*At Outfall (XXX)* means a sampling location in outfall line XXX below the last point at which wastes are added to outfall line (XXX), or where otherwise specified.

*Average* refers to the use of an arithmetic mean, unless otherwise specified in this permit. (40 CFR 122.41(l)(4)(iii))

*Best Management Practices (BMPs)* means schedules of activities, prohibitions of practices, maintenance procedures and other management practices to prevent or reduce the pollutant loading to surface waters of the Commonwealth. The term also includes treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. The term includes activities, facilities, measures, planning or procedures used to minimize accelerated erosion and sedimentation and manage stormwater to protect, maintain, reclaim, and restore the quality of waters and the existing and designated uses of waters within this Commonwealth before, during and after earth disturbance activities. (25 Pa. Code § 92a.2)

*Bypass* means the intentional diversion of waste streams from any portion of a treatment facility. (40 CFR 122.41(m)(1)(i))

*Calendar Week* is defined as the seven consecutive days from Sunday through Saturday, unless the permittee has been given permission by DEP to provide weekly data as Monday through Friday based on showing excellent performance of the facility and a history of compliance. In cases when the week falls in two separate months, the month with the most days in that week shall be the month for reporting.

*Clean Water Act* means the Federal Water Pollution Control Act, as amended (33 U.S.C.A. §§ 1251 to 1387).

*Composite Sample* (for all except GC/MS volatile organic analysis) means a combination of individual samples (at least eight for a 24-hour period or four for an 8-hour period) of at least 100 milliliters (mL) each obtained at spaced time intervals during the compositing period. The composite must be flow-proportional; either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval is proportional to the flow rates over the time period used to produce the composite. (EPA Form 2C)

*Composite Sample* (for GC/MS volatile organic analysis) consists of at least four aliquots or grab samples collected during the sampling event (not necessarily flow proportioned). The samples must be combined in the laboratory immediately before analysis and then one analysis is performed. (EPA Form 2C)

*Daily Average Temperature* means the average of all temperature measurements made, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar day or during the operating day if flows are of a shorter duration.

*Daily Discharge* means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day. (25 Pa. Code § 92a.2, 40 CFR 122.2)

*Daily Maximum Discharge Limitation* means the highest allowable "daily discharge."

*Discharge Monitoring Report (DMR)* means the DEP or EPA supplied form(s) for the reporting of self-monitoring results by the permittee. (25 Pa. Code § 92a.2, 40 CFR 122.2)

*Estimated Flow* means any method of liquid volume measurement based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters and batch discharge volumes.

*Geometric Mean* means the average of a set of n sample results given by the n<sup>th</sup> root of their product.

**Grab Sample** means an individual sample of at least 100 mL collected at a randomly selected time over a period not to exceed 15 minutes. (EPA Form 2C)

**Hauled-In Wastes** means any waste that is introduced into a treatment facility through any method other than a direct connection to the sewage collection system. The term includes wastes transported to and disposed of within the treatment facility or other entry points within the collection system.

**Hazardous Substance** means any substance designated under 40 CFR Part 116 pursuant to Section 311 of the Clean Water Act. (40 CFR 122.2)

**Immersion Stabilization** (i-s) means a calibrated device is immersed in the wastewater until the reading is stabilized.

**Indirect Discharger** means a non-domestic discharger introducing pollutants to a Publicly Owned Treatment Works (POTW) or other treatment works. (25 Pa. Code § 92a.2, 40 CFR 122.2)

**Industrial User** means a source of Indirect Discharge. (40 CFR 403.3)

**Instantaneous Maximum Effluent Limitation** means the highest allowable discharge of a concentration or mass of a substance at any one time as measured by a grab sample. (25 Pa. Code § 92a.2)

**Measured Flow** means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.

**Monthly Average Discharge Limitation** means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month. (25 Pa. Code § 92a.2)

**Municipality** means a city, town, borough, county, township, school district, institution, authority or other public body created by or pursuant to State law and having jurisdiction over disposal of sewage, industrial wastes, or other wastes. (25 Pa. Code § 92a.2)

**Municipal Waste** means garbage, refuse, industrial lunchroom or office waste and other material, including solid, liquid, semisolid or contained gaseous material resulting from operation of residential, municipal, commercial or institutional establishments and from community activities; and sludge not meeting the definition of residual or hazardous waste under this section from a municipal, commercial or institutional water supply treatment plant, waste water treatment plant or air pollution control facility. (25 Pa. Code § 271.1)

**Publicly Owned Treatment Works (POTW)** means a treatment works as defined by §212 of the Clean Water Act, owned by a state or municipality. The term includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. The term also includes sewers, pipes or other conveyances if they convey wastewater to a POTW providing treatment. The term also means the municipality as defined in section 502(4) of the Clean Water Act, which has jurisdiction over the indirect discharges to and the discharges from such a treatment works. (25 Pa Code § 92a.2, 40 CFR 122.2)

**Residual Waste** means garbage, refuse, other discarded material or other waste, including solid, liquid, semisolid or contained gaseous materials resulting from industrial, mining and agricultural operations and sludge from an industrial, mining or agricultural water supply treatment facility, wastewater treatment facility or air pollution control facility, if it is not hazardous. The term does not include coal refuse as defined in the Coal Refuse Disposal Control Act. The term does not include treatment sludges from coal mine drainage treatment plants, disposal of which is being carried on under and in compliance with a valid permit issued under the Clean Streams Law. (25 Pa Code § 287.1)

**Severe Property Damage** means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production. (40 CFR 122.41(m)(1)(ii))

**Stormwater** means the runoff from precipitation, snow melt runoff, and surface runoff and drainage. (25 Pa. Code § 92a.2)

*Stormwater Associated With Industrial Activity* means the discharge from any conveyance that is used for collecting and conveying stormwater and that is directly related to manufacturing, processing or raw materials storage areas at an industrial plant, and as defined at 40 CFR §122.26(b)(14)(i) – (ix) and (xi) and 25 Pa. Code § 92a.2.

*Toxic Pollutant* means those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains may, on the basis of information available to DEP cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in these organisms or their offspring. (25 Pa. Code § 92a.2)

*Weekly Average Discharge Limitation* means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week.

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### III. SELF-MONITORING, REPORTING AND RECORDKEEPING

#### A. Representative Sampling

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity (40 CFR 122.41(j)(1)). Representative sampling includes the collection of samples, where possible, during periods of adverse weather, changes in treatment plant performance and changes in treatment plant loading. If possible, effluent samples must be collected where the effluent is well mixed near the center of the discharge conveyance and at the approximate mid-depth point, where the turbulence is at a maximum and the settlement of solids is minimized. (40 CFR 122.48, 25 Pa. Code § 92a.61)

2. Records Retention (40 CFR 122.41(j)(2))

Except for records of monitoring information required by this permit related to the permittee's sludge use and disposal activities which shall be retained for a period of at least 5 years, all records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for 3 years from the date of the sample measurement, report or application, unless a longer retention period is required by the permit. The 3-year period shall be extended as requested by DEP or the EPA Regional Administrator.

3. Recording of Results (40 CFR 122.41(j)(3))

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The exact place, date and time of sampling or measurements.
- b. The person(s) who performed the sampling or measurements.
- c. The date(s) the analyses were performed.
- d. The person(s) who performed the analyses.
- e. The analytical techniques or methods used; and the associated detection level.
- f. The results of such analyses.

4. Test Procedures

- a. Facilities that test or analyze environmental samples used to demonstrate compliance with this permit shall be in compliance with laboratory accreditation requirements of Act 90 of 2002 (27 Pa. C.S. §§ 4101-4113) and 25 Pa. Code Chapter 252, relating to environmental laboratory accreditation.
- b. Test procedures (methods) for the analysis of pollutants or pollutant parameters shall be those approved under 40 CFR Part 136 or required under 40 CFR Chapter I, Subchapters N or O, unless the method is specified in this permit or has been otherwise approved in writing by DEP. (40 CFR 122.41(j)(4), 122.44(i)(1)(iv))
- c. Test procedures (methods) for the analysis of pollutants or pollutant parameters shall be sufficiently sensitive. A method is sufficiently sensitive when 1) the method minimum level is at or below the level of the effluent limit established in the permit for the measured pollutant or pollutant parameter; or 2) the method has the lowest minimum level of the analytical methods approved under 40 CFR Part 136 or required under 40 CFR Chapter I, Subchapters N or O, for the measured pollutant or pollutant parameter; or 3) the method is specified in this permit or has been otherwise approved in writing by DEP for the measured pollutant or pollutant parameter. Permittees have the option of providing matrix or sample-specific minimum levels rather than the published levels. (40 CFR 122.44(i)(1)(iv))

5. Quality/Assurance/Control

In an effort to assure accurate self-monitoring analyses results:

- a. The permittee, or its designated laboratory, shall participate in the periodic scheduled quality assurance inspections conducted by DEP and EPA. (40 CFR 122.41(e), 122.41(i)(3))
- b. The permittee, or its designated laboratory, shall develop and implement a program to assure the quality and accurateness of the analyses performed to satisfy the requirements of this permit, in accordance with 40 CFR Part 136. (40 CFR 122.41(j)(4))

B. Reporting of Monitoring Results

1. The permittee shall effectively monitor the operation and efficiency of all wastewater treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this permit. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.44, 92a.61(i) and 40 CFR §§ 122.41(e), 122.44(i)(1))
2. The permittee shall use DEP's electronic Discharge Monitoring Report (eDMR) system to report the results of compliance monitoring under this permit (see [www.dep.pa.gov/edmr](http://www.dep.pa.gov/edmr)). Permittees that are not using the eDMR system as of the effective date of this permit shall submit the necessary registration and trading partner agreement forms to DEP's Bureau of Clean Water (BCW) within 30 days of the effective date of this permit and begin using the eDMR system when notified by DEP BCW to do so. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.61(g) and 40 CFR § 122.41(l)(4))
3. Submission of a physical (paper) copy of a Discharge Monitoring Report (DMR) is acceptable under the following circumstances:
  - a. For a permittee that is not yet using the eDMR system, the permittee shall submit a physical copy of a DMR to the DEP regional office that issued the permit during the interim period between the submission of registration and trading partner agreement forms to DEP and DEP's notification to begin using the eDMR system.
  - b. For any permittee, as a contingency a physical DMR may be mailed to the DEP regional office that issued the permit if there are technological malfunction(s) that prevent the successful submission of a DMR through the eDMR system. In such situations, the permittee shall submit the DMR through the eDMR system within 5 days following remedy of the malfunction(s).
4. DMRs must be completed in accordance with DEP's published DMR instructions (3800-FM-BCW0463). DMRs must be received by DEP no later than 28 days following the end of the monitoring period. DMRs are based on calendar reporting periods and must be received by DEP in accordance with the following schedule:
  - Monthly DMRs must be received within 28 days following the end of each calendar month.
  - Quarterly DMRs must be received within 28 days following the end of each calendar quarter, i.e., January 28, April 28, July 28, and October 28.
  - Semiannual DMRs must be received within 28 days following the end of each calendar semiannual period, i.e., January 28 and July 28.
  - Annual DMRs must be received by January 28, unless Part C of this permit requires otherwise.
5. The permittee shall complete all Supplemental Reporting forms (Supplemental DMRs) attached to this permit, or an approved equivalent, and submit the signed, completed forms as attachments to the DMR, through DEP's eDMR system. DEP's Supplemental Laboratory Accreditation Form (3800-FM-BCW0189) must be completed and submitted to DEP with the first DMR following issuance of this permit, and anytime thereafter when changes to laboratories or methods occur. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.61(g) and 40 CFR § 122.41(l)(4))
6. The completed DMR Form shall be signed and certified by either of the following applicable persons, as defined in 25 Pa. Code § 92a.22:



- For a corporation - by a principal executive officer of at least the level of vice president, or an authorized representative, if the representative is responsible for the overall operation of the facility from which the discharge described in the NPDES form originates.
- For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.
- For a municipality, state, federal or other public agency - by a principal executive officer or ranking elected official.

If signed by a person other than the above and for co-permittees, written notification of delegation of DMR signatory authority must be submitted to DEP in advance of or along with the relevant DMR form. (40 CFR § 122.22(b))

7. If the permittee monitors any pollutant at monitoring points as designated by this permit, using analytical methods described in Part A III.A.4. herein, more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR. (40 CFR 122.41(l)(4)(ii))

### C. Reporting and Notification Requirements

1. Planned Changes to Physical Facilities – The permittee shall give notice to DEP as soon as possible but no later than 30 days prior to planned physical alterations or additions to the permitted facility. A permit under 25 Pa. Code Chapter 91 may be required for these situations prior to implementing the planned changes. A permit application, or other written submission to DEP, can be used to satisfy the notification requirements of this section.

Notice is required when:

- a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR 122.29(b). (40 CFR 122.41(l)(1)(i))
  - b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are not subject to effluent limitations in this permit. (40 CFR 122.41(l)(1)(ii))
  - c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan. (40 CFR 122.41(l)(1)(iii))
  - d. The planned change may result in noncompliance with permit requirements. (40 CFR 122.41(l)(2))
2. Planned Changes to Waste Stream – Under the authority of 25 Pa. Code § 92a.24(a) and 40 CFR 122.42(b), the permittee shall provide notice to DEP and EPA as soon as possible but no later than 45 days prior to any planned changes in the volume or pollutant concentration of its influent waste stream as a result of indirect discharges or hauled-in wastes, as specified in paragraphs 2.a. and 2.b., below. Notice shall be provided on the "Planned Changes to Waste Stream" Supplemental Report (3800-FM-BCW0482), available on DEP's website. The permittee shall provide information on the quality and quantity of waste introduced into the POTW, and any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW (40 CFR 122.42(b)(3)). The Report shall be sent via Certified Mail or other means to confirm DEP's receipt of the notification. DEP will determine if the submission of a new application and receipt of a new or amended permit is required.
    - a. Introduction of New Pollutants (25 Pa. Code § 92a.24(a), 40 CFR 122.42(b)(1))

New pollutants are defined as parameters that meet one or more of the following criteria:

- (i) Any pollutants that were not detected in the facilities' influent waste stream as reported in the permit application; and have not been approved to be included in the permittee's influent waste stream by DEP in writing.
- (ii) Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to Sections 301 or 306 of the Clean Water Act if it were directly discharging those pollutants (40 CFR 122.42(b)(1)).

The permittee shall provide notification of the introduction of new pollutants in accordance with paragraph 2 above. The permittee may not authorize the introduction of new pollutants until the permittee receives DEP's written approval.

b. Increased Loading of Approved Pollutants (25 Pa. Code § 92a.24(a), 40 CFR 122.42(b)(2))

Approved pollutants are defined as parameters that meet one or more of the following criteria:

- (i) Were detected in the facilities' influent waste stream as reported in the permittee's permit application; or have been previously approved to be included in the permittee's influent waste stream by DEP in writing.
- (ii) Have an effluent limitation or monitoring requirement in this permit.

The permittee shall provide notification of the introduction of increased influent loading (lbs/day) of approved pollutants in accordance with paragraph 2 above when (1) the cumulative increase in influent loading (lbs/day) exceeds 20% of the maximum loading reported in the permit application, or a loading previously approved by DEP and/or EPA, or (2) may cause an exceedance in the effluent of Effluent Limitation Guidelines (ELGs) or limitations in Part A of this permit, or (3) may cause interference or pass through at the POTW (as defined at 40 CFR 403.3), or (4) may cause exceedances of the applicable water quality standards in the receiving stream. Unless specified otherwise in this permit, if DEP does not respond to the notification within 30 days of its receipt, the permittee may proceed with the increase in loading. The acceptance of increased loading of approved pollutants may not result in an exceedance of ELGs or effluent limitations, may not result in a hydraulic or organic overload condition as defined in 25 Pa. Code § 94.1, and may not cause exceedances of the applicable water quality standards in the receiving stream.

3. Reporting Requirements for Hauled-In Wastes

a. Receipt of Residual Waste

- (i) The permittee shall document the receipt of all hauled-in residual wastes (including but not limited to wastewater from conventional oil and gas wells, food processing waste, and landfill leachate), as defined at 25 Pa. Code § 287.1, that are received for processing at the treatment facility. The permittee shall report hauled-in residual wastes on a monthly basis to DEP on the "Hauled In Residual Wastes" Supplemental Report (3800-FM-BCW0450) as an attachment to the DMR. If no residual wastes were received during a month, submission of the Supplemental Report is not required.

The following information is required by the Supplemental Report. The information used to develop the Report shall be retained by the permittee for five years from the date of receipt and must be made available to DEP or EPA upon request.

- (1) The dates that residual wastes were received.
- (2) The volume (gallons) of wastes received.
- (3) The license plate number of the vehicle transporting the waste to the treatment facility.
- (4) The permit number(s) of the well(s) where residual wastes were generated, if applicable.

- (5) The name and address of the generator of the residual wastes.
- (6) The type of wastewater.

The transporter of residual waste must maintain these and other records as part of the daily operational record (25 Pa. Code § 299.219). If the transporter is unable to provide this information or the permittee has not otherwise received the information from the generator, the residual wastes shall not be accepted by the permittee until such time as the permittee receives such information from the transporter or generator.

- (ii) In accordance with 40 CFR Part 435, Subpart C, the permittee shall not accept wastewater pollutants associated with production, field exploration, drilling, well completion, or well treatment for unconventional oil and gas extraction (including, but not limited to, drilling muds, drill cuttings, produced sand, produced water). Unconventional oil and gas means crude oil and natural gas produced by a well drilled into a shale and/or tight formation (including, but not limited to, shale gas, shale oil, tight gas, and tight oil). This prohibition does not apply to wastewater generated from stripper wells as defined at 40 CFR Part 435, Subpart F.
- (iii) If the generator is required to complete a chemical analysis of residual wastes in accordance with 25 Pa. Code § 287.51, the permittee must receive and maintain on file a chemical analysis of the residual wastes it receives. The chemical analysis must conform to the Bureau of Waste Management's Form 26R. Each load of residual waste received must be covered by a chemical analysis if the generator is required to complete it.

b. Receipt of Municipal Waste

- (i) The permittee shall document the receipt of all hauled-in municipal wastes (including but not limited to septage and liquid sewage sludge), as defined at 25 Pa. Code § 271.1, that are received for processing at the treatment facility. The permittee shall report hauled-in municipal wastes on a monthly basis to DEP on the "Hauled In Municipal Wastes" Supplemental Report (3800-FM-BCW0437) as an attachment to the DMR. If no municipal wastes were received during a month, submission of the Supplemental Report is not required.

The following information is required by the Supplemental Report:

- (1) The dates that municipal wastes were received.
  - (2) The volume (gallons) of wastes received.
  - (3) The BOD<sub>5</sub> concentration (mg/l) and load (lbs) for the wastes received.
  - (4) The location(s) where wastes were disposed of within the treatment facility.
- (ii) Sampling and analysis of hauled-in municipal wastes must be completed to characterize the organic strength of the wastes, unless composite sampling of influent wastewater is performed at a location downstream of the point of entry for the wastes. The influent BOD<sub>5</sub> characterization for the treatment facility, as reported in the annual Municipal Wasteload Management Report per 25 Pa. Code Chapter 94, must be representative of the hauled-in municipal wastes received.

4. Unanticipated Noncompliance or Potential Pollution Reporting

- a. Immediate Reporting - The permittee shall immediately report any incident causing or threatening pollution in accordance with the requirements of 25 Pa. Code §§ 91.33 and 92a.41(b).
- (i) If, because of an accident, other activity or incident a toxic substance or another substance which would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property, the permittee shall immediately notify DEP by telephone of the location and nature of the danger. Oral notification to the Department is required as soon as possible, but no later than 4 hours after the permittee becomes aware of the incident causing or threatening pollution.
  - (ii) If reasonably possible to do so, the permittee shall immediately notify downstream users of the waters of the Commonwealth to which the substance was discharged. Such notice shall include the location and nature of the danger.
  - (iii) The permittee shall immediately take or cause to be taken steps necessary to prevent injury to property and downstream users of the waters from pollution or a danger of pollution and, in addition, within 15 days from the incident, shall remove the residual substances contained thereon or therein from the ground and from the affected waters of this Commonwealth to the extent required by applicable law.
- b. The permittee shall report any noncompliance which may endanger health or the environment in accordance with the requirements of 40 CFR 122.41(l)(6). These requirements include the following obligations:
- (i) 24 Hour Reporting - The permittee shall orally report any noncompliance with this permit which may endanger health or the environment within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which must be reported within 24 hours under this paragraph (40 CFR 122.41(l)(6)(ii)):
    - (1) Any unanticipated bypass which exceeds any effluent limitation in the permit;
    - (2) Any upset which exceeds any effluent limitation in the permit; and
    - (3) Violation of the maximum daily discharge limitation for any of the pollutants listed in the permit as being subject to the 24-hour reporting requirement.
  - (ii) Written Report - A written submission shall also be provided within 5 days of the time the permittee becomes aware of any noncompliance which may endanger health or the environment. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
  - (iii) Waiver of Written Report - DEP may waive the written report on a case-by-case basis if the associated oral report has been received within 24 hours from the time the permittee becomes aware of the circumstances which may endanger health or the environment. Unless such a waiver is expressly granted by DEP, the permittee shall submit a written report in accordance with this paragraph. (40 CFR 122.41(l)(6)(iii))

5. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraph C.4 of this section or specific requirements of compliance schedules, at the time DMRs are submitted, on the Non-Compliance Reporting Form (3800-FM-BCW0440). The reports shall contain the information listed in paragraph C.4.b.(ii) of this section. (40 CFR 122.41(l)(7))

D. Annual Fee (25 Pa. Code § 92a.62)

Permittees shall pay an annual fee in accordance with 25 Pa. Code § 92a.62. As of the effective date of this permit, the facility covered by the permit is classified in the **Minor Sewage Facility with CSO** fee category, which has an annual fee of **\$2,500**.

Invoices for annual fees will be mailed to permittees approximately three months prior to the due date. In the event that an invoice is not received, the permittee is nonetheless responsible for payment. Permittees may contact the DEP at 717-787-6744 with questions related to annual fees. The fee identified above is subject to change if DEP publishes changes to 25 Pa. Code § 92a.62.

Payment for annual fees shall be remitted to DEP at the address below or through DEP's electronic payment system ([www.depgreenport.state.pa.us/NPDESpay](http://www.depgreenport.state.pa.us/NPDESpay)) by the due date specified on the invoice. Checks, if used for payment, should be made payable to the Commonwealth of Pennsylvania.

PA Department of Environmental Protection  
Bureau of Clean Water  
Re: Chapter 92a Annual Fee  
P.O. Box 8466  
Harrisburg, PA 17105-8466

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**PART B**

**I. MANAGEMENT REQUIREMENTS**

A. Compliance

1. The permittee shall comply with all conditions of this permit. If a compliance schedule has been established in this permit, the permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in this permit. (40 CFR 122.41(a)(1))
2. The permittee shall submit reports of compliance or noncompliance, or progress reports as applicable, for any interim and final requirements contained in this permit. Such reports shall be submitted no later than 14 days following the applicable schedule date or compliance deadline. (25 Pa. Code § 92a.51(c), 40 CFR 122.47(a)(4))

B. Permit Modification, Termination, or Revocation and Reissuance

1. This permit may be modified, terminated, or revoked and reissued during its term in accordance with 25 Pa. Code § 92a.72 and 40 CFR 122.41(f).
2. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition. (40 CFR 122.41(f))
3. In the absence of DEP action to modify or revoke and reissue this permit, the permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time specified in the regulations that establish those standards or prohibitions. (40 CFR 122.41(a)(1))

C. Duty to Provide Information

1. The permittee shall furnish to DEP, within a reasonable time, any information which DEP may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. (40 CFR 122.41(h))
2. The permittee shall furnish to DEP, upon request, copies of records required to be kept by this permit. (40 CFR 122.41(h))
3. Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to DEP, it shall promptly submit the correct and complete facts or information. (40 CFR 122.41(l)(8))
4. The permittee shall provide the following information in the annual Municipal Wasteload Management Report, required under the provisions of Title 25 Pa. Code Chapter 94:
  - a. The requirements identified in 25 Pa. Code § 94.12.
  - b. The identity of any indirect discharger(s) served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the POTW shall also specify the total volume of discharge and estimated concentration of each pollutant discharged into the POTW by the indirect discharger.
  - c. A "Solids Management Inventory" if specified in Part C of this permit.
  - d. The total volume of hauled-in residual and municipal wastes received during the year, by source.
  - e. The Annual Report requirements for permittees required to implement an industrial pretreatment program listed in Part C, as applicable.

#### D. General Pretreatment Requirements

1. Any POTW (or combination of POTWs operated by the same authority) with a total design flow greater than 5 million gallons per day (MGD) and receiving from industrial users pollutants which pass through or interfere with the operation of the POTW or are otherwise subject to Pretreatment Standards will be required to establish a POTW Pretreatment Program unless specifically exempted by the Approval Authority. A POTW with a design flow of 5 MGD or less may be required to develop a POTW Pretreatment Program if the Approval Authority finds that the nature or volume of the industrial influent, treatment process upsets, violations of effluent limitations, contamination of sludge, or other circumstances warrant in order to prevent interference or pass through. (40 CFR 403.8)
2. Each POTW with an approved Pretreatment Program pursuant to 40 CFR 403.8 shall develop and enforce specific limits to implement the prohibitions listed in 40 CFR 403.5(a)(1) and (b), and shall continue to develop these limits as necessary and effectively enforce such limits. This condition applies, for example, when there are planned changes to the waste stream as identified in Part A III.C.2. If the permittee is required to develop or continue implementation of a Pretreatment Program, detailed requirements will be contained in Part C of this permit.
3. For all POTWs, where pollutants contributed by indirect dischargers result in interference or pass through, and a violation is likely to recur, the permittee shall develop and enforce specific limits for indirect dischargers and other users, as appropriate, that together with appropriate facility or operational changes, are necessary to ensure renewed or continued compliance with this permit or sludge use or disposal practices. Where POTWs do not have an approved Pretreatment Program, the permittee shall submit a copy of such limits to DEP when developed. (25 Pa. Code § 92a.47(d))

#### E. Proper Operation and Maintenance

1. The permittee shall employ operators certified in compliance with the Water and Wastewater Systems Operators Certification Act (63 P.S. §§ 1001-1015.1).
2. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes, but is not limited to, adequate laboratory controls including appropriate quality assurance procedures. This provision also includes the operation of backup or auxiliary facilities or similar systems that are installed by the permittee, only when necessary to achieve compliance with the terms and conditions of this permit. (40 CFR 122.41(e))

#### F. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge, sludge use or disposal in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment. (40 CFR 122.41(d))

#### G. Bypassing

1. Bypassing Not Exceeding Permit Limitations - The permittee may allow a bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions in paragraphs two, three and four of this section. (40 CFR 122.41(m)(2))
2. Other Bypassing - In all other situations, bypassing is prohibited and DEP may take enforcement action against the permittee for bypass unless:
  - a. A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage." (40 CFR 122.41(m)(4)(i)(A))
  - b. There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This

condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance. (40 CFR 122.41(m)(4)(i)(B))

c. The permittee submitted the necessary notice required in paragraph G.4 below. (40 CFR 122.41(m)(4)(i)(C))

3. DEP may approve an anticipated bypass, after considering its adverse effects, if DEP determines that it will meet the conditions listed in paragraph G.2 above. (40 CFR 122.41(m)(4)(ii))

4. Notice

a. Anticipated Bypass – If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible, at least 10 days before the bypass. (40 CFR 122.41(m)(3)(i))

b. Unanticipated Bypass – The permittee shall submit oral notice of any other unanticipated bypass within 24 hours, regardless of whether the bypass may endanger health or the environment or whether the bypass exceeds effluent limitations. The notice shall be in accordance with Part A III.C.4.b.

H. Sanitary Sewer Overflows (SSOs)

An SSO is an overflow of wastewater, or other untreated discharge from a separate sanitary sewer system (which is not a combined sewer system), which results from a flow in excess of the carrying capacity of the system or from some other cause prior to reaching the headworks of the sewage treatment facility. SSOs are not authorized under this permit. The permittee shall immediately report any SSO to DEP in accordance with Part A III.C.4 of this permit.

I. Termination of Permit Coverage (25 Pa. Code § 92a.74 and 40 CFR 122.64)

1. Notice of Termination (NOT) – If the permittee plans to cease operations or will otherwise no longer require coverage under this permit, the permittee shall submit DEP's NPDES Notice of Termination (NOT) for Permits Issued Under Chapter 92a (3800-BCW-0410), signed in accordance with Part A III.B.6 of this permit, at least 30 days prior to cessation of operations or the date by which coverage is no longer required.

2. Where the permittee plans to cease operations, NOTs must be accompanied with an operation closure plan that identifies how tankage and equipment will be decommissioned and how pollutants will be managed.

3. The permittee shall submit the NOT to the DEP regional office with jurisdiction over the county in which the operation is located.

## II. PENALTIES AND LIABILITY

A. Violations of Permit Conditions

Any person violating Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act or any permit condition or limitation implementing such sections in a permit issued under Section 402 of the Act is subject to civil, administrative and/or criminal penalties as set forth in 40 CFR 122.41(a)(2).

Any person or municipality, who violates any provision of this permit; any rule, regulation or order of DEP; or any condition or limitation of any permit issued pursuant to the Clean Streams Law, is subject to criminal and/or civil penalties as set forth in Sections 602, 603 and 605 of the Clean Streams Law.

B. Falsifying Information

Any person who does any of the following:



- Falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit, or
- Knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit (including monitoring reports or reports of compliance or noncompliance)

Shall, upon conviction, be punished by a fine and/or imprisonment as set forth in 18 Pa.C.S.A § 4904 and 40 CFR 122.41(j)(5) and (k)(2).

#### C. Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance pursuant to Section 309 of the Clean Water Act or Sections 602, 603 or 605 of the Clean Streams Law.

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject to under the Clean Water Act and the Clean Streams Law.

#### D. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. (40 CFR 122.41(c))

### III. OTHER RESPONSIBILITIES

#### A. Right of Entry

Pursuant to Sections 5(b) and 305 of Pennsylvania's Clean Streams Law, and Title 25 Pa. Code Chapter 92a and 40 CFR 122.41(i), the permittee shall allow authorized representatives of DEP and EPA, upon the presentation of credentials and other documents as may be required by law:

1. To enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit; (40 CFR 122.41(i)(1))
2. To have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit; (40 CFR 122.41(i)(2))
3. To inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit; and (40 CFR 122.41(i)(3))
4. To sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act or the Clean Streams Law, any substances or parameters at any location. (40 CFR 122.41(i)(4))

#### B. Transfer of Permits

1. Transfers by modification. Except as provided in paragraph 2 of this section, a permit may be transferred by the permittee to a new owner or operator only if this permit has been modified or revoked and reissued, or a minor modification made to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act. (40 CFR 122.61(a))
2. Automatic transfers. As an alternative to transfers under paragraph 1 of this section, any NPDES permit may be automatically transferred to a new permittee if:
  - a. The current permittee notifies DEP at least 30 days in advance of the proposed transfer date in paragraph 2.b. of this section; (40 CFR 122.61(b)(1))

- b. The notice includes the appropriate DEP transfer form signed by the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between them; and (40 CFR 122.61(b)(2))
  - c. DEP does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue this permit, the transfer is effective on the date specified in the agreement mentioned in paragraph 2.b. of this section. (40 CFR 122.61(b)(3))
  - d. The new permittee is in compliance with existing DEP issued permits, regulations, orders and schedules of compliance, or has demonstrated that any noncompliance with the existing permits has been resolved by an appropriate compliance action or by the terms and conditions of the permit (including compliance schedules set forth in the permit), consistent with 25 Pa. Code § 92a.51 (relating to schedules of compliance) and other appropriate Department regulations. (25 Pa. Code § 92a.71)
3. In the event DEP does not approve transfer of this permit, the new owner or operator must submit a new permit application.

C. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege. (40 CFR 122.41(g))

D. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for a new permit. (40 CFR 122.41(b))

E. Other Laws

The issuance of this permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of state or local law or regulations.

**PART C**

**I. OTHER REQUIREMENTS**

- A. No storm water from pavements, area ways, roofs, foundation drains or other sources shall be directly admitted to the separated sanitary sewers associated with the herein approved discharge.
- B. The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance or replacement of all sewers or sewerage structures associated with the herein approved discharge in, along, or across private property, with full rights of ingress, egress and regress.
- C. Collected screenings, slurries, sludges, and other solids shall be handled and disposed of in compliance with 25 Pa. Code, Chapters 271, 273, 275, 283, and 285 (related to permits and requirements for landfilling, land application, incineration, and storage of sewage sludge), Federal Regulation 40 CFR 257, Pennsylvania Clean Streams Law, Pennsylvania Solid Waste Management Act of 1980, and the Federal Clean Water Act and its amendments. The permittee is responsible to obtain or assure that contracted agents have all necessary permits and approvals for the handling, storage, transport, and disposal of solid waste materials generated as a result of wastewater treatment.
- D. UV disinfection is the approved method of disinfection for Outfall No. 001. The permittee shall optimize chlorine dosages used for disinfection or other purposes to minimize the concentration of Total Residual Chlorine (TRC) in the effluent, meet applicable effluent limitations, and reduce the possibility of adversely affecting the receiving waters. Optimization efforts may include an evaluation of wastewater characteristics, mixing characteristics, and contact times, adjustments to process controls, and maintenance of the disinfection facilities. If DEP determines that effluent TRC is causing adverse water quality impacts, DEP may reopen this permit to apply new or more stringent effluent limitations and/or require implementation of control measures or operational practices to eliminate such impacts.

See Part A.I.C requirements. Where the permittee does not use chlorine for primary or backup disinfection (in event of UV system failure), but proposes the use of chlorine for cleaning or other purposes, the following monitoring and reporting requirements pertain:

- 1. Daily, when using chlorine, the operator shall take grab samples to measure the TRC instantaneous maximum.
  - 2. In addition to the average monthly value and instantaneous maximum value DMR reporting requirements, the DMR comment section shall be used to report the utilization or non-utilization of chlorine, the number of days of chlorine utilization, and the purpose of chlorine utilization for that time period. The eDMR NODI Code GG (Conditional Monitoring – Not Required) shall be used for eDMR reporting that chlorine has not been utilized during that time period.
- E. Notification of the designation of the responsible operator (name, license number, affiliation) must be submitted to the permitting agency by the permittee within 60 days after the effective date of the permit and from time to time thereafter as the operator is replaced.
  - F. If, in the opinion of the Department, these works are not so operated or if by reason of change in the character of wastes or increased load upon the works, or changed use or condition of the receiving body of water, or otherwise, the said effluent ceases to be satisfactory or the sewerage facilities shall have created public nuisance, then upon notice by the Department, the right herein to discharge such effluent shall cease and become null and void unless in the time specified by the Department, the permittee shall adopt such remedial measures as will produce an effluent which, in the opinion of the Department, will be satisfactory for discharge into the said body of water.

**II. SCHEDULE OF COMPLIANCE (Ammonia-N)**

A. The permittee shall achieve compliance with final effluent limitations or terminate this discharge in accordance with the following schedule:

1. Feasibility study completion and submittal	<u>12 months after PED</u>
2. Final plan completion and submittal	<u>24 months after PED</u>
3. Start construction	<u>30 months after PED</u>
4. Construction progress report(s)	<u>Quarterly once construction starts</u>
5. End construction	<u>34 months after PED</u>
6. Compliance with effluent limitations	<u>36 months after PED</u>

B. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit to DEP a written notice of compliance or non-compliance with the specific schedule requirement. Each notice of non-compliance shall include the following information:

1. A short description of the non-compliance.
2. A description of any actions taken or proposed by the permittee to comply with the elapsed schedule requirement.
3. A description of any factors which tend to explain or mitigate the non-compliance.
4. An estimate of the date that compliance with the elapsed schedule requirement will be achieved and an assessment of the probability that the next scheduled requirement will be met on time.

### III. COMBINED SEWER OVERFLOWS

#### A. Authorized Discharges

The permittee is authorized to discharge from the combined sewer overflow (CSO) outfalls identified in Part A of this permit when flows in combined sewer systems (CSSs) exceed the design capacity of the conveyance or treatment facilities of the system during or immediately after wet weather periods, provided that the discharge complies with paragraphs B and C of this section. Overflows that occur without an accompanying precipitation event or snow-melt are termed “dry weather overflows” and are prohibited.

#### B. Continued Implementation of Nine Minimum Controls

Upon issuance of this permit, the permittee shall continue implementing the Nine Minimum Controls (NMCs) and demonstrate system-wide compliance with the NMCs. The permittee shall maintain all documentation of NMC implementation in accordance with Part A III.A.2 of this permit. The permittee shall implement the following NMCs:

1. Conduct proper operations and regular maintenance programs – The permittee shall implement the operation and maintenance plan for the CSS that includes the elements listed below. The permittee shall also update the plan to incorporate any changes to the system and shall operate and maintain the system according to the plan.
  - i. Inspect CSO structures and Outfalls for presence of deposited solids that may cause obstructions resulting in overflows.
  - ii. Inspect CSO structures and Outfalls for occurrence of dry weather overflows

- iii. Inspect CSO structures and Outfalls for surcharge of diversion manholes.
    - iv. Inspect and maintain tide gates.
    - v. Record pump station daily inspections for proper maintenance and recording of daily run times.
    - vi. The above CSO structure inspections shall be daily unless the Department approves an alternative schedule in writing. Outfall locations shall be inspected for solids and floatables on minimum annual basis.
    - vii. Inspect and maintain the collection/conveyance system in accordance with normal Operations & Maintenance (O&M) and as part of LTCP Implementation Schedule (Sewersheds Phases 1 through 5) except as superseded by statutes, regulations or permit conditions. Records of sewer system areas inspected and date of inspection and/or maintenance action will be retained at the WWTP.
2. Maximize use of the collection system for storage – The permittee shall maximize the in-line storage capacity.
  - i. Use of the “gate valve located at CSO Outfall No. 002” is not authorized as a method of maximizing storage capacity in the collection/conveyance system unless the Department authorizes it in writing via a Part II Water Quality Management Permit and Approved Long Term Control Plan. See Part A.I.F and Part C.III.A.1 for authorized CSO discharges. See Part A.II and Part B.I.G for bypassing requirements when discharges are discharges noncompliant with Part A.I.F and Part C.III.A.1 CSO discharge requirements.
3. Review and modify pretreatment program – The permittee shall continue to implement selected CSO controls to minimize the impact of non-domestic discharges on CSOs. The permittee shall reevaluate at an appropriate frequency whether additional modifications to its pretreatment program are feasible or are practical.
  - i. The (base) Pretreatment Program consists of: No acceptance of any non-sewage wastewater from any existing customer, with periodic spot checks by the permittee, and compliance with NPDES Permit Part A.III.C.2 (Planned Changes to Waste Stream), B.I.C.4 (Annual Report requirements), and B.I.D (General Pretreatment Requirements) requirements. Any Fats, Oils & Grease (FOG) Program requirements are incorporated by reference as part of the Permittee’s Pretreatment Program.
  - ii. Any acceptance of non-sewage wastewater will require Part A.III.C.2 (Planned Changes in Waste Stream) notification at least ninety (90) days prior to acceptance. The Part A.III.C.2 notification shall identify any CSO Outfall (if any) that might receive industrial wastes/wastewater. The Department reserves the right to require an LTCP Update as needed.
  - iii. The WWTP shall retain records onsite of commercial/industrial indirect dischargers with applicable SIC Code, discharger address and discharger contact information.
4. Maximize flow to the POTW – The permittee shall operate the POTW such that all flows are delivered to the POTW within the capacity of the treatment facility.
  - i. Use of the “gate valve located at CSO Outfall No. 002” to throttle influent flows is not authorized unless the Department authorizes it in writing via a Part II Water Quality Management Permit and Approved Long Term Control Plan. See Part A.I.F and Part C.III.A.1 for authorized CSO discharges. See Part A.II and Part B.I.G for bypassing requirements when discharges are discharges noncompliant with Part A.I.F and Part C.III.A.1 CSO discharge requirements.
5. Prohibit combined sewer overflows during dry weather – Dry weather overflows from CSO outfalls are prohibited. All dry weather overflows must be reported to DEP in accordance with Part A III.C.4.a of this permit. When the permittee detects a dry weather overflow, the permittee shall begin corrective action immediately. The permittee shall inspect the dry weather overflow each subsequent day until the overflow has been eliminated.
  - i. CSO regulators weir plates, weir plate settings and tide gates shall be regularly inspected.
  - ii. CSOs with flow meters will be monitored for dry weather discharges.
  - iii. Any CSO discharges continuing >48 hours after significant precipitation (0.11-inches) has ceased, must be reported as a potential dry weather and/or unauthorized CSO discharge. The permittee shall investigate and report the cause of the discharge to the Department within seven (7) days. For compliance purposes, if the CSO Graphical Method is used by the

Authority for self-reporting (DMR or otherwise), then its predictions will not be superseded by Authority inspections in the absence of a Department-approved visual aid or mechanic device that would identify discharges in the absence of Authority personnel.

- iv. Chalking, block testing, bottle-on-a-string or other Department-approved methodology (meeting EPA Technical Guidance requirements) shall be installed at each CSO Diversion Structure/Outfall, that can be checked and reset after each inspection. Resetting the visual aid shall be verified by digital photograph with date stamp retained in the WWTP Records with the CSO Monitoring Report for that calendar month.
6. Control solid and floatable materials in CSOs – The permittee shall implement measures to control solid and floatable materials in CSOs.
    - i. CSO Outfall No. 002 bar screens and/or other approved controls shall be installed in accordance with the LTCP Implementation Schedule.
  7. Develop and implement a pollution prevention program – The permittee shall implement a pollution prevention program focused on reducing the impact of CSOs on receiving waters.
    - i. The permittee shall record and retain records of any Borough/other party street sweeping or catch basin cleaning within the collection system. The records shall include street sweeping and catch basin cleaning (date, street block, and CSO sewer shed or other). A full-sized drawing shall show the locations of all known catch basins/manholes within the CSO Outfall sewer sheds. If third party cleaning of catch basins is not documented, the permittee shall conduct catch basin inspection and cleaning for that calendar year.
  8. Notify the public of CSOs – The permittee shall implement a public notification plan to inform citizens of when and where CSOs occur. The process must include a mechanism to alert persons using all receiving water bodies affected by CSOs, and a system to determine the nature and duration of conditions that are potentially harmful to users of these receiving water bodies.
  9. Monitor to effectively characterize CSO impacts and the efficacy of CSO controls – The permittee shall regularly monitor CSO outfalls to effectively characterize CSO impacts and the efficacy of CSO controls.
    - i. Annual Stream monitoring (including E Coli and all known causes of stream impairment) is required.
    - ii. Annual CSO Outfall discharge sampling is required.

#### C. Implementation of Long-Term Control Plan

1. The permittee's Long-Term Control Plan (LTCP) (incorporating the February 17, 2017 DEP Approved-with-Conditions Letter and any subsequently LTCP Update approved in writing) and schedule are approved and are incorporated by reference into this NPDES Permit. The permittee shall implement the LTCP as set forth in paragraph C.2, below (except as superseded by statutes, regulations and/or NPDES/WQM permit conditions).
2. CSO Water Quality-Based Effluent Limit

The permittee shall comply with the following performance standards that apply during wet weather events:

- The permittee shall eliminate or capture for treatment, or storage and subsequent treatment, at least 85% of the system-wide combined sewage volume collected in the combined sewer system during precipitation events under design conditions. For purposes of this criterion, "treatment" includes: primary clarification; removal of floatable and settleable solids; and disinfection as needed to meet Water Quality Standards, protect designated uses and protect human health, including removal of harmful disinfection chemical residues, where necessary.
- E. coli monitoring (during the swimming season of May 1 through September 30) must be included in Post-construction compliance monitoring (PCCM) plans and annual in-stream monitoring plan to verify compliance with water quality standard and designated uses.

### 3. LTCP Implementation Schedule

The permittee shall implement the Approved LTCP in accordance with the following schedule:

<b>Milestone</b>	<b>Completion Date</b>
Implement Approved LTCP except as superseded by statutes, regulations, and permit conditions	Upon Permit Effective Date
Continue Implementation of the NMCs	Upon Permit Effective Date
Continue Implementation of the LTCP	Upon Permit Effective Date
Submit Annual CSO Status Report to Department with Chapter 94 Report (including update on LTCP Implementation schedule compliance milestones, findings, and/or proposed corrective actions. Update shall be included for any Chapter 94 separated sewer system Corrective Action Plan* milestone status, findings, and identification of any required or proposed corrective action. The Annual CSO Status Report Form shall include all required information reported on the form itself.	March 31 of each year
Submit DMR Supplemental Reports for CSOs including all NPDES Permit-required information reported on the submitted form itself. The 1995 SCSA Final Plan of Action Appendix C (Inspection Data Tabulation Sheets)-required information shall be reported on the CSO Supplemental Forms.	Within 28 days of the end of a month
Chalking, block testing, bottle-on-a-string or other Department-approved inspection visual aid (meeting EPA Technical Guidance requirements) shall be installed at each CSO Diversion Structure/Outfall, that can be checked and reset after each inspection. Resetting the visual aid shall be verified by digital photograph with date stamp retained in the WWTP Records with the CSO Monitoring Report for that calendar month.	Upon Permit Effective Date
Submittal of PA Professional Engineer-signed and sealed engineering report identifying a visual aid, mechanical device or other option (consistent with EPA Technical Guidance) for each CSO Diversion Chamber/Outfall structure able to detect dry or wet CSO discharges.	30 days after Permit Effective Date
Update In-Stream Water Quality Monitoring Plan and Post-Construction Compliance Monitoring (PCCM) Plan to incorporate annual in-stream pH, Total Aluminum, Total Manganese, Total Iron, Fecal Coliform and E Coli monitoring (during May 1 through September 30 time-frame) and Laboratory sampling QA/QC protocols.	Upon Permit Effective Date
Submittal of a complete and technically adequate Part II Water Quality Management Application for a new CSO Outfall No. 002 Screen or other controls to control solids and floatables.	90 days after PED
Install new screen at CSO Outfall No. 002	90 days after issuance of WQM Permit
Submittal of report identifying separated sewer system areas by name, with identification of each separated sewer system area's municipality, percentage of tributary municipality service area, expected dry/wet weather flows (100 GPCD assumption for dry weather in absence of better data), EDUs, estimated population, flow-receiving CSO Outfall Sewer Sheds, identifying age and type of separated sewer system piping to flag areas	90 days after PED

likely to have substantial I&I issues, and calculation to determine if the 85% LTCP Presumption Goal was met for 2019 through 2022 (excluding identified separated sewer contributions). A schedule for use of portable flow meter to determine areas of high I&I infiltration shall be included with the report.	
Submittal of updated CSO Outfall figures to show all solids & floatable controls, appurtenances, valving, and visual aid/mechanical device (or flow meter)	90 days of PED
Updated Wet Weather Operating Plan AKA High Flow Management Plan (HFMP) addressing all NPDES permit requirements and maximize capture for treatment of peak wet weather flows.	180 days of PED
Phase I CSO Sewer Shed Televising and Mapping beginning (including CSO Outfall No. 008 sewer shed and any inflowing Separated Sewer Area); begin use of portable flow meter to identify influent Separated Sewer System Areas flows for targeted investigations and corrective actions unless an alternate schedule is approved in writing.	90 days of PED
Submittal of Collection System map for all catch basins, inlet, and manholes in the combined sewer sheds.	180 days of PED
Begin Design on Phase 1 Improvements Begin Phase 2 of Televising and Mapping Program (including CSO Outfall Nos. 005 and 006 sewer sheds and any inflowing Separated Sewer Area)	March 31, 2024
Bid Phase 1 Improvements Begin Phase 3 of Televising and Mapping Program (including CSO Outfall No. 004 sewer shed and any inflowing Separated Sewer Area)	March 31, 2025
LTCP Update submittal that addresses any requirements to upgrade the facility due to hydraulic overloading or other permit conditions; addresses any inability to meet the 85% LTCP Goal; includes Separated Sewer System Area flow data to quantify each Separate Sewer System Area I&I contributions to the CSO Outfall sewer sheds (including table of pump station pump sizing and flows); an updated Sewer Shed Map identifying any Separated Sewer System Area discharging into the Collection System plus municipality boundaries; Catch basin/inlet mapping; previous LTCP Implementation Schedule documents; incorporates any applicable NPDES and WQM permit condition requirement; and as otherwise needed. The LTCP Update shall address plant upgrade options including internal WWTP bypassing and any other WWTP Hydraulic Capacity upgrading/rerating options, Minimum treatment of CSO Outfall No. 002 discharges, and Million Gallon Influent WWTP Equalization Tank (with cost analysis including in the Selected Collection System Improvements and Affordability Analysis sections).	24 months after PED
Implementation of the LTCP Update	Upon Department approval or approval with conditions
Construct Phase 1 Improvements Begin Phase 4 of Televising and Mapping Program (including CSO Outfall No. 003 sewer shed and any inflowing Separated Sewer Area)	March 31, 2026
Begin Design on Phase 2 Improvements	March 31, 2027



Begin Phase 5 of Televising and Mapping Program (including CSO Outfall No. 002 sewer shed and any inflowing Separated Sewer Area)	
Submit LTCP Update with Post-Construction Compliance Monitoring (PCCM) Plan (with NPDES Permit Renewal Application).	54 months after PED
Implement LTCP Update	Upon Department Approval or Approval with Conditions
Bid on Phase 2 Improvements	March 31, 2028
Begin Construction Phase 2 Improvements	March 31, 2029
Begin Design on Phase 3 Improvements Complete Phase 2 construction (if needed)	March 31, 2030
Bid Phase 3 Improvements	March 31, 2031
Begin Construction Phase 3 Improvements	March 31, 2032
Begin Design on Phase 4 Improvements Complete Phase 3 construction (if needed)	March 31, 2033
Bid Phase 4 Improvements	March 31, 2034
Begin Construction Phase 4 Improvements	March 31, 2035
Begin Design on Phase 5 Improvements Complete Phase 4 construction (if needed)	March 31, 2036
Bid Phase 5 Improvements	March 31, 2037
Begin Construction Phase 5 Improvements	March 31, 2038
Complete Phase 5 construction (if needed)	March 31, 2039
LTCP Final Compliance Date	December 31, 2042

\*Separated Sewer System Areas I&I corrective actions are not subject to CSO conditions/regulations and are subject to the Chapter 92a.51 requirements.

If this permit is administratively extended, the permittee shall continue to implement its approved LTCP and approved PCCM Plan, as applicable, in accordance with the approved schedule.

#### 4. LTCP Revisions

When a revision to the permittee's LTCP is deemed necessary by the permittee or DEP, the revised LTCP shall be consistent with EPA's "Guidance for Long-Term Control Plan" (832-B-95-002) or other EPA guidance, and shall include the following:

- a. Continued implementation of the NMCs.
- b. Protection of sensitive areas (recreation areas, public water supply, unique ecological habitat, etc.).
- c. Characterization, monitoring and modeling of overflows and assessment of water quality impacts.
- d. Evaluation and selection of control alternative (presumptive or demonstrative approach).
- e. Public participation in LTCP development and implementation.
- f. An implementation schedule and financing plan for the selected control options.
- g. Maximizing treatment at the existing POTW treatment plant.
- h. A PCCM Plan.
- i. A CSO System Operation and Maintenance (O&M) Plan.

If the revisions to the LTCP include changes to the milestones set forth in paragraph C.2, above, the permittee shall submit an application for an amendment to this permit concurrently with the revised LTCP.

#### 5. Public Participation for LTCP Revisions

Prior to submitting a revised LTCP to DEP for approval, the permittee shall solicit public involvement and participation, as described below.

- a. The permittee shall make a complete copy of the proposed LTCP available for public review.
- b. The permittee shall publish, in a newspaper of general circulation in the area, a public notice containing a statement describing the LTCP, where it may be reviewed by the public, and the length of time the permittee will provide for the receipt of comments.
- c. The permittee shall accept written comments for a minimum of 30 days from the date of public notice.
- d. The permittee shall accept comments from any interested member of the public at a public meeting or hearing, which may include a regularly scheduled meeting of the governing body of the municipality or municipal authority that is the permittee.
- e. The permittee shall consider and make a written record of the consideration of each timely comment received from the public during the public comment period concerning the plan, identifying any changes made to the plan in response to the comment.

Revised LTCPs that are submitted to DEP must include a copy of the newspaper notice, a copy of all written comments received from the public and a copy of the permittee's record of consideration of all timely comments received in the public comment period. DEP will publish notice of the approval of the LTCP in the *Pennsylvania Bulletin*.

#### D. Monitoring and Reporting Requirements

##### 1. Discharge Monitoring Report (DMR) Supplemental Reports for CSOs

- a. The permittee shall record data on CSO discharges in the format specified in DEP's DMR Supplemental Reports for CSOs, attached to this permit. The data shall be submitted to the appropriate regional office of DEP within 28 days of the end of the month. For CSOs that are part of a permitted POTW, the DMR Supplemental Reports for CSOs must be submitted with the permittee's monthly DMR.
- b. If dry weather overflows are detected, the permittee shall, in addition to providing immediate notification to DEP in accordance with Part A III.C.4.a of this permit, provide a plan and implementation schedule to correct the overflows with the DMR Supplemental Reports for CSOs.
- c. The permittee shall report the following for wet weather overflows with the DMR Supplemental Reports for CSOs, where applicable:
  - For all locations that have automatic level monitoring of the regulators, report all exceedances of the overflow level during the period of the report, including location, date, time, and duration of wet weather overflows.
  - For all locations at which flows in the interceptors can be controlled by throttling and/or pumping, report all instances when the overflow level was reached or the gates were lowered. For each instance, provide the location, date, time, and duration of the overflow.

##### 2. Annual CSO Status Report

By March 31 of each year, an Annual CSO Status Report shall be submitted to DEP with the annual "Municipal Wasteload Management Report" required by 25 Pa. Code § 94.12. For a satellite CSO system, a copy of the annual report shall also be provided to the POTW providing treatment for its wastewater. The permittee shall use DEP's Annual CSO Status Report template (3800-PM-BCW0076e).

The permittee shall include the following information in the Annual CSO Status Report, at a minimum:

- a. A summary of the frequency, duration and volume of the CSO discharges for the past calendar year.
- b. The operational status of all CSO outfalls.
- c. An identification of known in-stream water quality impacts, their causes, and their effects on downstream water uses.
- d. A summary of all actions taken to implement the NMCs and the LTCP and their effectiveness.
- e. An evaluation and progress report on implementing the NMCs and LTCP, including proposed revisions.
- f. Rain gauge data, to the nearest 0.01 inch, that caused each CSO discharge reported in the DMR Supplemental Reports for CSOs.
- g. Annual inspections and maintenance activities, as follows:
  - Total number of permittee/owner inspections conducted during the period of the report (reported by drainage system).
  - A list of blockages (if any) corrected or other interceptor maintenance performed, including location, date and time discovered, date and time corrected, and any discharges to the stream observed and/or suspected to have occurred.

E. Area-Wide Planning/Participation Requirement

Where applicable, the permittee shall cooperate with and participate in any interconnected CSO system's NMCs and LTCP activities being developed and/or carried out by the operator(s) of these systems, and shall participate in implementing applicable portions of the approved NMC and LTCP for these systems.

F. Permit Reopener Clause

DEP may modify, revoke and reissue this permit pursuant to 40 CFR 122.62 and 124.5 to include new or revised conditions developed to comply with any state or federal law or regulation that addresses CSOs and that is adopted or promulgated subsequent to the effective date of this permit, or to include new or revised conditions based on new information resulting from implementation of the LTCP or other plans or data.

G. Permit Reopener Clause

1. Classification as a "Focused Small System LTCP" is subject to continued compliance with:
  - a. Continued implementation of the Nine Minimum Controls, which are enforceable narrative Technology-Based Effluent Limits, in accordance with NPDES Permit Conditions.
  - b. Public Participation in accordance with NPDES Permit Conditions.
  - c. Consideration of Sensitive Areas.
  - d. Post-construction Compliance Monitoring in accordance with NPDES Permit Conditions.
2. For compliance purposes:
  - a. If the CSO Graphical Model Method is used to determine CSO flows and/or CSO flow duration for self-reporting in the DEP Forms (in addition to required NMC/LTCP inspections and/or CSO flow metering), then self-reporting will include all sets of data. The facility will be subject to compliance action if any set of data indicate noncompliance unless a Department-approved visual aid or mechanical device or flow meter demonstrates that no discharge took place.

- b. The facility shall continue its daily CSO inspection frequency unless the Department approves an alternate schedule in writing.
- c. If a CSO Outfall continues to discharge more than 48 hours after significant precipitation has ceased, the permittee shall report the event as a potential dry weather and/or unauthorized CSO discharge. For purposes of this condition, "significant precipitation" shall be  $\geq 0.11$ -inches rainfall daily unless the Department approves an alternate standard in writing.
- d. In-stream water quality monitoring data shall be reported via DMR Supplemental Report "Surface Water Data Monitoring Report" via eDMR in addition to the CSO Annual Status Report

**IV. SOLIDS MANAGEMENT**

- A. The permittee shall manage and properly dispose of sewage sludge and/or biosolids by performing sludge wasting that maintains an appropriate mass balance of solids within the treatment system. The wasting rate must be developed and implemented considering the specific treatment process type, system loadings, and seasonal variation while maintaining compliance with effluent limitations. Holding excess sludge within clarifiers or in the disinfection process is not permissible.
- B. The permittee shall submit the Supplemental Reports entitled, "Supplemental Report – Sewage Sludge/Biosolids Production and Disposal" (Form No. 3800-FM-BCW0438) and "Supplemental Report – Influent & Process Control" (Form No. 3800-FM-BCW0436), as attachments to the DMR on a monthly basis. When applicable, the permittee shall submit the Supplemental Reports entitled, "Supplemental Report – Hauled In Municipal Wastes" (Form No. 3800-FM-BCW0437) and "Supplemental Report – Hauled In Residual Wastes" (Form No. 3800-FM-BCW0450), as attachments to the DMR.
- C. By March 31 of each year, the permittee shall submit a "Sewage Sludge Management Inventory" that summarizes the amount of sewage sludge and/or biosolids produced and wasted during the calendar year from the system. The "Sewage Sludge Management Inventory" may be submitted with the Municipal Wasteload Management Report required by Chapter 94. This summary shall include the expected sewage sludge production (estimated using the methodology described in the U.S. EPA handbook, "Improving POTW Performance Using the Composite Correction Approach" (EPA-625/6-84-008)), compared with the actual amount disposed during the year. Sludge quantities shall be expressed as dry weight in addition to gallons or other appropriate units.

**V. WATER QUALITY-BASED EFFLUENT LIMITATIONS FOR TOXIC POLLUTANTS**

- A. Final Water Quality Based Effluent Limitations (WQBELs)

**The final WQBELs listed below will become effective on Third Year of Permit term ("WQBEL Effective Date") unless DEP issues an amendment to this permit prior to that date:**

Outfall No.	Pollutant	Average Monthly (ug/L)	Maximum Daily (ug/L)	IMAX (ug/L)
001	Aluminum, Total	Report	750.0	750.0
001	Copper, Total	25.4	34.0	63.5
001	Lead, Total	9.58	14.9	23.9

These limits are necessary to achieve water quality standards in the receiving waters. The permittee has not demonstrated the ability to achieve these limits as of the effective date of the permit. Prior to the WQBEL Effective Date, the permittee shall complete studies as described below.

- B. Site-Specific Data Collection Studies

The WQBELs were developed by DEP using the default or model-derived estimates for the parameters listed below in DEP's Toxics Management Spreadsheet (TMS). The permittee shall collect site-specific data for all of the parameters listed below and submit the data to DEP as part of a Final WQBEL Compliance Report.

1. **Discharge pollutant concentration coefficients of variability** using DEP's *Field Data Collection and Evaluation Protocol for Deriving Daily and Hourly Discharge Coefficients of Variation (CV) and Other Discharge Characteristics* (391-2000-024).
2. **Discharge and background Total Hardness concentrations** using DEP's *Field Data Collection and Evaluation Protocol for Determining Stream and Point Source Discharge Design Hardness* (391-2000-021).
3. **Background / ambient pollutant concentrations** using DEP's *Implementation Guidance for the Determination and Use of Background/Ambient Water Quality in the Determination of Wasteload Allocations and NPDES Effluent Limitations for Toxic Substances* (391-2000-022).
4. **Chemical translator(s)** using EPA's *The Metals Translator: Guidance for Calculating A Total Recoverable Permit Limit From A Dissolved Criterion* (EPA 823-B-96-007) or other EPA guidance.
5. **The velocity of the receiving waters** for the reach of stream modeled by DEP using the TMS as measured through a time of travel study that provides an estimate of velocity under design stream flow conditions.
6. **The acute and chronic partial mix factors** for the reach of stream modeled by DEP using the TMS as determined through a mixing study that provides an estimate of mixing under design stream flow conditions.

The permittee may, at its discretion, submit a work plan to DEP for review and comment prior to initiating the site-specific data collection studies. If the permittee decides to submit a work plan, DEP's approval is not necessary prior to commencing the studies.

C. Toxics Reduction Evaluation (TRE)

The permittee shall conduct a TRE in accordance with DEP's *Water Quality Toxics Management Strategy, Appendix C, Permittee Guidance for Conducting a Toxics Reduction Evaluation (TRE)* (361-0100-003). The permittee shall investigate and address the following as part of the TRE:

1. The source(s) of the toxic pollutants in the effluent through a comprehensive review of influent and effluent quality and contributors to the facility, if applicable.
2. An evaluation of approaches and strategies that exist to reduce or eliminate sources in order to achieve the final WQBELs.
3. An evaluation of approaches and strategies that exist to provide treatment to achieve the final WQBELs.
4. An analysis of the feasibility of the approaches and strategies identified in paragraphs 2 and 3, above. Specifically, the permittee shall implement a Lead and Copper Corrosion Control Feasibility Study as part of the TRE. The Feasibility Study shall consist, at a minimum, of an evaluation of treatment alternatives, an evaluation of lead and copper solubility, and effects of treatment alternatives on other water treatment processes.

The permittee shall develop a TRE work plan and submit the work plan to DEP for review and comment when requested by DEP. DEP's approval of the work plan is not necessary prior to commencing the TRE.

D. Schedule and Final WQBEL Compliance Report

1. The permittee shall submit complete required studies and a Final WQBEL Compliance Report to DEP in accordance with the following schedule:

Action	Due Date
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Complete TRE Work Plan and Submit Work Plan	6 months after PED
Complete TRE and Site-Specific Data Collection	18 months after PED
Begin Implementing Actions Identified in the TRE to Reduce Pollutant Load (if applicable)	21 months after PED
Submit Final WQBEL Compliance Report	24 months after PED
Complete Actions Identified in TRE and Comply with Final Permit Limit	36 months after PED

2. The Final WQBEL Compliance Report shall consist of the following components:
  - a. Site-specific data collected in accordance with paragraph B, above.
  - b. If the permittee is requesting a modification to the final WQBELs based on the site-specific data, the permittee shall submit:
    - (1) Printouts of the TMS using the site-specific data along with all other assumptions and data used by DEP to establish the final WQBELs; and
    - (2) An application (3800-PM-BCW0027b) to DEP for a Major Amendment to the permit.
  - c. A TRE Report including a feasibility analysis or study, if applicable.
  - d. An assessment of whether the permittee will be capable of achieving the final WQBELs on the WQBEL Effective Date. The permittee shall notify DEP of one of the following conclusions:
    - (1) The permittee will achieve the final WQBELs on the WQBEL Effective Date. The permittee shall notify DEP of the measures that will be taken to comply.
    - (2) The permittee will or may be able to achieve the final WQBELs, but after the WQBEL Effective Date. The permittee shall notify DEP of its proposed alternative WQBEL Effective Date and include justification for the alternative date.
    - (3) The permittee will not be able to achieve the final WQBELs because all alternatives to control the toxic pollutant(s) are infeasible.
  - e. An application (3800-PM-BCW0027b) for a Major Amendment to the permit if the permittee concludes that it is not capable of achieving the final WQBELs on the WQBEL Effective Date or compliance is infeasible, or if the permittee believes the final WQBELs should be modified based on site-specific data.
3. In response to the receipt of the Final WQBEL Compliance Report, DEP may:
  - a. Request additional research, studies or clarification if the permittee concludes that it cannot achieve final WQBELs by the WQBEL Effective Date or compliance is infeasible and DEP disagrees with this conclusion or believes that additional efforts are necessary before reaching this conclusion. The permittee shall comply with the schedule provided by DEP in writing for such additional efforts or an alternative agreed upon schedule.
  - b. Issue a draft Major Amendment to the permit that modifies the WQBELs in response to site-specific data or modifies the WQBEL Effective Date, for public comment.
  - c. Deny the application for a Major Amendment to the permit or place review of the application on hold until additional research or studies requested by DEP are complete.
  - d. Notify the permittee that DEP will consider a time extension to achieve the final WQBELs under 25 Pa. Code § 95.4 for the discharge upon the receipt of a request submitted by the permittee using

Form No. 3800-FM-BCW0302, if it can be demonstrated that the criteria for a time extension under § 95.4 are met.

- e. Notify the permittee that DEP will consider the submission of a site-specific criterion study (SSCS) to further modify WQBELs, where applicable. The permittee shall comply with the requirements set forth in DEP's notification letter for completion of a SSCS, including submission of a SSCS work plan.

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