

# Attachment A-7



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northeast Regional Office

March 27, 2012

Scranton Sewer Authority  
312 Adams Avenue  
Scranton, PA 18503

Attention: Eugene P. Barrett, Executive Director

Re: Sewage  
Scranton Sewer Authority Wastewater Treatment Plant  
Application No. PA0026492 A-2  
APS ID No. 767709  
City of Scranton, Lackawanna County

Dear Mr. Barrett:

We have prepared the enclosed draft National Pollutant Discharge Elimination System (NPDES) Permit amendment for review and comment.

The draft permit reflects the addition of recently discovered CSO outfalls (083 through 087), the deletion of CSO outfalls which have been eliminated (010, 039, 041, 042, 054 and 064), and the revision of the date for certification of substantial completion contained in the schedule on page 21 of the permit. The permit was drafted utilizing an updated permit template for Parts A and B, and an updated template for the Chesapeake Bay Nutrient Requirements in Part C.

Please be advised that the final date for achieving compliance with the Chesapeake Bay nutrient cap loads cannot be extended and therefore remains as April 1, 2013. You may utilize nutrient credits as necessary to achieve compliance with the cap loads, in accordance with Part C Seven.II.B. (page 23) of the permit.

Also enclosed is a copy of a public notice that we will publish in the Pennsylvania Bulletin. You are required, by Department regulations, to post copies of this notice near the entrance to your property and near the discharge site. These postings shall remain for 30 days.

Please review the draft permit carefully. Your written comments on the draft permit, if received within 30 days of publication in the Pennsylvania Bulletin, will be considered during preparation of the final permit.

Feel free to contact me at 570.826.2313 if you have any questions about this draft permit.

Sincerely,

Mary E. Hastings, P.E.  
Environmental Engineer  
Clean Water Program

Enclosures

cc: U. S. Environmental Protection Agency

2 Public Square | Wilkes-Barre, PA 18701-1915

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## **NPDES PUBLIC NOTICE**

### **Application for National Pollutant Discharge Elimination System (NPDES) Permit to Discharge to State Waters**

**Northeast Regional Office:** Regional Clean Water Program Manager, 2 Public Square, Wilkes-Barre, PA 18701-1915, Telephone: 570.826.2553.

**PA0026492 A-2**, Sewage, SIC Code 4952, Scranton Sewer Authority, 312 Adams Avenue, Scranton, PA 18503. Facility Name: Scranton Sewer Authority Wastewater Treatment Plant. This existing facility is located in the City of Scranton, Lackawanna County.

**Description of Existing Activity:** The application is for an amendment to an NPDES permit for an existing discharge of treated Sewage.

The receiving stream, Lackawanna River, is located in State Water Plan watershed 5-A and is classified for Cold Water Fishes, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The current permit was issued on September 21, 2009, became effective on October 1, 2009, was amended on May 13, 2011, and expires on September 30, 2014. The effluent limits are based upon a design discharge rate of 20 MGD. The purpose of the amendment is to add recently discovered CSO outfalls to the list of permitted CSO outfalls, to delete permitted CSO outfalls which have been eliminated, and to revise the date for certification of substantial completion (of wastewater treatment plant improvements for Biological Nutrient Removal) as contained in the Chesapeake Bay compliance schedule in Part C of the permit. The date for achieving final compliance with the Chesapeake Bay nutrient caps remains unchanged. The proposed permit amendment has been drafted using an updated permit template for Parts A and B and an updated template for the Chesapeake Bay Nutrient Requirements in Part C. There are no other substantive changes to the permit.

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 570-826-5472.

The EPA Waiver is not in effect.



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

**NPDES PERMIT NO: PA0026492  
Amendment No. 2**

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.*,

**Scranton Sewer Authority  
312 Adams Avenue  
Scranton, PA 18503**

is authorized to discharge from a facility known as **Scranton Sewer Authority Wastewater Treatment Plant**, located **off Breck Street in the City of Scranton, Lackawanna County**, to **Lackawanna River** in Watershed(s) **5-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 September 30, 2014**

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 September 21, 2009

ISSUED BY \_\_\_\_\_

DATE PERMIT AMENDMENT ISSUED \_\_\_\_\_

**Kate Crowley  
Clean Water Program Manager  
Northeast Regional Office**



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

I. A. For Outfall 001, Latitude 41° 23' 15.00", Longitude 75° 41' 39.00", River Mile Index \_\_\_\_\_, Stream Code \_\_\_\_\_

Discharging to Lackawanna River

which receives wastewater from Wastewater Treatment Plant

1. The permittee is authorized to discharge during the period from Permit Effective Date through September 30, 2014.
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, Footnotes and Supplemental Information).

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	Recorded Daily Flow
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	1/day	Grab
Total Residual Chlorine	XXX	XXX	XXX	0.37	XXX	1.35	1/shift	Grab
CBOD5	3,800	5,600	XXX	18	27	36	1/day	24-Hr Composite
Total Suspended Solids	6,300	9,400	XXX	30	45	60	1/day	24-Hr Composite
Fecal Coliform (CFU/100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/day	Grab
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	XXX	1/day	Grab
Ammonia-Nitrogen May 1 - Oct 31	630	XXX	XXX	3.0	XXX	6.0	1/day	24-Hr Composite
Ammonia-Nitrogen Nov 1 - Apr 30	1,900	XXX	XXX	9.0	XXX	18.0	1/day	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  
(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) and 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. (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))

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

If the permit requires reporting of average weekly limitations use the following guideline. If the "maximum average concentration" and the "maximum average mass loading" does not occur within the same week, both the highest weekly average concentration and the highest weekly average mass load should be reported, regardless of whether they both occur during the same calendar week.

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

I. B. For Outfall 001, Latitude 41° 23' 15.00", Longitude 75° 41' 39.00", River Mile Index \_\_\_\_\_, Stream Code \_\_\_\_\_

**Discharging to Lackawanna River**

which receives wastewater from Wastewater Treatment Plant

1. The permittee is authorized to discharge during the period from Permit Effective Date through March 31, 2013.
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, Footnotes and Supplemental Information).

Parameter <sup>(1)</sup>	Effluent Limitations					Monitoring Requirements	
	Mass Units (lbs)		Concentrations (mg/L)			Minimum Measurement Frequency <sup>(2)</sup>	Required Sample Type
	Monthly	Annual	Minimum	Monthly Average	Maximum		
Ammonia--N	Report	Report		Report		1/day	24-Hr Composite
Kjeldahl--N	Report			Report		1/week	24-Hr Composite
Nitrate-Nitrite as N	Report			Report		1/week	24-Hr Composite
Total Nitrogen	Report	Report		Report		1/month	Calculation
Total Phosphorus	Report	Report		Report		1/week	24-Hr Composite
Net Total Nitrogen	Report	Report				1/month	Calculation
Net Total Phosphorus	Report	Report				1/month	Calculation

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 001.

## Footnotes:

- (1) See Part C for Chesapeake Bay Requirements.
- (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 required.

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

I. C. For Outfall 001, Latitude 41° 23' 15.00", Longitude 75° 41' 39.00", River Mile Index \_\_\_\_\_, Stream Code \_\_\_\_\_

Discharging to Lackawanna River

which receives wastewater from Wastewater Treatment Plant

1. The permittee is authorized to discharge during the period from April 1, 2013 through September 30, 2013.
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, Footnotes and Supplemental Information).

Parameter <sup>(1)</sup>	Effluent Limitations					Monitoring Requirements	
	Mass Units (lbs)		Concentrations (mg/L)			Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Monthly	Annual	Minimum	Monthly Average	Maximum		
Ammonia--N	Report	Report		Report		1/day	24-Hr Composite
Kjeldahl--N	Report			Report		1/week	24-Hr Composite
Nitrate-Nitrite as N	Report			Report		1/week	24-Hr Composite
Total Nitrogen	Report	Report		Report		1/month	Calculation
Total Phosphorus	Report	Report		Report		1/week	24-Hr Composite
Net Total Nitrogen	Report	182,646				1/month	Calculation
Net Total Phosphorus	Report	24,353				1/month	Calculation

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 001.

Footnotes:

- (1) See Part C for Chesapeake Bay Requirements.
- (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 required.



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

I. D. For Outfall 001, Latitude 41° 23' 15.00", Longitude 75° 41' 39.00", River Mile Index \_\_\_\_\_, Stream Code \_\_\_\_\_

**Discharging to Lackawanna River**

which receives wastewater from Wastewater Treatment Plant

1. The permittee is authorized to discharge during the period from October 1, 2013 through September 30, 2014.
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, Footnotes and Supplemental Information).

Parameter <sup>(1)</sup>	Effluent Limitations					Monitoring Requirements	
	Mass Units (lbs)		Concentrations (mg/L)			Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Monthly	Annual	Minimum	Monthly Average	Maximum		
Ammonia--N	Report	Report		Report		1/day	24-Hr Composite
Kjeldahl--N	Report			Report		1/week	24-Hr Composite
Nitrate-Nitrite as N	Report			Report		1/week	24-Hr Composite
Total Nitrogen	Report	Report		Report		1/month	Calculation
Total Phosphorus	Report	Report		Report		1/week	24-Hr Composite
Net Total Nitrogen	Report	365,292				1/month	Calculation
Net Total Phosphorus	Report	48,706				1/month	Calculation

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfall 001.

## Footnotes:

- (1) See Part C for Chesapeake Bay Requirements.
- (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 required.

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

**I. E. 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 such 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 DEP provided supplemental DMR forms and reported monthly as an attachment to the regular Discharge Monitoring Report (DMR) or as otherwise provided for in the permit.

Outfall #	Name of Outfall and/or Street Location	Receiving Stream Name	Location	
			Latitude	Longitude
003	WWTP overflow @Cedar Ave and Breck St.	Lackawanna River	41° 23' 21.96"	75° 41' 26.037"
004	Wells Street	Lackawanna River	41° 26' 36.737"	75° 38' 34.575"
005	Love Place	Lackawanna River	41° 26' 8.235"	75° 39' 31.062"
006	Gardener Avenue	Lackawanna River	41° 25' 46.481"	75° 39' 37.207"
007	Philo Street	Lackawanna River	41° 25' 43.454"	75° 39' 39.228"
008	Hawk Street	Lackawanna River	41° 25' 40.361"	75° 39' 39.464"
009	Meade Street	Lackawanna River	41° 25' 38.179"	75° 39' 39.289"
011	Von Storch Avenue	Lackawanna River	41° 25' 30.708"	75° 39' 31.392"
012	Grove Street	Lackawanna River	41° 25' 28.317"	75° 39' 31.092"
013	24" Poplar Street	Lackawanna River	41° 25' 20.889"	75° 39' 29.003"
014	90" Poplar Street	Lackawanna River	41° 25' 20.721"	75° 39' 29.189"
015	Gordon Avenue	Lackawanna River	41° 24' 54.198"	75° 39' 50.992"
016	Pettibone Street	Lackawanna River	41° 24' 51.216"	75° 39' 59.416"
017	Vine Street	Lackawanna River	41° 24' 51.578"	75° 39' 55.478"
018	Love Road	Lackawanna River	41° 24' 49.704"	75° 40' 2.824"
019	Linden Street	Lackawanna River	41° 24' 44.879"	75° 40' 6.713"
020	East Lackawanna Avenue	Lackawanna River	41° 24' 39.447"	75° 40' 15.846"
021	West Scranton	Lackawanna River	41° 24' 38.087"	75° 40' 27.814"
022	Washburn Street	Lackawanna River	41° 24' 30.46"	75° 40' 33.208"
023	Luzerne Street	Lackawanna River	41° 24' 7.983"	75° 40' 27.551"
024	Hickory Street	Lackawanna River	41° 24' 12.735"	75° 40' 14.697"
025	Willow Street	Roaring Brook	41° 24' 2.692"	75° 40' 11.43"
026	West Elm Street	Lackawanna River	41° 23' 57.922"	75° 40' 36.159"
027	South Washington Avenue	Lackawanna River	41° 23' 49.417"	75° 40' 36.331"
028	Fig Street	Lackawanna River	41° 23' 38.712"	75° 40' 38.416"
029	Genet Street	Lackawanna River	41° 23' 32.903"	75° 40' 51.975"
030	Prescott Street	Roaring Brook	41° 24' 3.221"	75° 39' 8.011"
031	Leggetts Creek	Lackawanna River	41° 26' 41.736"	75° 38' 36.036"
032	Watkins Street	Lackawanna River	41° 26' 39.067"	75° 38' 35.018"
033	West Parker Street	Lackawanna River	41° 26' 27.73"	75° 38' 32.036"
034	East Parker Street	Lackawanna River	41° 26' 22.846"	75° 38' 25.773"
035	Sanderson Avenue	Lackawanna River	41° 26' 3.33"	75° 38' 47.476"
036	Tioga Avenue	Lackawanna River	41° 26' 9.488"	75° 38' 51.717"
037	Brown Street	Lackawanna River	41° 26' 14.303"	75° 38' 53.79"
038	Wurtz Avenue	Lackawanna River	41° 26' 17.342"	75° 38' 55.807"
040	West Market Street	Lackawanna River	41° 26' 12.881"	75° 39' 22.066"
043	Olive Street	Lackawanna River	41° 24' 57.132"	75° 39' 49.876"
044	East Scranton Street	Lackawanna River	41° 24' 37.297"	75° 40' 26.912"



Outfall #	Name of Outfall and/or Street Location	Receiving Stream Name	Location	
			Latitude	Longitude
045	Emmett Street	Lackawanna River	41° 24' 18.051"	75° 40' 17.55"
047	Broadway Street	Lackawanna River	41° 24' 14.924"	75° 40' 16.557"
048	Alder Street	Lackawanna River	41° 24' 7.888"	75° 40' 16.135"
049	River Street	Roaring Brook	41° 24' 8.746"	75° 39' 55.773"
050	Schimpff Court	Roaring Brook	41° 24' 8.519"	75° 39' 56.123"
051	Birch Street	Lackawanna River	41° 23' 49.417"	75° 40' 36.331"
052	Wyoming Avenue	Lackawanna River	41° 23' 49.417"	75° 40' 36.331"
053	Cedar Avenue	Stafford Meadow Brook	41° 23' 41.154"	75° 40' 23.938"
055	Drinker Place	Lackawanna River	41° 26' 3.609"	75° 38' 45.657"
056	Boulevard Avenue	Lackawanna River	41° 26' 3.129"	75° 38' 46.293"
057	Richmont Street	Lackawanna River	41° 26' 3.129"	75° 38' 46.293"
058	Grandview Street	Lackawanna River	41° 26' 4.643"	75° 38' 43.444"
059	Woodlawn Street	Lackawanna River	41° 26' 7.62"	75° 38' 39.368"
060	Park Street	Lackawanna River	41° 26' 11.031"	75° 38' 35.118"
061	Morel Street	Lackawanna River	41° 26' 14.085"	75° 38' 30.242"
062	Fisk Street	Lackawanna River	41° 26' 15.365"	75° 38' 28.311"
063	Olyphant - South	Lackawanna River	41° 26' 15.733"	75° 38' 28.423"
065	Drinker Street	Little Roaring Brook	41° 24' 56.806"	75° 36' 31.642"
066	Burke Street	Roaring Brook	41° 24' 35.791"	75° 37' 54.013"
067	Keyser Avenue	Keyser Creek	41° 24' 53.284"	75° 41' 52.288"
068	South Sixth Avenue	Lackawanna River	41° 23' 49.126"	75° 41' 7.3"
069	Crane Street	Lackawanna River	41° 22' 59.884"	75° 42' 18.155"
070	Sand Street	Roaring Brook	41° 24' 28.259"	75° 37' 42.99"
071	Lake Street	Roaring Brook	41° 24' 27.318"	75° 37' 33.839"
072	Leggett Street Regulator Chamber	Leggetts Creek	41° 26' 39.329"	75° 39' 39.947"
073	Front Street CSO	Roaring Brook	41° 24' 10.108"	75° 39' 22.578"
074	Marion Street CSO	Meadow Brook	41° 25' 38.357"	75° 39' 9.528"
075	Capouse Street CSO	Meadow Brook	41° 25' 37.459"	75° 38' 58.386"
076	Sanderson and Marion Street CSO	Meadow Brook	41° 25' 38.841"	75° 39' 10.786"
077	Middle Street Pumping Station	Lackawanna River	41° 25' 15.863"	75° 39' 44.994"
077	Middle Street Pumping Station Forced	Lackawanna River	41° 25' 16.063"	75° 39' 44.708"
078	Shawnee Avenue Pumping Station	Lackawanna River	41° 26' 12.776"	75° 38' 35.086"
078	Shawnee Avenue Pumping Station Forced	Lackawanna River	41° 26' 12.788"	75° 38' 35.006"
079	Myrtle Street Pumping Station	Roaring Brook	41° 24' 21.755"	75° 38' 18.119"
080	Keyser Valley Pumping Station	Keyser Creek	41° 24' 56.697"	75° 41' 56.825"
081	Pittston Avenue	Stafford Meadow Brook	41° 23' 37.688"	75° 40' 19.326"
082	Locust Avenue	Stafford Meadow Brook	41° 23' 40.423"	75° 40' 22.056"
083	McNichols	Stafford Meadow Brook	41° 23' 28.533"	75° 39' 52.74"
084	600 Elm East	Stafford Meadow Brook	41° 23' 35.061"	75° 40' 0.373"
085	600 Elm West	Stafford Meadow Brook	41° 23' 35.213"	75° 40' 0.521"
086	Cedar/Maple	Stafford Meadow Brook	41° 23' 40.405"	75° 40' 22.017"
087	Leggetts/Kelly	Leggetts Creek	41° 26' 43.255"	75° 39' 40.913"

## 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 pollution to surface waters of the Commonwealth. BMPs also include treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. (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 and 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 nth 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)

Inleak 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 and 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)

**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 and 40 CFR 122.2)

**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.



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

#### A. Representative Sampling (40 CFR 122.41(j)(1))

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

#### 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. 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 (40 CFR 122.41(j)(4))

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. Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those approved under 40 CFR Part 136 (or in the case of sludge use or disposal, approved under 40 CFR Part 136, unless otherwise specified in 40 CFR Part 503 or Subpart J of 25 Pa. Code Chapter 271), or alternate test procedures approved pursuant to those parts, unless other test procedures have been specified in this permit.

#### 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(j)(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. (40 CFR 122.41(e), 40 CFR 122.44(j)(1))

2. Unless instructed otherwise in Part C of this permit, properly completed DMR(s) must be received by the agency(ies) below within 28 days after the end of each reporting period. The permittee shall complete all Supplemental Reporting forms (Supplemental DMRs) provided by DEP in this permit (or an approved equivalent), and submit the signed, completed forms as an attachment to the DMR(s). If the permittee elects to use DEP's electronic DMR (eDMR) system, one electronic submission may be made for DMRs and Supplemental DMRs. If paper forms are used, the completed forms shall be mailed to:

Department of Environmental Protection  
Clean Water Program  
2 Public Square  
Wilkes-Barre, PA 18701-1915

NPDES Enforcement Branch (3WP42)  
Office of Permits & Enforcement  
Water Protection Division  
U.S. EPA - Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

3. If the permittee elects to begin using DEP's eDMR system to submit DMRs required by the permit, the permittee shall, to assure continuity of business operations, continue using the eDMR system to submit all DMRs and Supplemental Reports required by the permit, unless the following steps are completed to discontinue use of eDMR:
  - a. The permittee shall submit written notification to the regional office that issued the permit that it intends to discontinue use of eDMR. The notification shall be signed by a principal executive officer or authorized agent of the permittee.
  - b. The permittee shall continue using eDMR until the permittee receives written notification from DEP's Central Office that the facility has been removed from the eDMR system, and electronic report submissions are no longer expected.
4. 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, 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))

5. 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 any 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))
  - e. The facility is proposing an expansion or modifications to its treatment processes. (25 Pa. Code 92a.24(a))
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 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-WSFR0482), available on DEP's web site. 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) Were not detected in the facilities' influent waste stream as reported in the permit application, or were otherwise not analyzed in the influent and reported to DEP prior to permit issuance;
- (ii) Have not been previously approved to be included in the permittee's influent waste stream by DEP and/or EPA in writing;
- (iii) Are previously unapproved pollutants introduced into the POTW from an indirect discharger which would be subject to Sections 301 and 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 and/or EPA'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 were otherwise analyzed and reported to DEP prior to permit issuance;
- (ii) Have an effluent limitation or monitoring requirement in this permit;



(III) Have been previously approved for the permittee's influent waste stream by DEP in writing.

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 10% of the maximum loading reported in the permit application, or a loading previously approved by DEP, 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, or (4) may cause exceedances of the applicable water quality standards in the receiving stream. Unless specified otherwise in this permit, if DEP and/or EPA 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.

c. New Information on Existing Discharges

The permittee shall notify DEP and EPA where it discovers new information, not reported previously, on the quality and quantity of the effluent introduced into the POTW by an industrial user or an indirect discharger and the anticipated impact of the change in the quality and quantity of effluent to be discharged from the POTW. (40 CFR 122.42(b)(3))

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 oil and gas wells, food processing waste, and landfill leachate) 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-WSFR0450) 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.
- (7) Documentation of whether or not a chemical analysis of the residual wastes were reported on a Residual Waste Form 26R, or a separate waste characterization using the parameters from Form 26R.

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, the residual wastes shall not be accepted by the permittee until such time as the transporter is able to provide the required information.

(ii) The following conditions apply to the characterization of residual wastes received by the permitted treatment facility:

(1) The permitted facility must receive and maintain on file a characterization of the residual wastes it receives from the generator, as required by 25 Pa. Code 287.54. The characterization shall conform to the Bureau of Waste Management's Form 26R except as noted in paragraph (2), below. Each load of residual waste received must be characterized accordingly.

(2) For wastewater generated from hydraulic fracturing operations ("frac wastewater") within the first 30 production days of a well site, the characterization may be a general frac wastewater characterization approved by DEP. Thereafter, the characterization must be waste-specific and reported on the Form 26R.

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) 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-WSFR0437) 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 Sections 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-WSFR0440). The reports shall contain the information listed in paragraph C.4.b.(ii) of this section. (40 CFR 122.41(l)(7))

**PART B**

**I. MANAGEMENT REQUIREMENTS**

- A. Compliance Schedules (25 Pa. Code 92a.51, 40 CFR 122.47(a))
1. The permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in this permit.
  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. (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 Title 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 estimate concentration of each pollutant discharged into the POTW by the indirect discharger.
    - c. A "Solids Management Inventory" including the following information for the preceding year, at a minimum: average annual flow (MGD), average influent BOD<sub>5</sub> (mg/l), average effluent CBOD<sub>5</sub> (mg/l), total volume of sludge wasted (gallons), average solids concentration of return or waste sludge flow (mg/l), and total sludge or biosolids generated (wet or dry tons).
    - 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. POTWs shall require indirect dischargers to the treatment works subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act to comply with the reporting requirements of Sections 204(b), 307, and 308 of the Clean Water Act and regulations thereunder.
2. 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)
3. 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.
4. 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
    - (i) The permittee shall submit immediate notice of an unanticipated bypass causing or threatening pollution. The notice shall be in accordance with Part A III.C.4.a.
    - (ii) 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.

## 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; (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; and (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 that has demonstrated 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 DEP regulations. (25 Pa. Code 92a.71)

3. In the event DEP does not approve transfer of this permit, the new owner or controller 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.

IV. ANNUAL FEE

Permittees shall pay an annual fee in accordance with 25 Pa. Code § 92a.62. Annual fee amounts are specified in the following schedule and are due on each anniversary of the effective date of the most recent new or reissued permit. All flows identified in the schedule are annual average design flows. (25 Pa. Code 92a.62)

Small Flow Treatment Facility (SRSTP or SFTF)	\$0
Minor Sewage Facility < 0.05 MGD (million gallons per day)	\$250
Minor Sewage Facility ≥ 0.05 and < 1 MGD	\$500
Minor Sewage Facility with CSO (Combined Sewer Overflow)	\$750
Major Sewage Facility ≥ 1 and < 5 MGD	\$1,250
Major Sewage Facility ≥ 5 MGD	\$2,500
Major Sewage Facility with CSO	\$5,000

As of the effective date of this permit, the facility covered by the permit is classified in the following fee category: **Major Sewage Facility with CSO.**

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. Throughout a five year permit term, permittees will pay four annual fees followed by a permit renewal application fee in the last year of permit coverage. Permittees may contact the DEP at 717-787-6744 with questions related to annual fees.

Payment for annual fees shall be remitted to DEP at the address below by the anniversary date. Checks should be made payable to the Commonwealth of Pennsylvania.

PA Department of Environmental Protection  
Bureau of Point and Non-Point Source Management  
Re: Chapter 92a Annual Fee  
P.O. Box 8466  
Harrisburg, PA 17105-8466

**PART C**

**I. OTHER REQUIREMENTS**

**ONE:** Outfall 002 has been identified as an emergency outfall that would receive flow from the Primary Clarifier effluent channel within the Treatment Plant. In the event that this outfall would need to be utilized, the conditions outlining bypassing in Part B of the permit under Management Requirements, Section I.G. would have to be met.

**TWO:** No storm water from pavements, area ways, roofs, foundation drains or other sources shall be directly admitted to the sanitary sewers associated with the herein approved discharge.

**THREE:** 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 and 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.

**FOUR:** 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 granted to discharge such effluent shall cease and become null and void unless within 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 receiving body of water.

**FIVE:** Analysis for Carbonaceous Biochemical Oxygen Demand (CBOD5) shall be done in accordance with methods specified in the editions of Standard Methods for the Examination of Water and Wastewater that have been approved by USEPA.

**SIX:** Collected screenings, slurries, sludges, and other solids shall be handled and disposed of in compliance with 25 Pa. Code, Chapters 75, and in a manner equivalent to the requirements indicated in 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.

**SEVEN: CHESAPEAKE BAY STRATEGY**

**I. SCHEDULE:**

**A. Timing For Effective Dates Of Effluent Limitations.** The following schedule applies to effluent limitations in this permit:

<u>Provision Containing Effluent Limitation</u>	<u>Effective Date</u>
Part A.I.A.2	(Permit Effective Date) through 9/30/2014
Part A.I.B.2	(Permit Effective Date) through 3/31/2013
Part A.I.C.2	4/1/2013 through 9/30/2013
Part A.I.D.2	10/1/2013 through 9/30/2014

The permittee shall achieve compliance with all other terms and conditions of this permit upon the effective date of the permit, unless otherwise specified.

- B. **Compliance Schedule.** The permittee shall be in compliance with effluent limitations for Nitrogen and Phosphorus contained in Part A.I.C.2 and A.I.D.2, or terminate this discharge, in accordance with the following schedule:

Activity	Due Date
1. Submit WQM Part II Permit Application	9/30/2009
2. Contract Award and Notice to Proceed	6/30/2010
3. Construction or Implementation Progress Report(s)	Quarterly Due 1/15, 4/15, 7/15 & 10/15
5. Compliance with effluent limitations	4/1/2013
4. Issue Certification of Substantial Completion (Plant Fully Operational)	10/1/2013

- C. No later than 14 calendar days following the date identified in the above schedule of compliance, the permittee shall submit to the Department a written notice of compliance or non-compliance with the specific schedule requirement(s) to:

Department of Environmental Protection  
Clean Water Program  
ATTN: Erika Bloxham  
Environmental Protection Compliance Specialist  
2 Public Square  
Wilkes-Barre, PA 18711-0790

- D. Each notice of non-compliance, at a minimum, shall include the following information:
1. A description of the noncompliance.
  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 noncompliance.
  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.
  5. A revised schedule of compliance for Department approval.
- E. The permittee should contact the compliance specialist indicated in the event of anticipated non-compliance with any of a compliance schedule activities listed, seven (7) days prior to the due date of the activity.

## II. CHESAPEAKE BAY NUTRIENT REQUIREMENTS

The Annual Net Total Nitrogen (TN) and Annual Net Total Phosphorus (TP) Mass Load effluent limitations (Cap Loads) in Part A.I.C and Part A.I.D are required in order to meet the downstream water quality standards of the State of Maryland, as required by 25 Pa. Code Chapter 92a, the federal Clean Water Act and implementing regulations. These effluent limitations do not reflect Credits applied or sold or Offsets applied during this permit cycle.

### A. Definitions

**Cap Load (lbs):** The mass load of a pollutant authorized by an NPDES permit. Cap loads for TN and TP are implemented in NPDES permits by the establishment of Annual Net TN and TP Mass Load limits. The term "Net" is used to recognize that Credits and Offsets may be used to comply with the limits. The Annual Net Mass Load must be less than or equal to the Cap Load to achieve compliance.

**Certification:** Written approval by the Department of a proposed pollutant reduction activity to generate credits before the credits are verified and registered to be used to comply with NPDES permit effluent limitations.

**Compliance Year:** The year-long period starting October 1<sup>st</sup> and ending September 30<sup>th</sup>. The Compliance Year will be named for the year in which it ends. For example, the period of October 1, 2011 through September 30, 2012 is compliance year 2012.

**Credit:** The tradable unit of compliance that corresponds with a unit of reduction of a pollutant as recognized by DEP which, when certified, verified and registered, may be used to comply with effluent limits contained in an NPDES permit.

If the Annual Total Mass Load at the end of the Compliance Year is less than the Cap Load in the permit, the number of Credits that may be verified is determined by the following equation:

$(\text{Cap Load} - \text{Offsets incorporated into Cap Load (if applicable)} - \text{Annual Total Mass Load}) \times \text{Delivery Ratio} \times 0.9$ , where 0.9 is the factor used to provide a reserve ratio of 10%.

\* In the event that 1) DEP certified Credits prior to March 1, 2012 and 2) DEP issued the Credit certification in a manner that included Offsets, DEP will register those Credits until the expiration date of the Credit certification.

**Delivery Ratio:** A ratio that compensates for the natural attenuation of a pollutant as it travels in water before it reaches a defined compliance point. The Delivery Ratios for the facility authorized to discharge under this permit are as follows:

- TN: **0.733**
- TP: **0.436**

**Net Mass Load (lbs):**

- **Monthly Net Mass Load** = Total Monthly Mass Load + (Total Credits sold during the month / Delivery Ratio) - (Total Credits applied during the month / Delivery Ratio) - Offsets applied.
- **Annual Net Mass Load** = The sum of Monthly Net Mass Loads for one year beginning October 1<sup>st</sup> and ending September 30<sup>th</sup>, adjusted for transactions that may occur during the Truing Period.

**Offset:** The pollutant load reduction measured in pounds (lbs) that is created by an action, activity or technology which, when approved by DEP, may be used to comply with effluent limits contained in an NPDES permit. The offset may only be used by the NPDES permittee that DEP determines is associated with the load reduction achieved by the action, activity or technology. Offsets may be applied to meet compliance with Cap Loads, but may not be treated as Credits, and are not eligible for sale or trading.

**Registration:** An accounting mechanism used by the Department to track certified and verified credits before they may be used to comply with NPDES permit effluent limitations.

**Total Mass Load (lbs):**

- **Monthly Total Mass Load** = The sum of the actual daily discharge loads (lbs/day) divided by the number of samples per month, multiplied by the number of days in the month. The daily discharge load (lbs/day) equals the average daily flow (MGD) on the day of sampling, multiplied by that day's sample concentration (mg/l), multiplied by 8.34.
- **Annual Total Mass Load** = The sum of the Monthly Total Mass Loads for one year beginning October 1<sup>st</sup> and ending September 30<sup>th</sup>.



**Concentration:** For concentration and load, 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.

**Truing Period:** The time provided at the end of each Compliance Year for a permittee to come into compliance through the application of Credits and Offsets towards the Annual Net Mass Loads. The Truing Period will start on October 1<sup>st</sup> and end on November 28<sup>th</sup> of the same calendar year. During this period, compliance for the specified year may be achieved by using registered Credits that were generated during that Compliance Year. For example, Credits that are used to achieve compliance in Compliance Year 2012 must have been generated during Compliance Year 2012. Approved Offsets that have been generated may also be applied during the Truing Period.

**Verification:** Assurance that the verification plan contained in a certification, permit or other approval issued by the Department under this section has been implemented. Verification is required prior to registration of the credits for use in an NPDES permit to comply with NPDES permit effluent limitations.

B. Use of Credits for Compliance

1. The permittee is authorized to apply TN and TP Credits to achieve compliance with Cap Loads when the Credits are certified, verified and registered in accordance with 25 Pa. Code 96.8.
2. All Credits must be certified, verified, and registered for the year in which they are used for compliance with this permit. Credits may be applied to achieve compliance until the end of the Truing Period for the Compliance Year.
3. Where non-compliance with a Cap Load is the result of an unmet obligation of a contractual agreement for Credits resulting from failure of the pollutant reduction activity, the failure of the pollutant reduction activity was due to uncontrollable or unforeseeable circumstances, and the permittee provides timely notice to DEP, DEP may consider the factors contained in 25 Pa. Code 96.8(h)(5)(i), (ii), and (iii) to determine the appropriate resolution.

C. Use of Offsets for Compliance

1. Offsets must be approved by DEP in writing before they may be applied for compliance with Cap Loads, in accordance with 25 Pa. Code 96.8(h)(3).
2. Offsets that are approved under this permit are listed in Part A, Footnotes. These Offsets may be applied each Compliance Year to achieve compliance with the Cap Loads. The application of these Offsets may be reported on a monthly basis or on an annual basis, at the permittee's discretion. Additional Offsets may be approved throughout the permit term.
3. Offsets may be approved for the connection of on-lot sewage disposal systems that existed prior to January 1, 2003 to public sewers. Twenty five pounds (25 lbs) of TN Offsets per year may be approved for each on-lot system retirement. These approved Offsets are cumulative. For example, if 10 on-lot systems are retired in year 1 (250 lbs TN approved Offsets) and 10 on-lot systems are retired in year 2, 500 lbs TN Offsets may be used toward compliance with the TN Cap Load in year 2 and thereafter.

For DEP to approve on-lot system retirement Offsets, the permittee must submit documentation indicating the on-lot systems existed prior to January 1, 2003 and were eliminated by connection to public sewers after January 1, 2003. This documentation must be retained by the permittee for as long as the Offsets are used to achieve compliance with Cap Loads.

4. Offsets may be approved for the transfer of load between facilities owned by the same entity.

D. Modification of Cap Loads

In general, the Cap Loads specified in this permit may be modified only if one or more of the following occur during the permit term:



1. A facility that has an NPDES permit elects to eliminate its discharge and connect to the facility covered under this permit. The lesser of existing annual loads or the facility's Cap Loads will be added to the Cap Loads in this permit.
2. DEP or EPA determines that modified Cap Loads are necessary to achieve water quality standards for the protection of the Chesapeake Bay.

E. Reporting Requirements

1. The facility shall utilize DEP's electronic Discharge Monitoring Report (eDMR) system to submit DMR data and Supplemental DMR forms. This is required to assist DEP with nutrient credit certification and verification, and compliance assessment. Unless the permittee is already using the eDMR system, within 30 days of permit issuance, the permittee shall submit the necessary Registration and Trading Partner Agreement forms to participate in eDMR, and begin using eDMR for submission of DMR data and Supplemental DMR forms when DEP notifies the permittee to begin doing so. The eDMR website is <http://www.dep.state.pa.us/edmr>. Use of eDMR shall continue unless the requirements of Part A III.B.3 are met.
2. The Nutrient Monitoring supplemental form (3800-FM-WSFR0444) shall be used to report daily nutrient sampling results for each monitoring period. This completed form shall be attached to the DMR submission. The spreadsheet version of this form, available on DEP's website, must be used for Credit certification and verification requests submitted to DEP.
3. The Monthly Nitrogen Budget and Monthly Phosphorus Budget supplemental forms (3800-FM-WSFR0445 and 3800-FM-WSFR0446, respectively) shall be used to calculate Monthly Net Mass Loads. The permittee shall report Credits applied or sold during the monitoring period, including registry number, contract effective date, and DEP certification approval date, and approved Offsets applied during the monitoring period, including the source of Offsets and DEP approval date. The completed forms shall be attached to the DMR submission.
4. The DMR for the reporting of Annual Net Mass Loads for TN and TP is due on November 28<sup>th</sup> following each Compliance Year. Also due on November 28<sup>th</sup> is the Annual Nutrient Summary supplemental form (3800-FM-WSFR0447), which must be attached to the DMR. This form shall be used to calculate the Annual Net Mass Load and summarize the Credits applied or sold and approved Offsets applied throughout the entire Compliance Year and Truing Period. If Credits are applied or sold or if approved Offsets are applied during the Truing Period, the Monthly Nitrogen Budget and/or Monthly Phosphorus Budget supplemental forms shall also be attached to the DMR to record details of these transactions.

**EIGHT: OPERATION AND IMPLEMENTATION OF A PRETREATMENT PROGRAM**

- (a) General Requirement - The permittee shall operate, and implement an industrial pretreatment program in accordance with the federal Clean Water Act, the Pennsylvania Clean Streams Law, and the federal regulations at 40 CFR Section 403. The program shall also be implemented in accordance with the pretreatment program and any modifications thereto submitted by the permittee and approved by the Approval Authority.
- (b) Annual Report and Other Requirements - The permittee shall submit an Annual Report by March 31 of each year to DEP and EPA that describes the permittee's pretreatment activities for the previous calendar year. The Annual Report shall include a description of pretreatment activities in all municipalities from which wastewater is received at the permittee's POTW. The submission to DEP shall be incorporated into the permittee's Annual Municipal Wasteload Management Report required by 25 Pa. Code Chapter 94 of the Department's Rules and Regulations. In addition, the permittee shall meet all of the conditions specified below whether or not they relate to the Annual Report:

1. Control Mechanism Issuance - The Annual Report shall contain a summary of Significant Industrial User (SIU) control mechanism issuance, including a list of issuance and expiration dates for each SIU;
  2. Sampling and Inspection - The Annual Report shall contain a summary of the number and type of inspections and sampling of SIUs by the permittee, including a list of all SIUs either not sampled or not inspected, and the reason that the sampling and/or inspection was not conducted;
  3. Industrial User Compliance and POTW Enforcement - The Annual Report shall contain a summary of the number and type of violations of pretreatment standards and requirements, local limits, and any other pretreatment obligations, and the actions taken by the permittee to obtain compliance, including civil penalty assessments and actions for injunctive relief. The report shall state whether each SIU was in significant noncompliance, as that term is defined in 40 CFR Section 403.8(f)(2)(viii);
  4. Industrial Listing - The Annual Report shall contain an updated industrial listing showing all current SIUs and the categorical standard, if any, applicable to each;
  5. Summary of POTW Operations - The Annual Report shall contain a summary of any interference, pass-through, or permit violations by the POTW which may be attributed to industrial users, and actions taken to address these events. The summary shall also include sampling and analysis of treatment plant influent, effluent, and sludge for toxic and incompatible pollutants. The summary shall also include an analysis of any trends in such data since pretreatment program approval;
  6. Pretreatment Program Changes - The Annual Report shall contain a summary of any changes to the approved program and the date of submission to the Approval Authority;
  7. Monitoring - The permittee shall conduct monitoring at its treatment plant that, at a minimum, includes quarterly influent, effluent, and sludge analysis for all local limit parameters, and an annual priority pollutant scan for influent and sludge.
- (c) Notification of Pass-Through or Interference - The permittee shall notify DEP, in writing, of any instance of pass-through or interference related to an industrial discharge from an IU into the POTW. The notification shall be attached to the discharge monitoring report submitted to EPA and DEP and shall describe the incident, including the date, time, length, cause (including responsible user if known), and the steps taken by the permittee and IU (if identified) to address the incident. A copy of the notification shall also be sent to the EPA at the address provided below.
- (d) Changes to Pretreatment Program - DEP and EPA may require the permittee to submit for approval changes to its pretreatment program if any one or more of the following conditions is present:
1. The program is not implemented in accordance with 40 CFR Part 403;
  2. Problems such as interference, pass-through or sludge contamination develop or continue;
  3. Federal, State, or local requirements change;
  4. Changes are needed to assure protection of waters of the Commonwealth.
- (e) Procedure for Pretreatment Program Changes - Upon submittal by the permittee, and notice of approval by the Approval Authority to the permittee of any changes to the permittee's approved pretreatment program, such changes are effective and binding upon the permittee. The Department may, in its discretion, pursuant to Chapter 92 or by Department Order, modify this permit during its term to include such changes. Any such permit changes shall be considered minor modifications to the permit.
- (f) Correspondence - The Approval Authority shall be EPA at the following address:

Pretreatment Coordinator (3WP41)  
U.S. Environmental Protection Agency  
1650 Arch Street  
Philadelphia, PA 19103

Copies of all correspondence and reports dealing with this program shall be sent to:

Department of Environmental Protection  
Northeast Regional Office  
Clean Water Program - Operations Section  
2 Public Square  
Wilkes-Barre, PA 18711-0790

### **NINE: MANAGEMENT AND CONTROL OF COMBINED SEWER OVERFLOWS**

- I. Combined sewer overflows (CSOs) are allowed to discharge only in compliance with this permit when flows in combined sewer systems exceed the design capacity of the conveyance or treatment facilities of the system during or immediately after wet weather periods. Overflows that occur without an accompanying precipitation event or snow-melt are termed "dry weather overflows" and are prohibited. CSOs are point source discharges that must be provided with control measures in accordance with the Federal Clean Water Act and the 1994 National CSO Policy.

The point source discharge locations (outfalls) specifically identified in the application submitted by the permittee serve as known combined sewer overflow locations on the permittee sewer system.

### **II. CONTINUED IMPLEMENTATION OF TECHNOLOGY-BASED NINE MINIMUM CONTROLS**

- A. Upon issuance of this permit, the permittee shall continue the implementation of the NMCs, demonstrate system wide compliance with the NMCs and submit discharge monitoring reports and annual reports to the Department with appropriate documentation. The permittee's NMC documentation report is incorporated in this permit and the NMCs are listed here:
1. Proper operation and regular maintenance programs for the sewer system and the CSOs.
  2. Maximum use of the collection system for storage.
  3. Review and modification of pretreatment requirements to assure CSO impacts are minimized.
  4. Maximization of flow to the publicly owned treatment works for treatment.
  5. Prohibition of CSOs during dry weather.
  6. Control of solid and floatable materials in CSOs.
  7. Pollution prevention.
  8. Public notification to ensure that the public receives adequate notification of CSO occurrences and CSO impacts.
  9. Monitoring to effectively characterize CSO impacts and the efficacy of CSO controls.
- B. The Department will use the EPA guidance document entitled "Guidance For Nine Minimum Controls" (EPA 832-B-95-003), dated May 1995, and specific comments provided during review of the NMC documentation reports to determine continued compliance with the CSO permit requirements.

### **III. IMPLEMENTATION OF WATER QUALITY-BASED LONG TERM CONTROL PLAN (LTCP)**

- A. The long term goal of the LTCP requirements in this permit is to achieve compliance with the state water quality standards upon completion of the LTCP implementation. The CSO discharge(s) shall comply with the performance standards of the selected CSO controls and shall comply with the water quality standards found in Chapter 93. When additional CSO-related information and data becomes available to revise water quality-based effluent limitations, the permit should be revised, as appropriate, to reflect the new effluent limitations.

- B. The permittee shall continue the implementation of the LTCP, demonstrate system-wide compliance with the LTCP's installed alternatives and submit with the Annual Report referenced in paragraph IV.B below, annual progress reports on implementation.
- C. The LTCP, at a minimum, shall incorporate the following requirements:
1. Continued implementation of the nine minimum controls.
  2. Protection of sensitive areas (recreation areas, public water supply, unique ecological habitat, etc.);
  3. Characterization, monitoring and modeling of overflows and assessment of water quality impacts;
  4. Evaluation and selection of control alternative - presumptive or demonstrative approach;
  5. Public participation in LTCP plan development and implementation;
  6. Implementation schedule and financing plan for selected control options;
  7. Maximizing treatment at the existing POTW treatment plant;
  8. The selected CSO controls should include a post-construction monitoring program plan adequate to verify compliance with water quality standards and protection of designated uses as well as to ascertain the effectiveness of CSO controls. This water quality compliance monitoring program should include a plan to be approved by the Department that details the monitoring protocols to be followed; and,
  9. CSO System Operational Plan.
- D. The LTCP is described in the EPA's guidance document entitled "Guidance For Long Term Control Plan" (EPA 832-B-95-002), dated September 1995. Using a compliance monitoring program, the permittee shall periodically review the effectiveness of the LTCP and propose any changes or revisions to the LTCP to the Department for review and approval before its implementation.
- E. The permittee shall implement, inspect, monitor and effectively operate and maintain the CSO controls identified in the LTCP pursuant to the LTCP implementation schedule, which is incorporated herein by reference. Notwithstanding any other provisions of this permit, the permittee will achieve the interim steps or milestones identified in the LTCP.

#### IV. MONITORING AND REPORTING REQUIREMENTS

- A. Discharge Monitoring Report for Combined Sewer Overflows (DMR for CSOs):

The permittee shall record data on CSO discharges in the format specified in the Department's DMR for CSOs attached to this permit. The data shall be submitted to the appropriate regional office of the Department within 28 days of the end of the month. For CSOs that are part of a permitted POTW, the DMR for CSOs must be submitted with the permittee's regular DMR. Copies of the DMRs for CSOs must be retained at the STP site for at least five (5) years.

- B. Annual CSO Status Report

On March 31 of each year, an Annual CSO Status Report shall be submitted to the Department with the annual "Municipal Wasteload Management Report" required by 25 Pa. Code Chapter 94, Section 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.

1. The Annual CSO Status Report shall:

- a. Provide a summary of the frequency, duration and volume of the CSO discharges for the past calendar year;
- b. Provide the operational status of overflow points;
- c. Provide an identification of known in-stream water quality impacts, their causes, and their effects on downstream water uses;
- d. Summarize all actions taken to implement the NMCs and the LTCP and their effectiveness; and,
- e. Evaluate and provide a progress report on implementing and necessary revisions to the NMC and LTCP.

2. Specifically, the following CSO-related information shall be included in the report:

- a. Rain gauge data - total inches (to the nearest 0.01 inch) that caused each CSO discharge being reported in the supplemental DMR for CSOs.
- b. Inspections and maintenance.
  - 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.
- c. Dry weather overflows  
Dry weather CSO discharges are prohibited. Immediate telephone notification to DEP of such discharge is required in accordance with 25 Pa. Code, Section 91.33. Indicate location, date and time discovered, date and time corrected/ceased, and action(s) taken to prevent their reoccurrence. A plan to correct this condition and schedule to implement the plan must be submitted with the DMR for CSOs.
- d. Wet weather overflows
  - 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.

V. 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.



VI. PERMIT REOPENER CLAUSE

The Department reserves the right to modify, revoke and reissue this permit as provided pursuant to 40 CFR 122.62 and 124.5 for the reasons set forth in 25 Pa. Code Section 92.51(2) and for the following reasons:

- A. 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.
- B. To include new or revised conditions if new information indicates that CSO controls imposed under the permit have failed to ensure the attainment of State Water Quality Standards.
- C. To include new or revised conditions based on new information resulting from implementation of the LTCP or other plans or data.

VII. COMBINED SEWER OVERFLOW COMPLIANCE SCHEDULE

The permittee shall complete the above CSO activities in accordance with the following compliance schedule:

<u>Schedule Activity Description</u>	<u>Compliance Due Date</u>
Continue Implementation of the NMCs	Permit effective date
Continue Implementation of the LTCP	Permit effective date
Submit Annual CSO Status Report to Department with Chapter 94 Report	March 31 of each year
Submit DMR for CSOs (Attachment 4)	Within 28 days of the end of a month

**TEN: WHOLE EFFLUENT TOXICITY (WET) TESTING**

The permittee shall conduct Whole Effluent Toxicity Testing within the final 18 months of this permit cycle, according to Federal Regulation 40 CFR § 122.21(j)(5). The results shall be submitted with their next NPDES Permit application. The appropriate biomonitoring protocol for the testing can be obtained from the PA DEP Central Office at the following address:

PA Department of Environmental Protection  
Clean Water Program  
2 Public Square, 3rd Floor  
Wilkes Barre, PA 18701  
Telephone: 570-826-2511

**ELEVEN: REQUIREMENTS FOR FACILITIES WITH BUILT-IN EXCESS HYDRAULIC CAPACITY**

a) The "average monthly flow" is based upon the actual hydraulic design capacity of 25.0 MGD which has been specifically designed to accommodate stormwater inflow within the facility's tributary wastewater collection/conveyance system. In order to protect and maintain such built-in excess hydraulic capacity, the quantities of dry weather waste flow from existing and future residential, commercial and industrial sources must be closely



managed. For the purpose of demonstrating compliance with these management requirements the permittee shall monitor and report both "average monthly flow" and "average dry weather flow."

b. The term "average dry weather flow" means the arithmetic mean of daily measurements taken during the calendar month of flow which is attributable primarily to residential, commercial, and industrial sources tributary to the permittee's wastewater treatment facilities.

c. The "average dry weather" flow for the permittee's wastewater treatment facilities has been determined to be 20.0 mgd based upon information provided by the permittee.

When the "average dry weather flow" is exceeded for a period of three (3) consecutive months, the Department will consider the official Act 537 plan(s) for sewage facilities of the municipality(ies) concerned as inadequate and may require a revision to such plan(s) to insure sufficient treatment plant capacity.

d. When the "average monthly flow" is exceeded for a period of three (3) consecutive months, the Department will consider the treatment facilities as "hydraulically overloaded" under the provisions of the Department's rules and regulations 25 PA Code Chapter 94, Municipal Wasteload Management.

e. The concentration based effluent limitations on Page 2 are based upon the average dry weather flow of 20.0 MGD.

f. The mass-based effluent limitations for CBOD<sub>5</sub>, TSS and NH<sub>3</sub>-N on Page 2 are based upon the hydraulic design capacity of 25.0 MGD.

**TWELVE: Operating and Monitoring Protocols for Outfall 003:**

Operating Protocols:

- a. Operating mechanisms shall be set to convey the peak sanitary flow of 39 MGD to the WWTP for one hour and 25 MGD thereafter;
- b. Outfall 003 may discharge combined sewer overflow during wet weather conditions to the extent that combined sewage flows to the WWTP exceed 39 MGD for more than one hour in a twenty-four hour period.

Monitoring Protocols:

- a. Permittee shall collect data indicating the date, time, flow, cause, duration, and total quantity measured in MGD of discharges from Outfall 003 using the recently installed flow chart meter.
- b. Permittee shall collect data on the flow through the WWTP measured in MGD on an hourly basis.
- c. The monitoring information described in this Paragraph shall be submitted to Department of Environmental Protection's Northeast Regional Office on a monthly basis for each instance in which there is a discharge through Outfall 003.

Reporting:

- a. In the event there is a discharge from Outfall 003 when combined sewage flows to the WWTP have not exceeded 39 MGD for more than one hour in a twenty-four hour period, permittee shall notify DEP and EPA within 30 days of the discharge. Such notification shall describe the cause of the discharge (including the underlying cause of any condition, such as excess grit, that resulted in the discharge) and shall propose a schedule to implement corrective action to prevent a recurrence.

**THIRTEEN:** Use of tertiary nutrient filtration to meet nutrient effluent limitations shall be subject to the following requirements. The tertiary nutrient filters shall be operated at all times and treat up to the design flow capacity of the tertiary nutrient filters. Tertiary nutrient filtration shall be designed to treat at a minimum, the annual average daily design flow used to determine effluent limitations for this facility. NPDES compliance sampling for TP and TN shall be conducted in accordance with the nutrient requirements in Part A.I.C.2 and A.I.D.2 on any day the wastewater flow is diverted around the tertiary nutrient filters. To clarify, this may require sampling more often than is specified in Part A of this permit. The information shall be reported monthly supplemental to the Discharge Monitoring Report.



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER STANDARDS AND FACILITY REGULATION  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)**

PERMITTEE NAME/ADDRESS

NAME Scranton Sewer Authority  
 ADDRESS 312 Adams Avenue  
Scranton, PA 18503  
 FACILITY Scranton Sewer Authority Wastewater Treatment Plant  
 LOCATION City of Scranton  
Lackawanna County  
 WATERSHED 5-A

**PA0026492 A-2**  
 PERMIT NUMBER

**001**  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: Permit Effective Date  
 DMR Effective To: September 30, 2014  
 Permit Expires: September 30, 2014  
 Permit Application Due: April 3, 2014

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Check Here if No Discharge  
 NOTE: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE		
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE					
Flow	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	MGD	****	****	****	****	Continuous	Recorded Daily Flow		
	SAMPLE MEASUREMENT	****	****	****	****	****	****	****	****	****		
pH	PERMIT REQUIREMENT	****	****	****	6.0 Min	****	9.0 Max	S.U.	1/day	Grab		
	SAMPLE MEASUREMENT	****	****	****	****	****	****	****	****	****		
Dissolved Oxygen	PERMIT REQUIREMENT	****	****	****	5.0 Min	****	****	mg/L	1/day	Grab		
	SAMPLE MEASUREMENT	****	****	****	****	****	****	****	****	****		
Total Residual Chlorine	PERMIT REQUIREMENT	****	****	****	****	0.37 Avg Mo	1.35 MAX	mg/L	1/shift	Grab		
	SAMPLE MEASUREMENT	****	****	****	****	****	****	****	****	****		
CBOD5	PERMIT REQUIREMENT	3,800 Avg Mo	5,600 Wkly Avg	lbs/day	****	18 Avg Mo	27 Wkly Avg	mg/L	1/day	24-Hr Composite		
	SAMPLE MEASUREMENT	****	****	****	****	****	****	****	****	****		
Total Suspended Solids	PERMIT REQUIREMENT	6,300 Avg Mo	9,400 Wkly Avg	lbs/day	****	30 Avg Mo	45 Wkly Avg	mg/L	1/day	24-Hr Composite		
	SAMPLE MEASUREMENT	****	****	****	****	****	****	****	****	****		
Fecal Coliform May 1 - Sep 30	PERMIT REQUIREMENT	****	****	****	****	200 Geo-Mean	****	CFU/100 ml	1/day	Grab		
	SAMPLE MEASUREMENT	****	****	****	****	****	****	****	****	****		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).				TELEPHONE			DATE				
TYPED OR PRINTED					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			AREA CODE	NUMBER	YEAR	MO	DAY
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")												



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER STANDARDS AND FACILITY REGULATION  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)**

PERMITTEE NAME/ADDRESS

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 ADDRESS 312 Adams Avenue  
Scranton, PA 18503  
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 LOCATION City of Scranton  
Lackawanna County  
 WATERSHED 5-A

**PA0026492 A-2**  
 PERMIT NUMBER

**001**  
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MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Reporting Frequency: Monthly  
 DMR Effective From: Permit Effective Date  
 DMR Effective To: September 30, 2014  
 Permit Expires: September 30, 2014  
 Permit Application Due: April 3, 2014

Check Here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				
Fecal Coliform Oct 1 - Apr 30	SAMPLE MEASUREMENT	*****	*****		*****		*****					
	PERMIT REQUIREMENT	*****	*****	*****	*****	2,000 Geo. Mean	*****	CFU/ 100 ml		1/day	Grab	
Ammonia-Nitrogen May 1 - Oct 31	SAMPLE MEASUREMENT		*****		*****		*****					
	PERMIT REQUIREMENT	630 Avg. Mo	*****	lbs/day	*****	3.0 Avg. Mo	*****	mg/L		1/day	24-Hr Composite	
Ammonia-Nitrogen Nov 1 - Apr 30	SAMPLE MEASUREMENT		*****		*****		*****					
	PERMIT REQUIREMENT	1,900 Avg. Mo	*****	lbs/day	*****	9.0 Avg. Mo	*****	mg/L		1/day	24-Hr Composite	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).							TELEPHONE		DATE		
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")												





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
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PERMITTEE NAME/ADDRESS

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 FACILITY  
 LOCATION City of Scranton  
Lackawanna County  
 WATERSHED 5-A

**PA0026492 A-2**  
 PERMIT NUMBER

**001**  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: Permit Effective Date  
 DMR Effective To: March 31, 2013  
 Permit Expires: September 30, 2014  
 Permit Application Due: April 3, 2014

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Check Here if No Discharge  
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PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Ammonia—N	PERMIT REQUIREMENT	Report Total Mo	Report Total Annual	lbs	****	Report Avg Mo	****	mg/L		1/month	Calculation
	SAMPLE MEASUREMENT		****		****		****				
Kjeldahl—N	PERMIT REQUIREMENT	Report Total Mo	****	lbs	****	Report Avg Mo	****	mg/L		1/week	24-Hr Composite
	SAMPLE MEASUREMENT		****		****		****				
Nitrate-Nitrite as N	PERMIT REQUIREMENT	Report Total Mo	****	lbs	****	Report Avg Mo	****	mg/L		1/week	24-Hr Composite
	SAMPLE MEASUREMENT		****		****		****				
Total Nitrogen	PERMIT REQUIREMENT	Report Total Mo	Report Total Annual	lbs	****	Report Avg Mo	****	mg/L		1/month	Calculation
	SAMPLE MEASUREMENT				****		****				
Total Phosphorus	PERMIT REQUIREMENT	Report Total Mo	Report Total Annual	lbs	****	Report Avg Mo	****	mg/L		1/week	24-Hr Composite
	SAMPLE MEASUREMENT				****		****				
Net Total Nitrogen	PERMIT REQUIREMENT	Report Total Mo	Report Total Annual	lbs	****		****	****		1/month	Calculation
	SAMPLE MEASUREMENT				****	****	****				
Net Total Phosphorus	PERMIT REQUIREMENT	Report Total Mo	Report Total Annual	lbs	****		****	****		1/month	Calculation
	SAMPLE MEASUREMENT				****	****	****				
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).				TELEPHONE		DATE				
TYPED OR PRINTED					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR	MO	DAY
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")											



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER STANDARDS AND FACILITY REGULATION  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)**

PERMITTEE NAME/ADDRESS

NAME Scranton Sewer Authority  
 ADDRESS 312 Adams Avenue  
Scranton, PA 18503  
Scranton Sewer Authority Wastewater Treatment Plant  
 FACILITY  
 LOCATION City of Scranton  
Lackawanna County  
 WATERSHED 5-A

**PA0026492 A-2**  
 PERMIT NUMBER

**001**  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: April 1, 2013  
 DMR Effective To: September 30, 2013  
 Permit Expires: September 30, 2014  
 Permit Application Due: April 3, 2014

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Check Here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				
Ammonia--N	SAMPLE MEASUREMENT				****		****					
	PERMIT REQUIREMENT	Report Total Mo	Report Total Annual	lbs	****	Report Avg Mo	****	mg/L	1/month	Calculation		
Kjeldahl--N	SAMPLE MEASUREMENT		****		****		****					
	PERMIT REQUIREMENT	Report Total Mo	****	lbs	****	Report Avg Mo	****	mg/L	1/week	24-Hr Composite		
Nitrate-Nitrite as N	SAMPLE MEASUREMENT		****		****		****					
	PERMIT REQUIREMENT	Report Total Mo	****	lbs	****	Report Avg Mo	****	mg/L	1/week	24-Hr Composite		
Total Nitrogen	SAMPLE MEASUREMENT				****		****					
	PERMIT REQUIREMENT	Report Total Mo	Report Total Annual	lbs	****	Report Avg Mo	****	mg/L	1/month	Calculation		
Total Phosphorus	SAMPLE MEASUREMENT				****		****					
	PERMIT REQUIREMENT	Report Total Mo	Report Total Annual	lbs	****	Report Avg Mo	****	mg/L	1/week	24-Hr Composite		
Net Total Nitrogen	SAMPLE MEASUREMENT				****	****	****					
	PERMIT REQUIREMENT	Report Total Mo	182.646 Total Annual	lbs	****	****	****	****	1/month	Calculation		
Net Total Phosphorus	SAMPLE MEASUREMENT				****	****	****					
	PERMIT REQUIREMENT	Report Total Mo	24.353 Total Annual	lbs	****	****	****	****	1/month	Calculation		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my history of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).							TELEPHONE		DATE		
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")												





**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER STANDARDS AND FACILITY REGULATION  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)**

PERMITTEE NAME/ADDRESS

NAME Scranton Sewer Authority  
 ADDRESS 312 Adams Avenue  
Scranton, PA 18503  
 FACILITY Scranton Sewer Authority Wastewater Treatment Plant  
 LOCATION City of Scranton  
Lackawanna County  
 WATERSHED 5-A

**PA0026492 A-2**  
 PERMIT NUMBER

**001**  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: October 1, 2013  
 DMR Effective To: September 30, 2014  
 Permit Expires: September 30, 2014  
 Permit Application Due: April 3, 2014

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Check Here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				
Ammonia—N	SAMPLE MEASUREMENT				****	****	****					
	PERMIT REQUIREMENT	Report Total Mo	Report Total Annual	lbs	****	Report Avg Mo	****	mg/L		1/month	Calculation	
Kjeldahl—N	SAMPLE MEASUREMENT		****		****	****	****					
	PERMIT REQUIREMENT	Report Total Mo	****	lbs	****	Report Avg Mo	****	mg/L		1/week	24-Hr Composite	
Nitrate-Nitrite as N	SAMPLE MEASUREMENT		****		****	****	****					
	PERMIT REQUIREMENT	Report Total Mo	****	lbs	****	Report Avg Mo	****	mg/L		1/week	24-Hr Composite	
Total Nitrogen	SAMPLE MEASUREMENT				****	****	****					
	PERMIT REQUIREMENT	Report Total Mo	Report Total Annual	lbs	****	Report Avg Mo	****	mg/L		1/month	Calculation	
Total Phosphorus	SAMPLE MEASUREMENT				****	****	****					
	PERMIT REQUIREMENT	Report Total Mo	Report Total Annual	lbs	****	Report Avg Mo	****	mg/L		1/week	24-Hr Composite	
Net Total Nitrogen	SAMPLE MEASUREMENT				****	****	****					
	PERMIT REQUIREMENT	Report Total Mo	365-292 Total Annual	lbs	****	****	****	****		1/month	Calculation	
Net Total Phosphorus	SAMPLE MEASUREMENT				****	****	****					
	PERMIT REQUIREMENT	Report Total Mo	48-706 Total Annual	lbs	****	****	****	****		1/month	Calculation	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4504 (relating to unsworn falsification).							TELEPHONE		DATE		
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")												



COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**SUPPLEMENTAL REPORT  
 DAILY EFFLUENT MONITORING**

Facility Name: Scranton Sewer Authority Wastewater Treatment Plant  
 Municipality: Scranton City County: Lackawanna  
 Watershed: 5-A  
 Laboratories: \_\_\_\_\_

Month: \_\_\_\_\_ Year: \_\_\_\_\_  
 NPDES Permit No.: PA0026492 A-2 Outfall No.: 001  
 Renewal application due 180 days prior to expiration  
 This permit will expire on September 30, 2014

Day	Effluent Parameters															
	Flow		pH		DO		TRC		CBOD5		TSS		Fecal Coliform		Ammonia	
	Q	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	CFU/100 ml	Q	mg/L
1																
2																
3																
4																
5																
6																
7																
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11																
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22																
23																
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25																
26																
27																
28																
29																
30																
31																
Avg																

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: \_\_\_\_\_  
 Title: \_\_\_\_\_

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



COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**SUPPLEMENTAL REPORT – INFLUENT & PROCESS CONTROL**

Facility Name: Scranton Sewer Authority Wastewater Treatment Plant  
 Municipality: Scranton City County: Lackawanna  
 Watershed: 5-A

Month: \_\_\_\_\_ Year: \_\_\_\_\_  
 NPDES Permit No.: PA0026492 A-2  
 Renewal application due **180 days** prior to expiration

Day	Influent					Process Control				
	Flow (MGD)	BOD5 (mg/l)	BOD5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
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21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Avg										
Max										

This permit will expire on September 30, 2014

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: \_\_\_\_\_  
 Title: \_\_\_\_\_

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





COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**SUPPLEMENTAL REPORT – HAULED IN MUNICIPAL WASTES**

Facility Name: Scranton Sewer Authority Wastewater Treatment Plant  
 Municipality: Scranton City County: Lackawanna  
 Watershed: 5-A

Month: \_\_\_\_\_ Year: \_\_\_\_\_  
 NPDES Permit No.: PA0026492 A-2  
 Renewal application due **180 days** prior to expiration  
 This permit will expire on September 30, 2014

Day	SEPTAGE				SLUDGE				OTHER (specify):				DAILY TOTALS	
	Gallons	BOD <sub>5</sub> (mg/l)	BOD <sub>5</sub> (lbs)	Disposal Location	Gallons	BOD <sub>5</sub> (mg/l)	BOD <sub>5</sub> (lbs)	Disposal Location	Gallons	BOD <sub>5</sub> (mg/l)	BOD <sub>5</sub> (lbs)	Disposal Location	Gallons	BOD <sub>5</sub> (lbs)
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
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22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
Avg													Monthly Totals:	

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: \_\_\_\_\_

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

Title: \_\_\_\_\_

Date: \_\_\_\_\_



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**SUPPLEMENTAL REPORT  
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL**

Facility Name: Scranton Sewer Authority Wastewater Treatment Plant  
Municipality: Scranton City County: Lackawanna  
Watershed: 5-A

Month: \_\_\_\_\_ Year: \_\_\_\_\_  
NPDES Permit No.: PA0026492 A-2  
Renewal application due **180 days** prior to expiration  
This permit will expire on September 30, 2014

**SEWAGE SLUDGE/BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)**

Check here if there were no off-site removal events during the month

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site				
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons		
TOTAL:				TOTAL:				TOTAL:			

**SEWAGE SLUDGE/BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION  
(Identify all sites where sewage sludge/biosolids or ash were disposed or land applied)**

Site Name	Municipality	County	DEP Permit No.	Type of Material*	Dry Tons Applied/Disposed	Type of Disposal/Use*	Hauler Name

\*See Instructions for explanation

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: \_\_\_\_\_  
Title: \_\_\_\_\_

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





COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**NON-COMPLIANCE REPORTING FORM**

Use this supplemental form to report all permit violations and any other non-compliance that may endanger health or the environment, in accordance with your permit. Complete all sections that apply. If you are reporting violations of permit limits, monitoring requirements or schedules that do not pose an immediate threat to health or the environment, you may attach this form to the Discharge Monitoring Report (DMR). Title 25, Pa. Code §§ 91.33 and 91.34 (regarding incidents causing or threatening pollution and activities utilizing pollutants, respectively), in part requires immediate notification by telephone to the Department of pollution incidents, remediation, and may require an additional report on the incident or plan of pollution prevention measures. If you are reporting other non-compliance events, and the reporting deadline does not coincide with your submission of the DMR, it should be submitted separately to the Department by the reporting deadline set forth in the permit. See instructions for more information.

Facility Name: Scranton Sewer Authority Wastewater Treatment Plant Month: \_\_\_\_\_ Year: \_\_\_\_\_  
 Municipality: Scranton City County: Lackawanna Permit No.: PA0026492 A-2

**Violations of Permit Effluent Limitations\***

Date	Parameter	Permit Limit	Units	Statistical Code	Result	Units	Cause of Violation	Corrective Action Taken

**Sanitary Sewer Overflows and Other Unauthorized Discharges\***

Event Date	Substance Discharged	Location	Volume (gals)	Duration (hrs)	Receiving Waters	Impact on Waters	Cause of Discharge	Date DEP Notified

**Other Permit Violations\***

- Sample collection less frequent than required Explain \_\_\_\_\_
- Sample type not in compliance with permit Explain \_\_\_\_\_
- Violation of permit schedule Explain \_\_\_\_\_
- Other Explain \_\_\_\_\_
- Other Explain \_\_\_\_\_

\* If the space provided is not sufficient to record all information, please attach additional sheets.

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: \_\_\_\_\_  
 Title: \_\_\_\_\_

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





COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**CSO SUPPLEMENTAL REPORT  
 DETAILED OUTFALL REPORT**

Facility Name: Scranton Sewer Authority Wastewater Treatment Plant  
 Municipality: Scranton City County: Lackawanna  
 Watershed: 5-A

Month: \_\_\_\_\_ Year: \_\_\_\_\_  
 NPDES Permit No.: PA0026492 A-2 Outfall No. \_\_\_\_\_  
 Renewal application due **180 days** prior to expiration  
 This permit will expire on September 30, 2014

Day	Identification*	Discharge Volume (MG)*	Duration (hrs)	Cause*	Precipitation (in)	Comments
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

\*See instructions for explanation.

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: \_\_\_\_\_  
 Title: \_\_\_\_\_

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



COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**CHESAPEAKE BAY SUPPLEMENTAL REPORT  
 NUTRIENT MONITORING**

Facility Name: Scranton Sewer Authority Wastewater Treatment Plant  
 Municipality: Scranton City County: Lackawanna  
 Watershed: 5-A

Month: \_\_\_\_\_ Year: \_\_\_\_\_  
 NPDES Permit No.: PA0026492 A-2 Outfall No.: \_\_\_\_\_  
 Renewal application due **180 days** prior to expiration  
 This permit will expire on September 30, 2014

DAY	FLOW	Total P		NH <sub>3</sub> -N		TKN		NO <sub>2</sub> +NO <sub>3</sub> as N		Total N	
	MGD	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
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17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Avg											
Monthly Total Loads (lbs):											

(Avg result x No. days in month)

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: \_\_\_\_\_  
 Title: \_\_\_\_\_

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





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**CHESAPEAKE BAY SUPPLEMENTAL REPORT  
MONTHLY NITROGEN BUDGET**

Facility Name: Scranton Sewer Authority Wastewater Treatment Plant  
Municipality: Scranton City County: Lackawanna  
Watershed: 5-A  
Total N Credits Purchased During Month: \_\_\_\_\_ lbs  
Total N (TN) Delivery Ratio: 0.733

Month: \_\_\_\_\_ Year: \_\_\_\_\_  
NPDES Permit No.: PA0026492 A-2 Outfall No.: \_\_\_\_\_  
Renewal application due 180 days prior to expiration  
This permit will expire on September 30, 2014

Total Nitrogen – Pounds				
Registry Number	Contract Effective Date	Credits Applied / 0.733 (lbs)*	Credits Sold / 0.733 (lbs)	DEP Approval Date
<b>Monthly Total (lbs):</b>				

Total Nitrogen – Offsets		
Source	Amount (lbs)	DEP Approval Date
<b>Monthly Total (lbs):</b>		

\* Indicate the credits that you wish to apply this month toward compliance with annual load limitations.

Monthly Total Nitrogen Load (lbs): \_\_\_\_\_ (Actual Load Discharged)  
Monthly Net Nitrogen Load (lbs): \_\_\_\_\_ (Actual Load + (Credits Sold / TN Delivery Ratio) – (Credits Applied / TN Delivery Ratio) – Offsets)

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: \_\_\_\_\_  
Title: \_\_\_\_\_

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





COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**CHESAPEAKE BAY SUPPLEMENTAL REPORT  
 MONTHLY PHOSPHORUS BUDGET**

Facility Name: Scranton Sewer Authority Wastewater Treatment Plant  
 Municipality: Scranton City County: Lackawanna  
 Watershed: 5-A  
 Total P Credits Purchased During Month: \_\_\_\_\_ lbs  
 Total P (TP) Delivery Ratio: 0.436

Month: \_\_\_\_\_ Year: \_\_\_\_\_  
 NPDES Permit No.: PA0026492 A-2 Outfall No.: \_\_\_\_\_  
 Renewal application due **180 days** prior to expiration  
 This permit will expire on September 30, 2014

Total Phosphorus - Pounds				
Registry Number	Contract Effective Date	Credits Applied / 0.436 (lbs)*	Credits Sold / 0.436 (lbs)	DEP Approval Date
<b>Monthly Total (lbs):</b>				

Total Phosphorus - Offsets		
Source	Amount (lbs)	DEP Approval Date
<b>Monthly Total (lbs):</b>		

\* Indicate the credits that you wish to apply this month toward compliance with annual load limitations.

Monthly Total Phosphorus Load (lbs): \_\_\_\_\_ (Actual Load Discharged)  
 Monthly Net Phosphorus Load (lbs): \_\_\_\_\_ (Actual Load + (Credits Sold / TP Delivery Ratio) - (Credits Applied / TP Delivery Ratio) - Offsets)

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: \_\_\_\_\_  
 Title: \_\_\_\_\_

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



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**CHESAPEAKE BAY SUPPLEMENTAL REPORT  
ANNUAL NUTRIENT SUMMARY**

Facility Name: Scranton Sewer Authority Wastewater Treatment Plant  
Municipality: Scranton City County: Lackawanna  
Watershed: 5-A  
Total N Credits Purchased During Year: \_\_\_\_\_ lbs  
Total P Credits Purchased During Year: \_\_\_\_\_ lbs

For Compliance Year: 10/1/20 \_\_\_\_\_ to 9/30/20 \_\_\_\_\_  
NPDES Permit No.: PA0026492 A-2 Outfall No.: \_\_\_\_\_  
Renewal application due **180 days** prior to expiration  
This permit will expire on: September 30, 2014  
Delivery Ratios: Total N: 0.733 Total P: 0.436

MONTH	Monthly Total Mass Loads (lbs)		Credits Sold / Delivery Ratios (lbs)		Credits Applied / Delivery Ratios (lbs)		Offsets (lbs)		Monthly Net Mass Loads (lbs)	
	Total N	Total P	Total N	Total P	Total N	Total P	Total N	Total P	Total N	Total P
October										
November										
December										
January										
February										
March										
April										
May										
June										
July										
August										
September										
<b>Totals:</b>										
<b>Truing Period Calculations:</b>	<b>Annual Total Mass Loads (lbs)</b>		<b>Credits Sold / Delivery Ratios (lbs)</b>		<b>Credits Purchased / Delivery Ratios (lbs)</b>				<b>Annual Net Mass Loads (lbs)</b>	
	<b>Truing Period Adjustments (Oct 1 – Nov 28)</b>									

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Prepared By: \_\_\_\_\_  
Title: \_\_\_\_\_

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











## INSTRUCTIONS FOR COMPLETING DISCHARGE MONITORING REPORTS (DMRs)

### General

One or more Discharge Monitoring Reports (DMRs) are attached to your permit for reporting the results of self-monitoring activities as required by your permit. You should make copies of the DMRs for your ongoing use, unless you elect to participate in the Department of Environmental Protection's (DEP's) electronic DMR (eDMR) program (see [www.dep.state.pa.us/edmr](http://www.dep.state.pa.us/edmr)).

- Reporting frequencies will vary depending on the monitoring frequencies listed in your permit, and are generally monthly, quarterly semi-annually and annually.
- Your reports must be received by the Department on the 28<sup>th</sup> day of the month following the end of the reporting period.
- Your permit may require submission of DMRs to other agencies, including the U.S. Environmental Protection Agency (EPA).
- If you receive DMRs in the mail from EPA, please discontinue use of DMR Form No. 3800-FM-WSFR0462 and begin using EPA's DMRs.
- DMRs will generally include pre-populated information for permittee name and address, facility location, permit number, outfall number, permit expiration date, parameter names, and permit requirements. If you identify any errors on a DMR issued by DEP, please contact the DEP regional office that issued your permit. If you identify any errors on a DMR issued by EPA, please contact DEP's Central Office at 717-787-6744. **DO NOT make changes to DMRs issued to you.**
- You may use computer-generated replicas of Form No. 3800-FM-WSFR0462 or of EPA's DMR if you receive prior approval from DEP and EPA. **DEP reserves the right to instruct you to discontinue the submission of computer-generated DMRs if the permit requirements you entered on the form are inaccurate.**

### Instructions

1. Enter statistical results into each blank field below the "VALUE" column headers. Results must be reported in the same units shown on the DMR.
2. Sum the total number of excursions or exceedances of permit limits across the row for each parameter and enter the value into the "NO. EX" field. For example, if the permit contains limits of 6.0 S.U. (Minimum) and 9.0 S.U. (Maximum) for pH, and the Minimum and Maximum results are 5.9 S.U. and 9.1 S.U., respectively, enter "2" into the "NO. EX" field.
3. Report the actual sampling frequency and sample type utilized during the reporting period in the fields corresponding to "Frequency of Analysis" and "Sample Type", respectively.
4. Type the name of the principal executive officer (or an authorized agent designated by a principal executive officer) who is taking responsibility for the report, sign the report (should be in ink), enter the telephone number of the responsible individual, and record the date that the report was signed. Mail only original, signed copies of DMRs.
5. In the Comments section at the bottom of the DMR, you may write a brief summary of violations in this section; however, DEP requests that all violations during the monitoring period be reported in more detail on DEP's **Non-Compliance Reporting Form** (3800-FM-WSFR0440) and be submitted as an attachment to the DMR. Other uses of the Comments Section include explanations of attachments to the DMR, explanations for the unavailability of data, and brief summaries of issues that have affected operations or effluent quality during the monitoring period. Always consider attaching a letter or separate document to explain your situation in more detail.

**No Discharge or No Data Available**

If there was no discharge at all from an outfall during the monitoring period, check the "No Discharge" box on the top of the DMR. Complete the information above and below the table and mail the DMR to the appropriate agencies. Be sure to sign and date the DMR.

If there was no discharge of a specific parameter (e.g., if a chlorine limit is in the permit but chlorine was not used for disinfection during the entire reporting period), or if data are not available for a specific parameter for the entire reporting period, do not leave the DMR blank. Instead, report one of the following No Data Indicator (NODI) codes that apply to your situation in the appropriate value field, and **provide an explanation as an attachment to the DMR:**

- A** Use if you are exempted from monitoring the parameter because of a General Permit condition.
- E** Use if all samples or results are not available for the reporting period due to equipment failure or because sample collection was overlooked or samples could not be collected for the parameter.
- GG** Use if your permit requires sample collection and analysis only under certain conditions and those conditions were not met during the reporting period (e.g., report chlorine results only when chlorination system is used).
- FF** Other: use if there is any reason for the absence of data that is not covered by those above.

If you have at least one result for a parameter, the value should be reported and not a NODI code.

**Calculations**

The following explains how to calculate statistical values that are commonly required by permits:

**Monthly Average** – For Loading (lbs/day), sum the total of daily loadings and divide by the number of samples during the month. To calculate the daily loading, multiply the daily concentration (mg/l) by the flow (MGD) on the date of sampling and a conversion factor of 8.34. For Concentration, sum the total of daily concentrations and divide by the number of samples.

**Weekly Average** – For Loading (lbs/day), sum the total of average daily loadings during each week of the reporting period (beginning on a Sunday and ending on a Saturday) and divide by the number of samples during the week. For Concentration, sum the total of daily concentrations each week and divide by the number of samples. Report the maximum weekly average on the DMR.

**Maximum Daily ("Daily Max")** – Report the maximum concentration or load measured during a 24-hour period during the reporting period; if multiple measurements are taken daily, include all data in the analysis.

**Instantaneous Maximum ("IMAX")** – Report the maximum result obtained by a grab sample for a specific pollutant over the entire reporting period covered by a DMR.

**Instantaneous Minimum ("Minimum")** – Report the minimum result obtained by a grab sample for a specific pollutant over the entire reporting period covered by a DMR.

**Total Monthly Load (lbs)** – Sum the total of average daily loadings, divide by the number of samples during the month, and multiply by the number of days in the month.

**Geometric Mean** – Report the average of a set of  $n$  sample results given by the  $n$ th root of their product. If any result is zero (0), substitute 1 for the calculation. For example, five samples were analyzed with the following results: 20, 300, 400, 500, and 0. The calculation of geometric mean is as follows (note that you will need to use the power function on a calculator):

$$\sqrt[5]{20 \cdot 300 \cdot 400 \cdot 500 \cdot 1} = \sqrt[5]{1,200,000,000} = (1,200,000,000)^{1/5} = 65$$

## Non-Detect Data

### Conventional and Toxic Parameters

For calculating average values of data sets in which there are some "detections" (results at or above the laboratory reporting limit) and some "non-detect" data (results reported below the laboratory reporting limit), use the reporting limit for non-detect data. In other words, ignore the less than (<) symbol for statistical calculations and include the < symbol with the statistical result if there is at least one non-detect result in the data set. For example, four samples were analyzed with the following results: < 1.0, 2.0, < 1.0, and 1.0. The average statistical result is < 1.3.

Where the permit includes an effluent limitation for a parameter that is less than the most sensitive detection limit available, and the laboratory reports a value at or below the lowest level specified by the permit, you may use zero (0) in the calculation in lieu of the reporting limit, if the parameter is identified in 25 Pa. Code Chapter 16, Appendix A, Tables 2A and 2B. In general, parameters with limitations that are less than the most sensitive detection limit will be identified in Part C of the permit, if applicable.

### Bacteria Parameters

Report all "non-detect" (e.g., <2) and "too numerous to count" (TNTC) (e.g., >2,000) results on DMR supplemental forms as reported by the laboratory. Do not report "TNTC" on supplemental forms, but instead report a value qualified with the ">" symbol. Where a data set includes one or more "non-detect" and/or TNTC results, calculate the geometric mean by ignoring qualifying symbols, but report the value with the symbol. If a data set includes both ">" and "<" qualifiers, the ">" qualifier takes precedence for reporting. For all "non-detect" values, specify in the Comments section of the DMR the maximum volume filtered at the laboratory.

*Example 1* – For results are determined, < 2, 10, 20, and 30. The geometric mean should be reported as  $(2 \cdot 10 \cdot 20 \cdot 30)^{0.25} = < 10$ . Specify the maximum volume filtered for the < 2 result in the DMR Comments.

*Example 2* – Three results are determined, < 2, 1,000, and > 2,000. The geometric mean should be reported as  $(2 \cdot 1,000 \cdot 2,000)^{0.333} = > 158$ .

### Rounding and Precision

Statistical values reported on the DMR should be rounded to the same number of decimal places as the limit for the parameter as set forth in the permit. If the permit does not contain a limit but requests monitoring only, statistical values for concentration results should be rounded to the maximum number of decimal places in the data set as reported by the laboratory or the instrument used for analysis. If mass loads must be reported and there is no limit, round statistical values to the nearest whole number, unless the calculated number is less than one, in which case the value should be rounded to one significant figure (e.g., 0.1, 0.05, etc.). If the number you are rounding is followed by 5, 6, 7, 8, or 9, round the number up, otherwise round down.

**The documents "Discharge Monitoring Reports Overview and Summary" (3800-BK-DEP3047) and "Management of Non-Detect Results for Discharge Monitoring Reports" (3800-FS-DEP4262) contain more information and are incorporated by reference. These documents are available on DEP's website.**



## INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

### DAILY EFFLUENT MONITORING REPORT

Use this form to report daily monitoring results for the parameters that must be monitored in effluent for compliance with the permit. Results for influent parameters should be reported on Form 3800-FM-WSFR0436.

1. Enter Facility Name, Municipality, County, Watershed No., Laboratories, Month, Year, NPDES Permit No., Outfall No., and Permit Expiration Date (it is noted that this information may be pre-populated if you have received this form with your permit). For Laboratories, list the names of all laboratories where samples were analyzed during the month, including on-site analysis.
2. In the column headers, below "Effluent Parameters," enter the names of parameters in the permit. Since limited space is provided, abbreviation may be necessary. If there are more parameters for an outfall than columns provided on the form, attach an additional sheet.
3. Below parameter names, and to the right of "Q" (Qualifier) column headers, enter the units associated each parameter (it is noted that this information may be pre-populated if you have received this form with your permit).
4. Enter monitoring results for parameters in the rows corresponding to the day of the month in which samples were collected. Enter results exactly as reported by the laboratory, or if measured with on-site equipment, to the level of precision recommended by the equipment manufacturer. Enter data qualifiers such as "<," ">," "J," and others in the "Q" column.
5. Calculate and report average values at the bottom of the table in accordance with the DMR Instructions (3800-FM-WSFR0463). Note -- for bacteria, calculate and report the geometric mean value.
6. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.

### INFLUENT AND PROCESS CONTROL REPORT

1. Enter Facility Name, Municipality, County, Watershed No., Month, Year, NPDES Permit No., and Permit Expiration Date.
2. For **Influent**, enter daily average Influent Flow (MGD) (if an influent flow meter is in use), daily influent BOD<sub>5</sub> or CBOD<sub>5</sub> concentrations (mg/l) and loads (lbs), and daily influent TSS concentrations (mg/l) and loads (lbs). If an influent flow meter is not in use, you may use results from an effluent flow meter.
3. For **Process Control**, enter daily average Mixed Liquor Suspended Solids (MLSS) (mg/l) and daily average Aeration Dissolved Oxygen (DO) for aerobic biological treatment systems, and total daily Sludge Wasted (removed from biological treatment), in gallons, for all treatment system types. If a parameter does not apply to your facility, leave the column blank. Information for other parameters such as Return Activated Sludge (RAS) Rate, Recirculation Rate (for fixed media treatment systems), Sludge Blanket Thickness, Sludge Volume Index, and others may be requested by the DEP office that issued the permit.
4. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.

### HAULED IN MUNICIPAL WASTES REPORT

This form is intended for documenting the receipt of municipal wastes including sewage sludge, septage and other wastewaters hauled in from other facilities for processing and/or disposal at your facility. This form should not be used for reporting receipt of residual wastes (e.g., food processing wastes, oil and gas wastewater, landfill leachate, etc.) - please use Form 3800-FM-WSFR0450 for reporting this information.





## INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

1. Enter Facility Name, Municipality, County, Watershed No., Month, Year, NPDES Permit No., and Permit Expiration Date.
2. For septage, biosolids and other wastewaters (specify type in the space provided), record the daily volume received in gallons, the daily BOD<sub>5</sub> concentration (average), the daily BOD<sub>5</sub> load in lbs (average), and the disposal location. For disposal location, specify the plant location or tank receiving hauled in wastes (e.g., headworks, primarily clarifier, digester, etc.).
3. Determine daily BOD<sub>5</sub> concentrations in mg/l by sampling loads in accordance with the permit or otherwise as determined by the facility. Periodic sampling of loads is encouraged to improve confidence in reported results.
4. Calculate the average, daily total and monthly total values and report the values in the spaces provided.
5. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.

### **BIOSOLIDS PRODUCTION AND DISPOSAL FORM**

1. Enter Facility Name, Municipality, County, Watershed No., Month, Year, NPDES Permit No., and Permit Expiration Date.

#### Biosolids Production Information

2. For each off-site removal event for liquid sewage sludge or biosolids and for dewatered sewage sludge or biosolids, and for each event where dewatered sewage sludge or biosolids are incinerated on-site, list the date of the event, identify the gallons (liquid) or tons (dewatered) removed or incinerated and the percent solids (e.g., 10%, 20%, etc.) Report only sewage sludge or biosolids that have been removed from the plant digesters and other solids which have been **permanently** removed from the treatment process. Do **not** include sewage sludge or biosolids from other facilities that are processed at your facility. (If there were no off-site removal events during the month, check the box above the table).

Calculate dry tons for liquid sewage sludge or biosolids by multiplying the volume (gallons) by the percent solids and by a conversion factor of 0.0000417. For example, if 2,500 gallons of liquid biosolids is removed, and the percent solids is 3.0%, dry tons is calculated as:

$$2,500 \text{ gallons} \times 3.0\% \times 0.0000417 = 0.31 \text{ dry tons}$$

Calculate dry tons for dewatered sewage sludge or biosolids by multiplying the tons dewatered by the percent solids and by a conversion factor of 0.01. For example, if 5 tons of dewatered biosolids is removed, and the percent solids is 50%, dry tons is calculated as:

$$5 \text{ tons} \times 50\% \times 0.01 = 2.5 \text{ dry tons}$$

The % Solids of liquid or dewatered sewage sludge or biosolids must be determined periodically through laboratory testing. Do not estimate or guess this value. An acceptable test method is method 2540B in *Standard Methods for the Examination of Water and Wastewater*, 18th edition, where samples are dried at 103-105°C. Other references such as ASTM may have equivalent tests which are also acceptable.

#### Biosolids and Incinerator Ash Disposal and Beneficial Use Information

3. Report sewage sludge, biosolids, and ash disposal and beneficial use information by disposal/application site. There are columns for four possible sites per month - if more sites are needed, attach additional pages. For each Site Name, listed at the top of the column, enter the Municipality and County of the site, the DEP Permit No. (i.e., Biosolids



## INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

permit number for land application, landfill waste management permit number, etc.), Type of Material (sewage sludge, biosolids, or incinerator ash), Dry Tons Applied/Disposed at the site for the month, Type of Disposal/Use (e.g., reed beds, agricultural utilization, composting, landfill, other treatment plant, etc.) and the name of the hauler (company or individual name).

4. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.

### **NON-COMPLIANCE REPORTING FORM**

Use this supplemental form to report all permit violations and any other non-compliance that may endanger health or the environment, in accordance with your permit. Complete all sections that apply. If you are reporting violations of permit limits, monitoring requirements or schedules that do not pose an immediate threat to health or the environment, you may attach this form to the Discharge Monitoring Report (DMR). If you are reporting other non-compliance events, and the deadline for a written report (e.g., 5 days) does not coincide with your submission of the DMR, this form should be submitted separately to the Department by the reporting deadline set forth in the permit.

**If you are unsure of whether an incident constitutes non-compliance that may endanger health or the environment, it is recommended that you notify the Department verbally as soon as possible after you become aware of the incident. Title 25, Pa. Code §§ 91.33 and 91.34 (regarding incidents causing or threatening pollution and activities utilizing pollutants, respectively), in part requires immediate notification by telephone to the Department of pollution incidents, remediation, and may require an additional report on the incident or plan of pollution prevention measures.**

#### Instructions:

1. Enter the name of the facility, the municipality and county where it is located, the month and year when violations occurred, and the NPDES or WQM permit number for the facility.
2. If there were violations of permit effluent limitations during the month, check the box next to "Violations of Permit Effluent Limitations." (Note – if using the electronic version of this form, check the boxes first, and then select Tools – Unprotect Document to enter additional information). Enter the date of the violation (if a violation of a minimum or maximum limit, the date of sample collection, or if a violation of an average limit, the end of the monitoring period), the parameter name, the permit limit and units, the statistical code (e.g., "MIN", "MAX", "MO AVG", etc.), the measured result and units, the cause of the violation and the corrective action taken. **If there are more than two violations during the monitoring period and/or if the space provided is insufficient to explain the cause or corrective action, please attach additional pages.**
3. If there are Sanitary Sewer Overflow (SSO) discharges or other unauthorized discharges from the facility (e.g., spills, leaks, etc.) that enter or have the potential to enter waters of the Commonwealth, including groundwater, notify DEP by phone as soon as possible, and document the discharge on this form by checking the box next to "Sanitary Sewer Overflows and Other Unauthorized Discharges." Record the event (discharge) date, the substance discharged (e.g., sewage, on-site chemicals, etc.), the location where the discharge occurred (e.g., manhole number, pump station name, equipment description, etc.), the volume discharged (gallons), the approximate duration of the discharge (hours), the receiving waters (name of stream or groundwater), the impact on the receiving waters, if observed (e.g., solids deposition, foam, fish kill, etc.), the cause of the discharge, and the date on which the Department was verbally notified. **If there are more than two discharge events during the monitoring period and/or if the space provided is insufficient to explain the discharge, please attach additional pages.**
4. If there are other violations of the permit, check the box next to "Other Permit Violations," and check the appropriate box that describes the violation type. If not identified on the form, check the box next to "Other" and provide a written explanation. **If the space provided is insufficient to explain the violation, please attach additional pages.**
5. Type your name and title and sign and date the form after reading the certification statement.



## INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

If you have questions about completing this form, contact the Water Management Operations Section of the Department in your region:

Southeast Region – (484) 250-5970  
Northeast Region – (570) 826-2553  
Southcentral Region – (717) 705-4707

Northcentral Region – (570) 327-3661  
Southwest Region – (412) 442-4000  
Northwest Region – (814) 332-6942

### CSO MONTHLY INSPECTION REPORT

1. Enter Facility Name, Municipality, County, Watershed No., Month, Year, NPDES Permit No., and Permit Expiration Date.
2. List all CSO outfalls associated with the facility, as listed in the NPDES permit, in the column labeled "CSO Outfall No.," using additional sheets as needed.
3. Specify the location of the CSO (e.g., street or other identification information) in the column labeled "Outfall Location."
4. In the column labeled "Discharge?" enter "Yes" or "No" for each outfall to report whether a discharge was identified at any time during the calendar month. **If you respond Yes for any outfall, a separate "Detailed Outfall Report" must be submitted for that outfall.**
5. Add any additional outfall-specific information as needed in the "Comments" column.
6. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.

### CSO DETAILED OUTFALL REPORT

1. Enter Facility Name, Municipality, County, Watershed No., Month, Year, NPDES Permit No., CSO Outfall No., and Permit Expiration Date.
2. Explain how the discharge was identified (e.g., inspection, complaint, alarm) in the column labeled "Identification."
3. In the column labeled "Discharge Volume," specify the volume of the discharge in million gallons, and (in parentheses) identify the method used to determine the volume by selecting one of the following codes:  
O = Observed duration and rate of flow to approximate overflow volume.  
C = Calculated overflow volume utilizing a model or empirical analysis.  
M = Measured overflow volume from data collected by a calibrated flow monitor.  
U = Unable to determine.
4. In the column labeled "Duration (hrs)," specify the total discharge period. If you estimate the discharge period, explain how you arrived at the estimate in the Comments column.
5. In the column labeled "Cause," identify the cause of the overflow (e.g., line or gate blockage, malfunction, hydraulic load).
6. In the column labeled "Precipitation," report the total precipitation for the day as measured using an on-site rain gauge, or use local airport data.
7. Add any additional outfall-specific information as needed in the "Comments" column.
8. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.



## INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

### NUTRIENT MONITORING REPORT

Use this form to report daily monitoring results and monthly calculations for Total Phosphorus and the Nitrogen series, where such monitoring is required by the permit.

1. Enter Facility Name, Municipality, County, Watershed No., Month, Year, NPDES Permit No., Outfall No., and Permit Expiration Date.
2. Enter daily monitoring data for Flow (MGD) and Nutrient parameter concentrations (mg/l) and loading (lbs/day). Concentrations for Total Nitrogen are computed by summing the concentrations for TKN and  $\text{NO}_2 + \text{NO}_3$  as N. Calculate loading by multiplying Flow by concentration and by the conversion factor 8.34. If no monitoring data are available for the day, leave the row blank. If you receive a "non-detect" (i.e., < "reporting limit") result, enter the result as reported by the laboratory, but use one-half the reporting limit for calculating the loading (lbs/day).
3. At the bottom of the table, calculate average monthly concentrations, loadings and total monthly loads.
4. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.

### NITROGEN AND PHOSPHORUS NUTRIENT BUDGET REPORTS

Use these forms to report Nitrogen and Phosphorus credit transactions and offsets applied during a month, and monthly Nitrogen and Phosphorus loads. **If no credits are sold or applied and there are no offsets to report for a month, these forms should not be submitted.**

1. Enter Facility Name, Municipality, County, Watershed No., Month, Year, NPDES Permit No., Outfall No., the number of Nitrogen and Phosphorus credits purchased during the month (lbs), Total Nitrogen (TN) and Total Phosphorus (TP) Delivery Ratios for the facility, and Permit Expiration Date. (If you receive this form with your permit, this information should be pre-populated).
2. Use the tables "Total Nitrogen - Pounds" and "Total Phosphorus - Pounds" to report all credits that you wish to apply for permit compliance and all credits sold. You do not need to apply credits that you purchased during the month toward permit compliance, but if you choose to do so, report the number you wish to apply in this table. Any remaining credits that you purchase can be applied another month or during the Truing Period (Oct 1 - Nov 28). List the registry number, contract effective date and DEP approval date for all credits applied or sold during the month. Divide the Credits Applied and Credits Sold by the TN and TP Delivery Ratios for your facility.
3. Use the tables "Total Nitrogen - Offsets" and "Total Phosphorus - Offsets" to report all offsets for the month. For septage (only septage, not holding tank or other hauled in wastes), divide the total gallons of septage received by 1,000 and multiply by 3 to determine the total amount (lbs) of offsets to report in the Total Nitrogen - Offsets table. For all other offsets, list the source, approved amount and DEP approval date.
4. Report the Monthly Total and Monthly Net Nitrogen Loads (lbs) and Monthly Total and Monthly Net Phosphorus Loads (lbs) below the respective tables.
5. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.





## INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

### ANNUAL NUTRIENT SUMMARY REPORT

Use this form to document annual loads where the permit requires monitoring and reporting of annual loads for Total Phosphorus and Total Nitrogen.

1. Enter Facility Name, Municipality, County, Watershed No., Compliance Year (e.g., 10/1/09 to 9/30/10), NPDES Permit No., Outfall No., the Total Nitrogen (TN) and Total Phosphorus (TP) credits purchased during the year, the Delivery Ratios for the facility for TN and TP, and Permit Expiration Date. (If you receive this form with your permit, this information should be pre-populated).
2. For each month, enter the Monthly Total Mass Loads (Actual Loads Discharged), Credits Sold / Delivery Ratios for TN and TP, Credits Applied / Delivery Ratios for TN and TP, Offsets, and Monthly Net Mass Loads, as reported on Monthly Nitrogen and Phosphorus Budget worksheets submitted throughout the year. Credits Sold / Delivery Ratios and Credits Applied / Delivery Ratios recorded in the table for TN and TP should match the values recorded on the Monthly Nitrogen Budget and Monthly Phosphorus Budget Forms (3800-FM-WSFR0445 and 3800-FM-WSFR0446, respectively).
3. If there were credits sold or purchased during the Truing Period (Oct 1 - Nov 28), divide the amount of credits sold or purchased by the Delivery Ratios for the facility and report these values in the columns next to "Truing Period Adjustments." Complete Nitrogen and Phosphorus Budget worksheets to report the registry numbers, contract effective dates, amounts, and DEP approval dates for all credits purchased or sold during the Truing Period, and include these forms with your submission. The Annual Net Mass Loads are to be used for permit compliance (if a limit is in your permit).
4. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NORTHEAST REGIONAL OFFICE

February 29, 2012

**CERTIFIED MAIL NO. 7011 1570 0001 0001 2800**

Scranton City Sewer Authority  
312 Adams Avenue  
Scranton, PA 18503

Attention: Mr. Eugene Barrett, Executive Director

Dear Mr. Barrett:

Enclosed please find the Air Quality Program Permit No. NM 35-00042.

I suggest that you carefully read your permit and any special conditions accompanying it, to assure all of these conditions are satisfied.

By copy of this letter, we are informing the City of Scranton, Lackawanna County, of the issuance of your permit.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in Braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

**IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.**

**IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW UP TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, APPLY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.**

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2 Public Square | Wilkes-Barre, PA 18701-1915

fax 570.826.2357

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[www.depweb.state.pa.us](http://www.depweb.state.pa.us)

If the Department can be of further assistance, please contact Norman Frederick, Air Quality Program, at 570-826-2409.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mark J. Wejksznr', with a stylized flourish at the end.

Mark J. Wejksznr, P.E.  
Program Manager  
Air Quality Program

Enclosures

cc: Lackawanna County  
City of Scranton



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: February 28, 2012

Effective Date: February 28, 2012

Expiration Date: February 28, 2017

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 35-00042

Federal Tax Id - Plant Code: 23-1697624-1

Owner Information

Name: SCRANTON CITY SEW AUTH LACKAWANNA CNTY  
Mailing Address: 312 ADAMS AVE  
SCRANTON, PA 18503-1604

Plant Information

Plant: SCRANTON SEW AUTH/SCRANTON STP  
Location: 35 Lackawanna County 35001 Scranton City  
SIC Code: 4952 Trans. & Utilities - Sewerage Systems

Responsible Official

Name: EUGENE BARRETT  
Title: EXECUTIVE DIRECTOR  
Phone: (570) 348 - 5334

Permit Contact Person

Name: EUGENE BARRETT  
Title: EXECUTIVE DIRECTOR  
Phone: (570) 348 - 5334

[Signature]

MARK J. WEJKSZNER, NORTHEAST REGION AIR PROGRAM MANAGER



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Note: These same sub-sections are repeated for each source!

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**SECTION A. Table of Contents**

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**Section G. Emission Restriction Summary****Section H. Miscellaneous**



**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	SLUDGE TANK , 2 FILTER PRESSES		
C03	WET SCRUBBER		
S03	SLUDGE TANK STACK		

**PERMIT MAPS**



**SECTION B. General State Only Requirements****#001 [25 Pa. Code § 121.1]****Definitions.**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and in 25 Pa. Code § 121.1.

**#002 [25 Pa. Code § 127.446]****Operating Permit Duration.**

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

**#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)&(c)]****Permit Renewal.**

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
  - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

**#004 [25 Pa. Code § 127.703]****Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
  - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,



**SECTION B. General State Only Requirements**

modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

**#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]****Transfer of Operating Permits.**

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

**#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]****Inspection and Entry.**

(a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

**#007 [25 Pa. Code §§ 127.441 & 127.444]****Compliance Requirements.**

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes

**SECTION B. General State Only Requirements**

a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

**#008 [25 Pa. Code § 127.441]****Need to Halt or Reduce Activity Not a Defense.**

It shall not be a defense for the permittee in an enforcement action that it was necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

**#009 [25 Pa. Code §§ 127.442(a) & 127.461]****Duty to Provide Information.**

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

**#010 [25 Pa. Code § 127.461]****Revising an Operating Permit for Cause.**

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

**#011 [25 Pa. Code §§ 127.450 & 127.462]****Operating Permit Modifications**

- (a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

**SECTION B. General State Only Requirements**

significant operating permit modifications, under this permit, as outlined below:

(b) **Administrative Amendments.** The permittee shall make administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) **Minor Operating Permit Modifications.** The permittee shall make minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

**#012 [25 Pa. Code § 127.441]****Severability Clause.**

The provisions of this permit are severable, and if any provision of this permit is determined by a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

**#013 [25 Pa. Code § 127.449]****De Minimis Emission Increases.**

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

(b) The Department may disapprove or condition de minimis emission increases at any time.

(c) Except as provided below in (d), the permittee is authorized to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

**SECTION B. General State Only Requirements**

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
  - (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
  - (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
  - (4) Space heaters which heat by direct heat transfer.
  - (5) Laboratory equipment used exclusively for chemical or physical analysis.
  - (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:
- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.
  - (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.
  - (3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.
- (g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.
- (h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

**#014 [25 Pa. Code § 127.3]****Operational Flexibility.**

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)



**SECTION B. General State Only Requirements**

(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

**#015 [25 Pa. Code § 127.11]****Reactivation**

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

**#016 [25 Pa. Code § 127.36]****Health Risk-based Emission Standards and Operating Practice Requirements.**

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

**#017 [25 Pa. Code § 121.9]****Circumvention.**

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

**#018 [25 Pa. Code §§ 127.402(d) & 127.442]****Reporting Requirements.**

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager  
PA Department of Environmental Protection  
(At the address given in the permit transmittal letter, or otherwise notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

**SECTION B. General State Only Requirements**

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

**#019 [25 Pa. Code §§ 127.441(c) & 135.5]****Sampling, Testing and Monitoring Procedures.**

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

**#020 [25 Pa. Code §§ 127.441(c) and 135.5]****Recordkeeping.**

(a) The permittee shall maintain and make available, upon request by the Department, the following records of monitored information:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of any required monitoring data and supporting information for at least five (5) years from the date of the monitoring, sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

**#021 [25 Pa. Code § 127.441(a)]****Property Rights.**

This permit does not convey any property rights of any sort, or any exclusive privileges.

**#022 [25 Pa. Code § 127.447]****Alternative Operating Scenarios.**

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

No person may permit the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (a) The emissions are of minor significance with respect to causing air pollution.
  - (b) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

**# 002 [25 Pa. Code §123.2]****Fugitive particulate matter**

No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Section C, Condition #001 if the emissions are visible at the point the emissions pass outside the person's property.

**# 003 [25 Pa. Code §123.31]****Limitations**

A person may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

**# 004 [25 Pa. Code §123.41]****Limitations**

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.
- (2) Equal to or greater than 60% at any time.

**# 005 [25 Pa. Code §123.42]****Exceptions**

The emission limitations of 25 Pa. Code Section 123.41 shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations;
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
- (3) The emission results from sources specified in 25 Pa. Code Section 123.1(a)(1)-(9).



**SECTION C. Site Level Requirements****II. TESTING REQUIREMENTS.****# 006 [25 Pa. Code §139.1]****Sampling facilities.**

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

**# 007 [25 Pa. Code §139.11]****General requirements.**

(a) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(b) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, as a minimum, all of the following:

- (1) A thorough source description, including a description of any air cleaning devices and the flue.
- (2) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature and other conditions which may effect emissions from the process.
- (3) The location of sampling ports.
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage of CO, CO<sub>2</sub>, O<sub>2</sub> and N<sub>2</sub>), static and barometric pressures.
- (5) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (6) Laboratory procedures and results.
- (7) Calculated results.

**III. MONITORING REQUIREMENTS.****# 008 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (1) A device approved by the Department and maintained to provide accurate opacity measurements.
- (2) Observers, trained and qualified, to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall conduct a weekly inspection around the plant periphery during daylight hours when the plant is in production. Weekly inspections are necessary to determine:

- (1) the presence of visible emissions,
- (2) the presence of fugitive visible emissions,

(b) The permittee shall conduct a daily inspection for malodors around the plant periphery, scrubber and off site during daylight hours when the plant is in production.



**SECTION C. Site Level Requirements**

(c) All detected visible emissions, visible fugitive emissions or malodors that have the potential to exceed applicable limits shall be reported to the manager of the facility.

**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Visible emissions may be measured according to the methods specified in 25 Pa. Code Section 123.43, or alternatively, plant personnel who observe any visible emissions will report the incident of visible emissions to the Department within four hours of each incident and make arrangements for a certified observer to verify the opacity of the visible emissions.

**IV. RECORDKEEPING REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall keep a logbook of weekly facility inspections performed. The logbook shall include the name of the company representative performing the inspection, the date and time of inspections, any instances of exceedances of visible emissions limitations and visible fugitive emissions limitations, and the name of the manager informed if a potential exceedance is observed. The permittee shall also record any and all corrective action(s) taken to abate each recorded deviation to prevent future occurrences.

(b) The permittee shall keep a logbook of daily facility malodor inspections performed. The logbook shall include the name of the company representative performing the inspection, the date and time of inspections, any instances of exceedances of malodor emissions limitations and the name of the manager informed if a potential exceedance is observed. The permittee shall also record any and all corrective action(s) taken to abate each recorded deviation to prevent future occurrences.

(c) These records shall be kept for a five (5) year period and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The company, within one hour of occurrence, shall notify the Department, at 570-826-2511, of any malfunction, recordkeeping and reporting errors, or other possible non-compliance issues, which result in, or may possibly be resulting in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulations contained in Article III of the Rules and Regulations of the Department of Environmental Protection. A written report shall be submitted to the Department within five working days following the incident describing the malfunction, recordkeeping, and reporting error or other non-compliance issue and the corrective actions being taken. The Department may take enforcement action for any violations of the applicable standards.

**# 013 [25 Pa. Code §135.4]****Report format**

Source reports shall contain sufficient information to enable the Department to complete its emission inventory. Source reports shall be made by the source owner or operator in a format specified by the Department.

**VI. WORK PRACTICE REQUIREMENTS.****# 014 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

For any source specified in Section C, Condition #001, the permittee shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

(1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land.

(2) Application of asphalt, oil, or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(3) Paving and maintenance of roadways.

**SECTION C. Site Level Requirements**

(4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

**VII. ADDITIONAL REQUIREMENTS.**

**# 015 [25 Pa. Code §121.7]**

**Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the act.

**# 016 [25 Pa. Code §129.14]**

**Open burning operations**

(a) Air basins. No person may permit the open burning of material in an air basin.

(b) Exceptions: The requirements of subsection (a) do not apply where the open burning operations result from:

(1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.

(2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(3) A fire set for the prevention and control of disease or pests, when approved by the Department.

(4) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.

(5) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of such structure.

(6) A fire set solely for recreational or ceremonial purposes.

(7) A fire set solely for cooking food.

(c) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

(1) As used in this subsection the following terms shall have the following meanings:

**Air curtain destructor** -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

**Clearing and grubbing wastes** -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) Subsection (a) notwithstanding, clearing and grubbing wastes may be burned in a basin subject to the following requirements:

(i) Air curtain destructors shall be used when burning clearing and grubbing wastes.

(ii) Each proposed use of air curtain destructors shall be reviewed and approved by the Department in writing with respect to equipment arrangement, design and existing environmental conditions prior to commencement of burning. Proposals approved under this subparagraph need not obtain plan approval or operating permits under Chapter 127 (relating to construction modification, reactivation and operation of sources).

(iii) Approval for use of an air curtain destructor at one site may be granted for a specified period not to exceed 3 months, but may be extended for additional limited periods upon further approval by the Department.

**SECTION C. Site Level Requirements**

(iv) The Department reserves the right to rescind approval granted if a determination by the Department indicates that an air pollution problem exists.

(3) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

**VIII. COMPLIANCE CERTIFICATION.**

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to State Only General Requirements).

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: SLUDGE TANK , 2 FILTER PRESSES

Source Capacity/Throughput:

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**IV. RECORDKEEPING REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall record the following parameters for the wet scrubber (C03) on a daily basis: chlorine level, water flow rate, pressure drop, pH and ORP data .

(b) These records shall be kept for a five (5) year minimum period and be made available to the Department upon request.

**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall keep monthly records of maintenance and cleaning of the wet scrubber (C03).

(b) These records shall be kept for a five (5) year period and be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

To ensure compliance with Site Level Condition #003 the wet scrubber (C03) shall be in operation at all times.

**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Equipment shall be provided so that at the request of the Department, the following can be measured:

(a) pressure drop across the wet scrubber (C03), utilizing a differential manometer, or equivalent.

(b) scrubbing solution flow rate to the wet scrubber (C03), utilizing a rotometer, or equivalent.



**SECTION D. Source Level Requirements****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the Best Available Technology provisions of 127.1 and 127.12 of Chapter 127 of Article III of the Rules and Regulations of the Department of Environmental Protection, the wet scrubber (C03) shall utilize a 1375 parts per million chlorine solution as a scrubbing medium at a flow rate of not less than 230 gallons per minute. Additionally, sodium hydroxide shall be used to maintain an acceptable scrubbing solution pH.

**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The wet scrubber (C03) shall be cleaned and maintained in accordance with manufacturer specifications.

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).



**SECTION E. Source Group Restrictions.**



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.



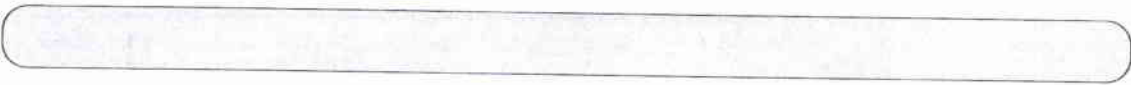
**SECTION G. Emission Restriction Summary.**

**No emission restrictions listed in this section of the permit.**



**SECTION H. Miscellaneous.**

- 1) The operating permit application for the facility was received by the Department on 10/11/2011. Therefore, the annual administrative fee for this facility is \$375.00.
- 2) The facility operated under operating permit NM-35-00042 before issuance of this permit.
- 3) This is a Natural Minor operating permit facility.
- 4) As part of the 10/11/2011 operating permit renewal, the facility requested the removal of the carbon absorption unit from the operating permit. The unit will remain disconnected from the source but will remain on-site. The facility shall not operate the unit unless the installation, activation, and operation of the control device is first permitted by the Department.



\*\*\*\*\* End of Report \*\*\*\*\*



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

**CERTIFIED MAIL NO. 7013 1090 0000 8769 0937**

August 11, 2015

Eugene Barrett  
Scranton City Sewer Authority  
312 Adams Avenue  
Scranton, PA 18503

Re: WQM Permit - Sewage  
Scranton Sewer Authority  
Leggetts Street CSO #72  
Permit No. WQG02581501  
Authorization ID No. 1080309  
Scranton City, Lackawanna County

Dear Mr. Barrett:

Your Water Quality Management (WQM) permit is enclosed. You must comply with all Standard and Special Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Please note that you are responsible for securing all other required permits, approvals and/or registrations associated with the project, if applicable, under Chapters 102 (erosion and sedimentation control), 105 (stream obstructions and encroachments) and 106 (floodplains) of DEP's regulations. Construction may not proceed until all other required permits have been obtained.

Enclosed is the "Water Quality Management Post Construction Certification" form. A Pennsylvania-registered Professional Engineer must sign and complete this form prior to startup of the facilities. You or your authorized representative must also sign the form. This certification and other post-construction documentation must be submitted to DEP within 30 days of completion of the project and must be received by DEP prior to commencing operation of the facilities.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717.787.3483. TDD

Mr. Eugene Barrett

- 2 -

users may contact the Board through the Pennsylvania Relay Service, 800.654.5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717.787.3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717.787.3483) FOR MORE INFORMATION.

During construction or upon completing construction, please contact Bernard Feist, P.E. at 570.830.3088 or [bfeist@pa.gov](mailto:bfeist@pa.gov) so that an inspection of the facilities may be conducted, at DEP's discretion.

Sincerely,



Michael D. Bedrin  
Northeast Regional Director

Enclosures

cc:

Cardno BCM

Monitoring & Compliance Section

File



Permit



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**WQG-02**  
**WATER QUALITY MANAGEMENT**  
**GENERAL PERMIT FOR SEWER EXTENSIONS AND PUMP STATIONS**  
**PERMIT NUMBER WQG02581501**

<p><b>A. PERMITTEE (Name and Address):</b> Scranton City Sewer Authority 312 Adams Avenue Scranton, PA 18503</p> <p><b>CLIENT ID#:</b> 86002</p>	<p><b>B. PROJECT/FACILITY (Name):</b> Scranton Sewer Authority STP Leggetts Street CSO #72 Separation Project</p> <p><b>C. LOCATION (County, Municipality):</b> Scranton City, Lackawanna County</p>
<p><b>D. This General Permit approves the construction and operation of:</b></p> <p><input checked="" type="checkbox"/> <b>SEWER EXTENSION</b></p> <p><input type="checkbox"/> <b>PUMP STATION</b></p>	
<p><b>E. APPROVAL GRANTED BY THIS GENERAL PERMIT IS SUBJECT TO THE FOLLOWING:</b></p> <p>1. All construction, operations and procedures shall be in accordance with the <i>Domestic Wastewater Facilities Manual</i>.</p> <p><b>Transfers:</b> In the event the permittee plans to transfer ownership of the facility to another entity, the permittee and the transferee shall submit an application for such transfer to DEP. If the transfer is approved by DEP, the transferee is subject to the terms and conditions of this General Permit.</p> <p>2. The attached conditions apply to this General Permit and are hereby made part of same.</p>	
<p><b>F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</b></p> <p>1. If there is a conflict between the NOI or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.</p> <p>2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this General Permit shall void the authority given to the permittee by the issuance of this General Permit.</p> <p>3. This General Permit is issued pursuant to the Clean Streams Law, Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 <i>et seq.</i> Issuance of this General Permit shall not relieve the permittee of any responsibility under any other law.</p>	
<p><b>PERMIT ISSUED:</b> <u>August 11, 2015</u></p>	<p><b>BY:</b> <u>Michael D. Bedn</u></p> <p><b>TITLE:</b> <u>Northeast Regional Director</u></p>

Permit

**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTIONCOMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER STANDARDS AND FACILITY REGULATION**PERMIT CONDITIONS****General**

1. Consistent with DEP's technical guidance document *Conducting Technical Reviews of Water Quality Management Permit Wastewater Treatment Facilities*, DEP ID: 362-2000-007, available on DEP's Web site, DEP considers the registered professional engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility's design.
2. The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along or across private property with full rights of ingress, egress and regress.
3. If, at any time, the sewer extension and/or pump station covered by this General Permit creates a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
4. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the facilities.
5. This General Permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to, or over any lands which belong to the Commonwealth.
6. No discharge is authorized from these facilities unless approved by an NPDES Permit.

**Construction**

7. An Erosion and Sedimentation (E&S) Control Plan must be developed prior to construction of the permitted facility, pursuant to Title 25 Pa. Code Chapter 102, and implemented during and after the earth disturbance activity.  
If the activity involves 5 or more acres of earth disturbance, or from 1 to 5 acres of earth disturbance with a point source discharge to surface waters of the Commonwealth, an NPDES Permit is required.  
In addition to the state NPDES permitting requirements, some municipalities, through local ordinances, require the E&S Control Plan to be reviewed and approved by the local county conservation district office prior to construction. For specific information regarding E&S control planning approval and NPDES permitting requirements please contact your local county conservation district office.
8. Prior to beginning any construction or excavation, the locations of all utility lines must be identified through notification to the PA One Call system ([www.paonecall.org](http://www.paonecall.org)). The notification shall not be less than three nor more than 10 working days in advance of beginning the construction or excavation.
9. The local waterways conservation officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if there is any use of explosives in any waterways and the permittee shall notify the local waterways conservation officer when explosives are to be used.
10. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The whole manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
11. The facilities shall be constructed under the supervision of a Pennsylvania registered Professional Engineer in accordance with the approved reports, plans and specifications.

12. A Pennsylvania registered Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using "Post Construction Certification" (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. If requested, "as-built" drawings, photographs (if available) and a description of any DEP-approved deviations from the application and design plans must be submitted to DEP within 30 days of certification. Construction must be completed within two years of permit issue date.

### Operation and Maintenance

13. The permittee shall maintain sewer extension and/or pump station operation and maintenance (O&M) manuals at the facility and ensure proper O&M of the permitted facility. The permittee shall file the O&M manuals with DEP upon request.
14. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sewer extension or pump station.
15. The sewer extension shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimal settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
16. The approved sewer extensions and/or pump stations shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
17. The sewer extension and/or pump station shall be properly operated and maintained so that the facility will perform as designed.
18. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
19. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of the sewer extension and/or pump station.
20. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code, Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR Part 257 and the Federal Clean Water Act and its amendments.



**pennsylvania**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**WATER QUALITY MANAGEMENT  
 POST CONSTRUCTION CERTIFICATION**

<b>PERMITTEE IDENTIFIER</b>	
Permittee	Scranton City Sewer Authority Lackawanna County
Municipality	Scranton City
County	Lackawanna
WQM Permit No.	WQG02581501
Facility Type	Sewage – CSO #72

**All of the above information should be taken directly from the Water Quality Management Permit.**

**CERTIFICATION**

This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.

I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.

Construction Completion Date (MM/DD/YYYY): \_\_\_\_\_

	<b>Professional Engineer</b>
	Name _____ (Please Print or Type)
	Signature _____
	Date _____
	License Expiration Date _____
	Firm or Agency _____
	Telephone _____
	<b>Permittee or Authorized Representative</b>
	Name _____ (Please Print or Type)
	Signature _____
	Title _____
	Telephone _____





**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

March 23<sup>rd</sup>, 2015

**CERTIFIED MAIL NO. 7014 0150 0002 1674 0109**

Eugene Barrett  
Scranton Sewer Authority  
312 Adams Avenue  
Scranton, PA 18503

Re: WQM Permit - Sewage  
Keyser Valley Pumping Station  
Permit No. 3514402  
Authorization ID No. 1055100  
Scranton City, Lackawanna County

Dear Mr. Barrett:

Your Water Quality Management (WQM) permit is enclosed. You must comply with all Standard and Special Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Please note that you are responsible for securing all other required permits, approvals and/or registrations associated with the project, if applicable, under Chapters 102 (erosion and sedimentation control), 105 (stream obstructions and encroachments) and 106 (floodplains) of DEP's regulations. Construction may not proceed until all other required permits have been obtained.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717.787.3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800.654.5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717.787.3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

**IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.**

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717.787.3483) FOR MORE INFORMATION.

During construction or upon completing construction, please contact William C. Welgosh at 570.826.2355 or [wwelgosh@pa.gov](mailto:wwelgosh@pa.gov) so that an inspection of the facilities may be conducted, at DEP's discretion.

Sincerely,



Michael J. Brunamonti, P.E.  
Environmental Program Manager  
Clean Water Program

Enclosures

cc: Cardno Bcm Engineers  
Central Office, Operations Section (Pump Stations Only)  
Northeast Monitoring and Compliance  
File  
Welgosh



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

**WATER QUALITY MANAGEMENT  
PERMIT**

PERMIT NO. 3514402  
AMENDMENT NO. \_\_\_\_\_  
APS ID. 860265  
AUTH. ID. 1055100

<p>A. PERMITTEE (Name and Address): <b>Scranton Sewer Authority</b> 312 Adams Avenue Scranton, PA 18503</p>	<p>CLIENT ID#: 307729</p>	<p>B. PROJECT/FACILITY (Name): <b>Keyser Valley Pumping Station</b></p>
<p>C. LOCATION (Municipality, County): <b>Scranton City, Lackawanna County</b></p>		<p>SITE ID#: 789000</p>
<p>D. This permit approves the construction and modification of sewage facilities consisting of: A new 28,000 gallon equalization tank and associated grit trap adjacent to Keyser Valley Pumping Station. The purpose of the project is provide additional storage capacity to limit combined sewer overflows at CSO Outfall #80 and CSO Outfall #67 as per the Authority's Combined Sewer Overflow Long Term Control Plan. Two new pumps will be installed to replace existing pumps.</p>		
<p>Pump Stations: <u>1</u> Design Capacity: <u>1000</u> GPM</p>	<p>Manure Storage: Volume: _____ Freeboard: _____ inches</p>	<p>Sewage Treatment Facility: Annual Average Flow: <u>0.38</u> MGD Design Hydraulic Capacity: <u>1.44</u> MGD Design Organic Capacity: _____ lb/day</p>
<p>E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:</p> <ol style="list-style-type: none"> <li>1. <b>New Permits:</b> All construction, operations and procedures shall be in accordance with the Water Quality Management Permit application dated <u>12/16/15</u>, its supporting documentation and addendums dated <u>12/16/15</u>, which are hereby made a part of this permit.</li> <li>2. Permit Conditions Relating to Sewerage are attached and made part of this permit.</li> </ol>		
<p>F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</p> <ol style="list-style-type: none"> <li>1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.</li> <li>2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.</li> <li>3. This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 <i>et seq.</i> Issuance of this permit shall not relieve the permittee of any responsibility under any other law.</li> </ol>		
<p>PERMIT ISSUED: <u>March 23<sup>rd</sup>, 2015</u></p>	<p>BY:  TITLE: <b>Michael J. Brunamonti, P.E.</b> <b>Clean Water Program Manager</b> <b>Northeast Regional Office</b></p>	



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

**PERMIT CONDITIONS RELATING TO SEWERAGE**  
For use in Water Quality Management Permits

(Check boxes that apply)

**General**

- 1. The Department of Environmental Protection (DEP) considers the licensed Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design.
- 2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
- 3. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1375, as amended.
- 4. The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along or across private property with full rights of ingress, egress and regress.
- 5. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
- 6. The approval of the plans, and the authority granted in this permit, if not specifically extended, shall cease and be null and void 2 years from the issuance date of this permit unless construction or modification of the facilities covered by this permit has begun on or before the second anniversary of the permit date.
- 7. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
- 8. If, after the issuance of this permit, DEP approves a municipal sewage facilities official plan or an amendment to an official plan under Act 537 (Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended) in which sewage from the herein approved facilities will be treated and disposed of at other planned facilities, the permittee shall, upon notification from the municipality or DEP, provide for the conveyance of its sewage to the planned facilities, abandon use and decommission the herein approved facilities including the proper disposal of solids, and notify DEP accordingly. The permittee shall adhere to schedules in the approved official plan, amendments to the plan, or other agreements between the permittee and municipality. This permit shall then, upon notice from DEP, terminate and become null and void and shall be relinquished to DEP.
- 9. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
- 10. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to or over any lands which belong to the Commonwealth.
- 11. The authority granted by this permit is subject to all effluent requirements, monitoring requirements and other conditions as set forth in NPDES Permit No. **PA0026492** and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

**Construction**

- 12. This permit is issued under the authorization of The Clean Streams Law and 25 Pa. Code Chapter 91. The permittee shall obtain all necessary permits, approvals and/or registrations under 25 Pa. Code Chapters 102, 105 and 106 prior to commencing construction of the facilities authorized by this permit, as applicable. The permittee should contact the DEP office that issued this permit if there are any questions concerning the applicability of additional permits.



- 13. The facilities shall be constructed under the supervision of a Pennsylvania licensed Professional Engineer in accordance with the approved reports, plans and specifications.
- 14. A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using "Post Construction Certification" form (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. As-built drawings, photographs (if available) and a description of all deviations from the application and design plans must be submitted to DEP within 30 days of certification.
- 15. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
- 16. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.

**Operation and Maintenance**

- 17. The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.
- 18. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
- 19. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
- 20. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
- 21. The sewerage facilities shall be properly operated and maintained to perform as designed.
- 22. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
- 23. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. §§1001, *et seq.* shall operate the sewage treatment plant.
- 24. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
- 25. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
- 26. All connections to the approved sanitary sewers must be in accordance with the official Act 537 Plan and, if applicable, a corrective action plan as contained in the approved Title 25 Pa. Code Chapter 94 Municipal Wasteload Management Annual Report.
- 27. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.



**WATER QUALITY MANAGEMENT  
 POST CONSTRUCTION CERTIFICATION**

**PERMITTEE IDENTIFIER**

Permittee	Scranton Sewer Authority
Municipality	Scranton City
County	Lackawanna
WQM Permit No.	3514402
Facility Type	Sewage

**All of the above information should be taken directly from the Water Quality Management Permit.**

**CERTIFICATION**

This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.

I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.

Construction Completion Date (MM/DD/YYYY): \_\_\_\_\_

	<b>Professional Engineer</b>
	Name _____ (Please Print or Type)
	Signature _____
	Date _____
	License Expiration Date _____
	Firm or Agency _____
	Telephone _____
	<b>Permittee or Authorized Representative</b>
	Name _____ (Please Print or Type)
	Signature _____
	Title _____
	Telephone _____



**pennsylvania**

DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

November 19, 2015

**CERTIFIED MAIL NO. 7015 1520 0003 1424 0205**

Eugene Barrett, Executive Director  
Scranton Sewer Authority  
312 Adams Avenue  
Scranton, PA 18503

Re: WQM Permit - Sewage  
Von Storch Outfall #11 CSO Storage Facility  
Permit No. 3515403  
Authorization ID No. 1084155  
City of Scranton, Lackawanna County

Dear Mr. Barrett:

Your Water Quality Management (WQM) permit is enclosed. You must comply with all Standard and Special Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Please note that you are responsible for securing all other required permits, approvals and/or registrations associated with the project, if applicable, under Chapters 102 (erosion and sedimentation control), 105 (stream obstructions and encroachments) and 106 (floodplains) of DEP's regulations. Construction may not proceed until all other required permits have been obtained.

Enclosed is the "Water Quality Management Post Construction Certification" form. A Pennsylvania-registered Professional Engineer must sign and complete this form prior to startup of the facilities. You or your authorized representative must also sign the form. This certification and other post-construction documentation must be submitted to DEP within 30 days of completion of the project and must be received by DEP prior to commencing operation of the facilities.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717.787.3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800.654.5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The

Mr. Eugene Barrett

- 2 -

November 19, 2015

appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717.787.3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717.787.3483) FOR MORE INFORMATION.

If you have any questions, please contact Philip J. Amico, P.E., P.L.S. at 570.826.2310 or [pamico@pa.gov](mailto:pamico@pa.gov).

Sincerely,



Bharat Patel, P.E.  
Environmental Program Manager  
Clean Water Program


Enclosures

cc: Central Office, Operations Section  
N.E. Monitoring and Compliance Section  
Mary Jo Brown / GHD  
File





# WATER QUALITY MANAGEMENT PERMIT

<p>A. PERMITTEE (Name and Address): <b>Scranton Sewer Authority</b> 312 Adams Avenue Scranton, PA 18503</p>	<p>CLIENT ID#: <b>86002</b></p>	<p>B. PROJECT/FACILITY (Name): <b>Von Storch Outfall #11 CSO Storage Facility</b></p>
<p>C. LOCATION (Municipality, County): <b>City of Scranton, Lackawanna County</b></p>		<p>SITE ID#: <b>809880</b></p>
<p>D. This permit approves the construction/operation of sewage facilities consisting of: A 120,000 gallon combined sewer overflow (CSO) off-line pipe storage system, known as Von Storch Outfall #11 CSO Storage Facility, located northwest of the intersection of Von Storch Avenue and Glen Street. The project also includes storm sewer separation in the area of Von Storch Avenue and a new regulator structure to meter combined sewer overflows to the Lackawanna River.</p>		
<p>Pump Stations: <b>1</b> Design Capacity: <b>360 GPM</b></p>	<p>Manure Storage: <b>N/A</b> Volume: _____ MG Freeboard: _____ inches</p>	<p>Sewage Treatment Facility: <b>N/A</b> Annual Average Flow: _____ MGD Design Hydraulic Capacity: _____ MGD Design Organic Capacity: _____ lb/day</p>
<p>E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:</p> <ol style="list-style-type: none"> <li><b>New Permits:</b> All construction, operations and procedures shall be in accordance with the Water Quality Management Permit application dated <b>August 4, 2015</b>, its supporting documentation and addendums dated <b>October 9 and 20, 2015</b>, which are hereby made a part of this permit.</li> <li>Permit Conditions Relating to Sewerage are attached and made part of this permit.</li> </ol>		
<p>F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</p> <ol style="list-style-type: none"> <li>If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.</li> <li>Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.</li> <li>This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 <i>et seq.</i> Issuance of this permit shall not relieve the permittee of any responsibility under any other law.</li> </ol>		
<p>PERMIT ISSUED:  <b>November 19, 2015</b></p>	<p>BY: <u></u> TITLE: <b>Bharat Patel, P.E.</b> <b>Environmental Program Manager</b> <b>Clean Water Program</b> <b>Northeast Regional Office</b></p>	



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

**PERMIT CONDITIONS RELATING TO SEWERAGE**  
For use in Water Quality Management Permits

(Check boxes that apply)

**General**

- 1. The Department of Environmental Protection (DEP) considers the licensed Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design.
- 2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
- 3. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1375, as amended.
- 4. The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along or across private property with full rights of ingress, egress and regress.
- 5. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
- 6. The approval of the plans, and the authority granted in this permit, if not specifically extended, shall cease and be null and void 2 years from the issuance date of this permit unless construction or modification of the facilities covered by this permit has begun on or before the second anniversary of the permit date.
- 7. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
- 8. If, after the issuance of this permit, DEP approves a municipal sewage facilities official plan or an amendment to an official plan under Act 537 (Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended) in which sewage from the herein approved facilities will be treated and disposed of at other planned facilities, the permittee shall, upon notification from the municipality or DEP, provide for the conveyance of its sewage to the planned facilities, abandon use and decommission the herein approved facilities including the proper disposal of solids, and notify DEP accordingly. The permittee shall adhere to schedules in the approved official plan, amendments to the plan, or other agreements between the permittee and municipality. This permit shall then, upon notice from DEP, terminate and become null and void and shall be relinquished to DEP.
- 9. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
- 10. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to or over any lands which belong to the Commonwealth.
- 11. The authority granted by this permit is subject to all effluent requirements, monitoring requirements and other conditions as set forth in NPDES Permit No. and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

**Construction**

- 12. This permit is issued under the authorization of The Clean Streams Law and 25 Pa. Code Chapter 91. The permittee shall obtain all necessary permits, approvals and/or registrations under 25 Pa. Code Chapters 102, 105 and 106 prior to commencing construction of the facilities authorized by this permit, as applicable. The permittee should contact the DEP office that issued this permit if there are any questions concerning the applicability of additional permits.

- 13. The facilities shall be constructed under the supervision of a Pennsylvania licensed Professional Engineer in accordance with the approved reports, plans and specifications.
- 14. A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using "Post Construction Certification" form (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. As-built drawings, photographs (if available) and a description of all deviations from the application and design plans must be submitted to DEP within 30 days of certification.
- 15. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
- 16. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.

**Operation and Maintenance**

- 17. The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.
- 18. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
- 19. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
- 20. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
- 21. The sewerage facilities shall be properly operated and maintained to perform as designed.
- 22. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
- 23. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. §§1001, *et seq.* shall operate the sewage treatment plant.
- 24. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
- 25. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
- 26. All connections to the approved sanitary sewers must be in accordance with the official Act 537 Plan and, if applicable, a corrective action plan as contained in the approved Title 25 Pa. Code Chapter 94 Municipal Wasteload Management Annual Report.
- 27. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.



**WATER QUALITY MANAGEMENT  
 POST CONSTRUCTION CERTIFICATION**

**PERMITTEE IDENTIFIER**

Permittee	Scranton Sewer Authority
Municipality	City of Scranton
County	Lackawanna
WQM Permit No.	3515403
Facility Type	Sewage

**All of the above information should be taken directly from the Water Quality Management Permit.**

**CERTIFICATION**

This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.

I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.

Construction Completion Date (MM/DD/YYYY): \_\_\_\_\_

**Professional Engineer**

Name \_\_\_\_\_  
 (Please Print or Type)

Signature \_\_\_\_\_

Date \_\_\_\_\_

License Expiration Date \_\_\_\_\_

Firm or Agency \_\_\_\_\_

Telephone \_\_\_\_\_

**Permittee or Authorized Representative**

Name \_\_\_\_\_  
 (Please Print or Type)

Signature \_\_\_\_\_

Title \_\_\_\_\_

Telephone \_\_\_\_\_





Pennsylvania Department of Environmental Protection

2 Public Square  
Wilkes-Barre, PA 18701-1915  
August 31, 2010

Northeast Regional Office

570-826-2511  
Fax 570-830-3016

CERTIFIED MAIL NO. 7010 0290 0000 2762 1186

Sewer Authority of the City of Scranton  
312 Adams Avenue  
Scranton, PA 18503

Attention: Mr. Eugene Barrett  
Executive Director

Re: Sewage  
Wastewater Treatment Facility  
WQM Part II Permit No. 3510401  
APS ID No. 718297  
Authorization No. 831466  
City of Scranton, Lackawanna County

Dear Mr. Barrett:

Your Water Quality Management permit is enclosed.

You must comply with all Standard and Special Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Enclosed is the "Water Quality Management Post Construction Certification" form. A Pennsylvania-registered Professional Engineer must sign and complete this form prior to startup of the facilities (see Permit Condition No. 13). You or your authorized representative must also sign the form. This certification and other post-construction documentation must be submitted to the Department within 30 days following startup of the facilities.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in Braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

August 31, 2010

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

If you have any questions, please call Philip J. Amico, P.E., P.L.S. at 570-826-2310.

Sincerely,



Kate Crowley  
Program Manager  
Water Management Program

Enclosures

cc: Pennoni Associates



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT

PERMIT NO. 3510401

AMENDMENT NO. \_\_\_\_\_

APS ID. 718297

AUTH. ID. 831466

**WATER QUALITY MANAGEMENT  
PERMIT**

<p>A. PERMITTEE (Name and Address): Sewer Authority of the City of Scranton 312 Adams Avenue Scranton, PA 18503</p>	<p>B. PROJECT/FACILITY (Name): Wastewater Treatment Facility Upgrades</p>
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<p>C. LOCATION (Municipality, County): City of Scranton, Lackawanna County</p>	<p>SITE ID#: 256598</p>
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D. This permit approves the construction/modification/operation of sewerage/wastewater facilities consisting of:  
The following upgrades to the Authority's wastewater treatment facility as part of a Biological Nutrient and Chemical Phosphorus Removal Project:

- Addition of a fifth primary settling tank and associated primary sludge pumping facilities
- Modification of existing bioreactors to create true two-pass anoxic/aerobic treatment trains
- Addition of a fifth bioreactor
- Addition of a fifth and sixth final settling tank
- Addition of a new return sludge pump station to accommodate the fifth and sixth final settling tanks
- Addition of a supplemental carbon storage and feed system
- Addition of a chemical feed system for chemical phosphorus precipitation
- Modification and upgrade of scum collection, concentration and handling equipment
- Modification and upgrade of the SCADA system

<p>Pump Stations: <u>N/A</u> Design Capacity: _____ GPM</p>	<p>Manure Storage:  Volume: <u>N/A</u> MG  Freeboard: _____ Inches</p>	<p>Sewage Treatment Facility: Annual Average Flow: <u>15.9</u> MGD Design Hydraulic Capacity: <u>20.0</u> MGD (Maximum Monthly Average Flow) Design Organic Capacity: <u>28,290</u> lb/day</p>
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E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:

1. New Permits: All construction, operations and procedures shall be in accordance with the Water Quality Management Permit application dated April 16, 2010, its supporting documentation and addendums dated August 25, 2010, which are hereby made a part of this permit.
2. Permit Conditions Relating to Sewerage/Wastewater are attached and made part of this permit.
3. Special Conditions numbered 1-2 are attached and made part of this permit.

F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:

1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.
2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.
3. This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 et seq. Issuance of this permit shall not relieve the permittee of any responsibility under any other law.

PERMIT ISSUED: August 31, 2010

BY: Kate Crowley  
Kate Crowley  
TITLE: Water Management Program Manager





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT

**PERMIT CONDITIONS RELATING TO SEWERAGE**  
For use in Water Quality Management Permits

(Place a  $\checkmark$  in the box that applies)

**General**

- 1. Consistent with the Department of Environmental Protection's (DEP) technical guidance document *Conducting Technical Reviews of Water Quality Management Permit Wastewater Treatment Facilities*, DEP ID: 362-2000-007 available on DEP's website at [www.dep.state.pa.us](http://www.dep.state.pa.us), DEP did not conduct a detailed technical review of this application. DEP considers the registered Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design.
- 2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
- 3. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1375, as amended.
- 4. The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along, or across private property with full rights of ingress, egress and regress.
- 5. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
- 6. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
- 7. This permit authorizes the construction and operation of the proposed sewerage facilities until such time as facilities for conveyance and treatment at a more suitable location are installed and capable of receiving and treating the permittee's sewage. Such facilities must be in accordance with the applicable municipal official plan adopted pursuant to Section 5 of the Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended. When such municipal sewerage facilities become available, the permittee shall provide for the conveyance of the sewage to these sewerage facilities, abandon the use of these approved facilities and notify DEP accordingly. This permit shall then, upon notice from DEP, terminate and become null and void, and shall be relinquished to DEP.
- 8. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
- 9. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to, or over any lands which belong to the Commonwealth.
- 10. The authority granted by this permit is subject to all effluent requirements, monitoring requirements, and other conditions as set forth in NPDES Permit No. PA0026492 and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

**Construction**

- 11. An Erosion and Sedimentation (E&S) Plan must be developed prior to construction of the permitted facility, pursuant to Title 25 Pa. Code Chapter 102, and implemented during and after the earth disturbance activity.  
If the activity involves 5 or more acres of earth disturbance, or from 1 to 5 acres of earth disturbance with a point source discharge to surface waters of the Commonwealth, an NPDES permit for the Discharge of Stormwater Associated with Construction Activity is required.  
In addition to the state NPDES permitting requirements, some municipalities, through local ordinances, require the E&S Control Plan to be reviewed and approved by the local County Conservation District office prior to construction. For specific information regarding E&S control planning approval and NPDES permitting requirements, please contact your local County Conservation District office.



- 12. The facilities shall be constructed under the supervision of a Pennsylvania registered Professional Engineer in accordance with the approved reports, plans and specifications.
- 13. A Pennsylvania registered Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using "Post Construction Certification" (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. If requested, "as-built" drawings, photographs (if available) and a description of any DEP-approved deviations from the application and design plans must be submitted to DEP within 30 days of certification.
- 14. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
- 15. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.

**Operation and Maintenance**

- 16. The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.
- 17. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
- 18. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
- 19. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
- 20. The sewerage facilities shall be properly operated and maintained to perform as designed.
- 21. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
- 22. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. §§1001, *et seq.* shall operate the sewage treatment plant.
- 23. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
- 24. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
- 25. All connections to the approved sanitary sewers must be in accordance with the corrective action plan as contained in the approved Title 25 Pa. Code Chapter 94 Municipal Wasteload Management Annual Report.
- 26. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code Chapters 271, 273, 276, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.

SPECIAL CONDITIONS

1. The design of the Wastewater Treatment Plant (WWTP) Improvements Project authorized by this permit allows up to 60 MGD of raw Influent flow, as measured upstream of the WWTP Headworks Building, into the WWTP. Flows in excess of 60 MGD will be diverted to Combined Sewer Overflow Outfall No. 003 through the use of a motorized actuated valve. The Mechanical Barscreens, Grit Removal System, Raw Influent Pumps and Primary Clarifiers are designed to handle a peak wet weather flow of 60 MGD. The Bioreactors and Secondary Clarifiers, however, are designed to accommodate a peak flow of only 46 MGD. The secondary effluent bypass chamber will contain a modulating weir gate and an ultrasonic level sensor that will control the flow from the Primary Clarifiers to the Bioreactors. Primary Clarifier effluent flows up to 46 MGD will be directed to the Bioreactors. The modulating weir gate will automatically adjust to allow flows in excess of 46 MGD to be diverted around the Bioreactors to the Secondary Clarifier effluent channel. The Chlorine Contact Tanks and Final Effluent Outfall Structure are designed to handle a peak flow of 60 MGD. This included 46 MGD of flow processed through the secondary treatment system and up to an additional 14 MGD of Primary Clarifier Effluent bypassed around the Bioreactors and Secondary Clarifiers. Any deviations from this Wet Weather Operational Plan require prior written Departmental approval.
2. By no later than February 28, 2011, the permittee shall complete any necessary studies and notify the Department in writing as to whether or not the treatment plant outfall structure needs to be upgraded or modified to ensure sufficient capacity to adequately convey 60 MGD to the Lackawanna River. If the outfall does need to be upgraded or modified, the permittee shall complete the design and apply for any required Departmental permits by no later than August 31, 2011. The outfall upgrades or modifications shall be completed in conjunction with the WWTP Improvements Project.





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

WATER QUALITY MANAGEMENT  
POST CONSTRUCTION CERTIFICATION

**PERMITTEE IDENTIFIER**

Permittee	Sewer Authority of the City of Scranton
Municipality	City of Scranton
County	Lackawanna
WQM Permit No.	3510401
Facility Type	Wastewater Treatment Facility

All of the above information should be taken directly from the Water Quality Management Permit.

**CERTIFICATION**

This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.

I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.

Construction Completion Date (MM/DD/YYYY): \_\_\_\_\_

<p>Engineer's Seal</p>	<b>Professional Engineer</b>
	Name _____ (Please Print or Type)
	Signature _____
	Date _____
	License Expiration Date _____
	Firm or Agency _____
	Telephone _____
	<b>Permittee or Authorized Representative</b>
	Name _____ (Please Print or Type)
	Signature _____
	Title _____
	Telephone _____



**pennsylvania**

DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

July 20, 2015

**CERTIFIED MAIL NO. 7012 2210 0001 6328 7679**

Eugene Barrett  
Scranton City Sewer Authority  
312 Adams Avenue  
Scranton, PA 18503

Re: WQM Permit - Sewage  
Brown Avenue CSO #37  
Permit No. 3515401  
Authorization ID No. 1068861  
Scranton City, Lackawanna County

Dear Mr. Barrett:

Your Water Quality Management (WQM) permit is enclosed. You must comply with all Standard and Special Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Please note that you are responsible for securing all other required permits, approvals and/or registrations associated with the project, if applicable, under Chapters 102 (erosion and sedimentation control), 105 (stream obstructions and encroachments) and 106 (floodplains) of DEP's regulations. Construction may not proceed until all other required permits have been obtained.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717.787.3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800.654.5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717.787.3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

**IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.**



Mr. Eugene Barrett

7/20/2015

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717.787.3483) FOR MORE INFORMATION.

During construction or upon completing construction, please contact William "Cody" Welgosh at 570.826.2355 or [wwelgosh@pa.gov](mailto:wwelgosh@pa.gov) so that an inspection of the facilities may be conducted, at DEP's discretion.

Sincerely,



Michael D. Bedrin  
Regional Director  
Northeast Regional Office

Enclosures

cc: Reilly Associates  
Central Office, Operations Section (Pump Stations Only)  
Northeast Monitoring and Compliance  
File  
Welgosh



**WATER QUALITY MANAGEMENT  
PERMIT**

<p>A. PERMITTEE (Name and Address): CLIENT ID#: <b>86002</b>  <b>Scranton City Sewer Authority Lackawanna County</b>  <b>Scranton Sewer Authority Treatment Plant</b>  <b>Scranton, PA 18505</b></p>	<p>B. PROJECT/FACILITY (Name):  <b>Brown Avenue Cso #37</b></p>	
<p>C. LOCATION (Municipality, County): SITE ID#: <b>791444</b>  <b>Scranton City, Lackawanna County</b></p>		
<p>D. This permit approves the modification of sewage facilities consisting of:          The installation of a 48" diameter, steel-reinforced polyethylene pipe as a flow equalization structure with a 12-inch automated control valve. The purpose of the project is to provide additional storage capacity to limit combined sewer overflows at CSO Outfall #37 as per the Authority's Combined Sewer Overflow Long Term Control Plan.</p>		
<p>Pump Stations: <u>N/A</u>          Design Capacity: _____ GPM</p>	<p>Manure Storage: <u>N/A</u>          Volume: _____ MG          Freeboard: _____ inches</p>	<p>Sewage Treatment Facility: <u>N/A</u>          Annual Average Flow: _____ MGD          Design Hydraulic Capacity: _____ MGD          Design Organic Capacity: _____ lb/day</p>
<p>E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:          1. <b>New Permits:</b> All construction, operations and procedures shall be in accordance with the Water Quality Management Permit application dated <u>4/09/15</u> its supporting documentation and addendums dated <u>4/09/15</u> and <u>6/1/2015</u>, which are hereby made a part of this permit.          2. Permit Conditions Relating to Sewerage are attached and made part of this permit.</p>		
<p>F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:          1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.          2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.          3. This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 <i>et seq.</i> Issuance of this permit shall not relieve the permittee of any responsibility under any other law.</p>		
<p>PERMIT ISSUED:  <u>July 20, 2015</u></p>	<p>BY: <u><i>Michael D. Bedrin</i></u>  <b>Michael D. Bedrin</b>  <b>Regional Director</b>  <b>Northeast Regional Office</b></p> <p>TITLE:</p>	



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

**PERMIT CONDITIONS RELATING TO SEWERAGE**  
For use in Water Quality Management Permits

(Check boxes that apply)

**General**

- 1. The Department of Environmental Protection (DEP) considers the licensed Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design.
- 2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
- 3. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1375, as amended.
- 4. The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along or across private property with full rights of ingress, egress and regress.
- 5. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
- 6. The approval of the plans, and the authority granted in this permit, if not specifically extended, shall cease and be null and void 2 years from the issuance date of this permit unless construction or modification of the facilities covered by this permit has begun on or before the second anniversary of the permit date.
- 7. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
- 8. If, after the issuance of this permit, DEP approves a municipal sewage facilities official plan or an amendment to an official plan under Act 537 (Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended) in which sewage from the herein approved facilities will be treated and disposed of at other planned facilities, the permittee shall, upon notification from the municipality or DEP, provide for the conveyance of its sewage to the planned facilities, abandon use and decommission the herein approved facilities including the proper disposal of solids, and notify DEP accordingly. The permittee shall adhere to schedules in the approved official plan, amendments to the plan, or other agreements between the permittee and municipality. This permit shall then, upon notice from DEP, terminate and become null and void and shall be relinquished to DEP.
- 9. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
- 10. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to or over any lands which belong to the Commonwealth.
- 11. The authority granted by this permit is subject to all effluent requirements, monitoring requirements and other conditions as set forth in NPDES Permit No. **PA0026492** and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

**Construction**

- 12. This permit is issued under the authorization of The Clean Streams Law and 25 Pa. Code Chapter 91. The permittee shall obtain all necessary permits, approvals and/or registrations under 25 Pa. Code Chapters 102, 105 and 106 prior to commencing construction of the facilities authorized by this permit, as applicable. The permittee should contact the DEP office that issued this permit if there are any questions concerning the applicability of additional permits.

- 13. The facilities shall be constructed under the supervision of a Pennsylvania licensed Professional Engineer in accordance with the approved reports, plans and specifications.
- 14. A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using "Post Construction Certification" form (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. As-built drawings, photographs (if available) and a description of all deviations from the application and design plans must be submitted to DEP within 30 days of certification.
- 15. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
- 16. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.

#### Operation and Maintenance

- 17. The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.
- 18. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
- 19. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
- 20. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
- 21. The sewerage facilities shall be properly operated and maintained to perform as designed.
- 22. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
- 23. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. §§1001, *et seq.* shall operate the sewage treatment plant.
- 24. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
- 25. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
- 26. All connections to the approved sanitary sewers must be in accordance with the official Act 537 Plan and, if applicable, a corrective action plan as contained in the approved Title 25 Pa. Code Chapter 94 Municipal Wasteload Management Annual Report.
- 27. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.





**WATER QUALITY MANAGEMENT  
 POST CONSTRUCTION CERTIFICATION**

**PERMITTEE IDENTIFIER**

Permittee	Scranton City Sewer Authority Lackawanna County
Municipality	Scranton City
County	Lackawanna
WQM Permit No.	3515401
Facility Type	Sewage

**All of the above information should be taken directly from the Water Quality Management Permit.**

**CERTIFICATION**

This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.

I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.

Construction Completion Date (MM/DD/YYYY): \_\_\_\_\_

**Professional Engineer**

Name \_\_\_\_\_  
 (Please Print or Type)

Signature

Date

License Expiration Date

Firm or Agency

Telephone

**Permittee or Authorized Representative**

Name \_\_\_\_\_  
 (Please Print or Type)

Signature

Title

Telephone



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

November 20, 2015

**CERTIFIED MAIL NO. 7015 1520 0003 1424 0120**

Eugene Barrett  
Scranton Sewer Authority  
312 Adams Avenue  
Scranton, PA 18503

Re: WQM Permit - Sewage  
Drinker St. CSO #65 Off-Line Storage Conduit  
Permit No. 3515404  
Authorization ID No. 1091964  
Dunmore Borough, Lackawanna County

Dear Mr. Barrett:

Your Water Quality Management (WQM) permit is enclosed. You must comply with all Standard Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Please note that you are responsible for securing all other required permits, approvals and/or registrations associated with the project, if applicable, under Chapters 102 (erosion and sedimentation control), 105 (stream obstructions and encroachments) and 106 (floodplains) of DEP's regulations. Construction may not proceed until all other required permits have been obtained.

Enclosed is the "Water Quality Management Post Construction Certification" form. A Pennsylvania-registered Professional Engineer must sign and complete this form prior to startup of the facilities. You or your authorized representative must also sign the form. This certification and other post-construction documentation must be submitted to DEP within 30 days of completion of the project and must be received by DEP prior to commencing operation of the facilities.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717.787.3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800.654.5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on

Mr. Eugene Barrett

- 2 -

November 20, 2015

audiotape from the Secretary to the Board at 717.787.3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

**IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.**

**IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717.787.3483) FOR MORE INFORMATION.**

During construction or upon completing construction, please contact Brian Burden at 570.826.2331 or brburden@pa.gov so that an inspection of the facilities may be conducted, at DEP's discretion.

Sincerely,



Bharat Patel, P.E.  
Environmental Program Manager  
Clean Water Program

Enclosures

cc: Richard Kresge, P.E. - Quad Three Group, Inc.  
N.E. Monitoring & Compliance  
File



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

**WATER QUALITY MANAGEMENT  
PERMIT**

PERMIT NO. 3515404  
AMENDMENT NO. \_\_\_\_\_  
APS ID. 881731  
AUTH. ID. 1091964

<p>A. PERMITTEE (Name and Address): <b>Scranton Sewer Authority</b> 312 Adams Avenue Scranton, PA 18503</p>	<p>CLIENT ID#: <b>86002</b></p>	<p>B. PROJECT/FACILITY (Name): <b>Drinker St. CSO #65 Off-Line Storage Conduit</b></p>
<p>C. LOCATION (Municipality, County): <b>Dunmore Borough, Lackawanna County</b></p>		<p>SITE ID#: <b>256598</b></p>
<p>D. This permit approves the construction/modification/operation of sewage facilities consisting of: An off-line 30,000 gallon storage/conveyance conduit to capture overflow from the existing Drinker Street CSO #65 regulator. A precast concrete diversion chamber with an ultrasonic-metered 60° V-notch overflow weir, a precast concrete vault containing a remotely-controlled pinch valve with an electromagnetic flow meter, two manholes, and other related appurtenances are included in the project.</p>		
<p>Pump Stations: <u>N/A</u> Design Capacity: _____ GPM</p>	<p>Manure Storage: <u>N/A</u> Volume: _____ MG Freeboard: _____ inches</p>	<p>Sewage Treatment Facility: <u>N/A</u> Annual Average Flow: _____ MGD Design Hydraulic Capacity: _____ MGD Design Organic Capacity: _____ lb/day</p>
<p>E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:</p> <ol style="list-style-type: none"> <li>1. <b>New Permits:</b> All construction, operations and procedures shall be in accordance with the Water Quality Management Permit application dated <b>September 8, 2015</b>, its supporting documentation and addendums dated <b>November 18, 2015</b>, which are hereby made a part of this permit.</li> <li>2. Permit Conditions Relating to Sewerage are attached and made part of this permit.</li> </ol>		
<p>F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</p> <ol style="list-style-type: none"> <li>1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.</li> <li>2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.</li> <li>3. This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 <i>et seq.</i> Issuance of this permit shall not relieve the permittee of any responsibility under any other law.</li> </ol>		
<p>PERMIT ISSUED:  <u>November 20, 2015</u></p>	<p>BY:   TITLE: <b>Environmental Program Manager Northeast Regional Office</b></p>	





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

**PERMIT CONDITIONS RELATING TO SEWERAGE**  
For use in Water Quality Management Permits

(Check boxes that apply)

**General**

- 1. The Department of Environmental Protection (DEP) considers the licensed Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design.
- 2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
- 3. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1375, as amended.
- 4. The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along or across private property with full rights of ingress, egress and regress.
- 5. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
- 6. The approval of the plans, and the authority granted in this permit, if not specifically extended, shall cease and be null and void 2 years from the issuance date of this permit unless construction or modification of the facilities covered by this permit has begun on or before the second anniversary of the permit date.
- 7. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
- 8. If, after the issuance of this permit, DEP approves a municipal sewage facilities official plan or an amendment to an official plan under Act 537 (Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended) in which sewage from the herein approved facilities will be treated and disposed of at other planned facilities, the permittee shall, upon notification from the municipality or DEP, provide for the conveyance of its sewage to the planned facilities, abandon use and decommission the herein approved facilities including the proper disposal of solids, and notify DEP accordingly. The permittee shall adhere to schedules in the approved official plan, amendments to the plan, or other agreements between the permittee and municipality. This permit shall then, upon notice from DEP, terminate and become null and void and shall be relinquished to DEP.
- 9. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
- 10. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to or over any lands which belong to the Commonwealth.
- 11. The authority granted by this permit is subject to all effluent requirements, monitoring requirements and other conditions as set forth in NPDES Permit No. PA0026492 and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

**Construction**

- 12. This permit is issued under the authorization of The Clean Streams Law and 25 Pa. Code Chapter 91. The permittee shall obtain all necessary permits, approvals and/or registrations under 25 Pa. Code Chapters 102, 105 and 106 prior to commencing construction of the facilities authorized by this permit, as applicable. The permittee should contact the DEP office that issued this permit if there are any questions concerning the applicability of additional permits.

- 13. The facilities shall be constructed under the supervision of a Pennsylvania licensed Professional Engineer in accordance with the approved reports, plans and specifications.
- 14. A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using "Post Construction Certification" form (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. As-built drawings, photographs (if available) and a description of all deviations from the application and design plans must be submitted to DEP within 30 days of certification.
- 15. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
- 16. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.

#### Operation and Maintenance

- 17. The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.
- 18. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
- 19. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
- 20. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
- 21. The sewerage facilities shall be properly operated and maintained to perform as designed.
- 22. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
- 23. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. §§1001, *et seq.* shall operate the sewage treatment plant.
- 24. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
- 25. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
- 26. All connections to the approved sanitary sewers must be in accordance with the official Act 537 Plan and, if applicable, a corrective action plan as contained in the approved Title 25 Pa. Code Chapter 94 Municipal Wasteload Management Annual Report.
- 27. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.



**WATER QUALITY MANAGEMENT  
 POST CONSTRUCTION CERTIFICATION**

**PERMITTEE IDENTIFIER**

Permittee	Scranton Sewer Authority
Municipality	Dunmore Borough
County	Lackawanna
WQM Permit No.	3515404
Facility Type	Sewage

**CERTIFICATION**

This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.

I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.

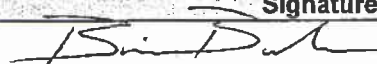

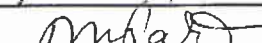
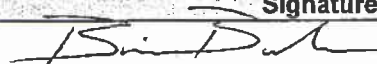

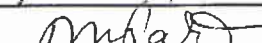
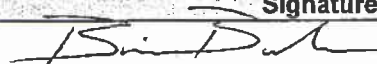

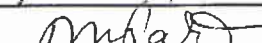
Construction Completion Date (MM/DD/YYYY): \_\_\_\_\_

	<b>Professional Engineer</b>
	Name _____ (Please Print or Type)
	Signature
	Date
	License Expiration Date
	Firm or Agency
	Telephone
	<b>Permittee or Authorized Representative</b>
	Name _____ (Please Print or Type)
	Signature
	Title
	Telephone



Application Type	<u>New</u>	<b>WATER QUALITY MANAGEMENT PERMIT INTERNAL REVIEW AND RECOMMENDATIONS</b>	Application No.	<u>3515404</u>
Facility Type	<u>Sewage Treatment Plant</u>		APS ID	<u>881731</u>
WQM Type			Authorization ID	<u>1091964</u>

Applicant and Facility Information			
Applicant Name	<u>Scranton Sewer Authority</u>	Facility Name	<u>Drinker St. CSO #65 Off-Line Storage Conduit</u>
Applicant Address	<u>312 Adams Avenue Scranton, PA 18503</u>	Facility Location	<u>41° 24' 56.56" -75° 36' 31.90" Scranton, PA</u>
Applicant Contact	<u>Eugene Barrett</u>	Facility Contact	<u>Richard Harrison</u>
Applicant Phone	<u>(570) 348-5330</u>	Facility Phone	<u>(570) 348-5330</u>
Client ID	<u>86002</u>	Site ID	<u>256598</u>
SIC Code	<u>4952</u>	Municipality	<u>Dunmore Borough</u>
SIC Description	<u>Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Lackawanna</u>
Purpose of Application	<u>Construction and operation of an off-line storage conduit at CSO #65.</u>		

Internal Review and Recommendations																					
<p>The applicant is requesting a Water Quality Management (WQM) permit for the construction and operation of an off-line 30,000 gallon storage/conveyance conduit to capture overflow from the existing Drinker Street CSO #65 regulator. This project is required by a federal consent decree and is on the phase B priority list.</p> <p>From the existing regulator, flow is directed to either an 8-inch sanitary line that connects to the 12-inch sanitary line flowing to the west along Erie Street at MH D47, or to an 18-inch overflow line that discharges directly to Little Roaring Brook. For this project, flow from the overflow line will be directed to a precast concrete diversion chamber. From the chamber, flow will be directed to the storage conduit. The storage conduit consists of two side-by-side 55-foot sections of 84-inch diameter SRPE (steel-reinforced polyethylene) pipe. In the event the storage conduit reaches its capacity during a large rain event, a 60° V-notch overflow weir in the diversion chamber will direct the excess flow through a new 5-foot diameter manhole and then directly to Little Roaring Brook via the existing 18-inch overflow line. Flows over the weir in the diversion chamber will be metered by an ultrasonic sensor.</p> <p>A remotely-controlled pinch valve at the outlet end of the storage conduit will be opened to discharge the captured flow when there is sufficient capacity in the downstream sanitary lines. Discharged flow from the conduit will be metered by an electromagnetic flow sensor before connecting to the existing 12-inch sanitary line at a new 4-foot diameter manhole, located approximately 35 feet downstream of MH D47.</p> <p>With regards to the EPA CSO Guidance for Nine Minimum Controls (EPA 832-B-95-003, May 1995), this project:</p> <ol style="list-style-type: none"> <li>a. Maximizes use of the collection system for storage</li> <li>b. Maximizes flow to the POTW for treatment</li> <li>c. Will help eliminate CSOs during dry weather</li> <li>d. Provides monitoring to effectively characterize CSO impacts and the efficacy of CSO controls</li> <li>e. Allows for proper operation and regular maintenance for the sewer system and CSO outfalls</li> </ol> <p>There are no open violations for the client that would warrant withholding the issuance of this permit. Recommend approval.</p>																					
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Approve</th> <th style="width: 10%;">Return</th> <th style="width: 10%;">Deny</th> <th style="width: 50%;">Signatures</th> <th style="width: 20%;">Date</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">X</td> <td></td> <td></td> <td> Brian Burden, E.I.T. / Environmental Engineering Specialist</td> <td style="text-align: center;">November 20, 2015</td> </tr> <tr> <td style="text-align: center;">X</td> <td></td> <td></td> <td> Amy M. Bellanca, P.E. / Environmental Engineer Manager</td> <td style="text-align: center;">November 20, 2015</td> </tr> <tr> <td style="text-align: center;">X</td> <td></td> <td></td> <td> Bharat Patel, P.E. / Environmental Program Manager</td> <td style="text-align: center;">November 20, 2015</td> </tr> </tbody> </table>	Approve	Return	Deny	Signatures	Date	X			 Brian Burden, E.I.T. / Environmental Engineering Specialist	November 20, 2015	X			 Amy M. Bellanca, P.E. / Environmental Engineer Manager	November 20, 2015	X			 Bharat Patel, P.E. / Environmental Program Manager	November 20, 2015
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X			 Bharat Patel, P.E. / Environmental Program Manager	November 20, 2015																	





**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

**CERTIFIED MAIL NO. 7014 0150 0002 1674 9157**

January 29, 2015

Richard Harrison  
Scranton Sewer Authority  
312 Adams Avenue  
Scranton, PA 18503

Re: WQM Permit - Sewage  
Scranton Sewer Authority  
Permit No. 3514401  
Authorization ID No. 1054045  
Scranton City, Lackawanna County

Dear Mr. Harrison:

Your Water Quality Management (WQM) permit is enclosed. You must comply with all Standard and Special Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Please note that you are responsible for securing all other required permits, approvals and/or registrations associated with the project, if applicable, under Chapters 102 (erosion and sedimentation control), 105 (stream obstructions and encroachments) and 106 (floodplains) of DEP's regulations. Construction may not proceed until all other required permits have been obtained.

Enclosed is the "Water Quality Management Post Construction Certification" form. A Pennsylvania-registered Professional Engineer must sign and complete this form prior to startup of the facilities. You or your authorized representative must also sign the form. This certification and other post-construction documentation must be submitted to DEP within 30 days of completion of the project and must be received by DEP prior to commencing operation of the facilities.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717.787.3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800.654.5984. Appeals

Mr. Richard Harrison

- 2 -

must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717.787.3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

**IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.**

**IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717.787.3483) FOR MORE INFORMATION.**

During construction or upon completing construction, please contact Bernard Feist, P.E. at 570.830.3088 or [bfeist@pa.gov](mailto:bfeist@pa.gov) so that an inspection of the facilities may be conducted, at DEP's discretion.

Sincerely,



Michael J. Brunamonti, P.E.  
Environmental Program Manager  
Clean Water Program

Enclosures

cc:

Jim Lloyd, PE | Hazen and Sawyer

Mr. Richard Harrison

- 3 -

bcc : Monitoring & Compliance Section

Bernard Feist, P.E.

File



## WATER QUALITY MANAGEMENT PERMIT

<p>A. PERMITTEE (Name and Address): <span style="float: right;">CLIENT ID#: 86002</span>  <b>Scranton Sewer Authority</b>                  312 Adams Avenue                  Scranton, PA 18503</p>	<p>B. PROJECT/FACILITY (Name):  <b>Scranton Sewer Authority</b>  <b>Combined Detention Basin for CSO's 19 and 20</b></p>	
<p>C. LOCATION (Municipality, County): <span style="float: right;">SITE ID#: 256598</span>  <b>Scranton City, Lackawanna County</b></p>		
<p>D. This Permit approves the Construction and Operation of sewage facilities consisting of:                  A 1.2 million gallon combined sewer overflow (CSO) off-line detention basin for Scranton's existing (combined sewage overflow) CSO's #19 and #20. This basin will temporarily store CSO during extreme rainfall events, allowing subsequent treatment at the Scranton City Sewer Authority's wastewater Treatment Plant. It is gravity feed and discharged.</p>		
<p>Pump Stations: <u>na</u>                  Design Capacity: _____ GPM</p>	<p>Manure Storage: <u>na</u>                  Volume: _____ MG                  Freeboard: _____ inches</p>	<p>Sewage Treatment Facility: <u>na</u>                  Annual Average Flow: _____ MGD                  Design Hydraulic Capacity: _____ MGD                  Design Organic Capacity: _____ lb/day</p>
<p>E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:</p> <ol style="list-style-type: none"> <li><b>New Permits:</b> All construction, operations and procedures shall be in accordance with the Water Quality Management Permit application dated <b>December 8, 2014</b>, its supporting documentation and addendums dated <b>December 23, 2014</b>, which are hereby made a part of this permit.</li> <li>Permit Conditions Relating to Sewerage are attached and made part of this permit.</li> </ol>		
<p>F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</p> <ol style="list-style-type: none"> <li>If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.</li> <li>Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.</li> <li>This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 <i>et seq.</i> Issuance of this permit shall not relieve the permittee of any responsibility under any other law.</li> </ol>		
<p>PERMIT ISSUED:   <u>January 29, 2015</u></p>	<p>BY:                   Michael J. Brunamonti, P.E.                  TITLE: <b>Clean Water Program Manager                  Northeast Regional Office</b></p>	





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

**PERMIT CONDITIONS RELATING TO SEWERAGE**  
For use in Water Quality Management Permits

(Check boxes that apply)

**General**

- 1. The Department of Environmental Protection (DEP) considers the licensed Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design.
- 2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
- 3. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1375, as amended.
- 4. The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along or across private property with full rights of ingress, egress and regress.
- 5. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
- 6. The approval of the plans, and the authority granted in this permit, if not specifically extended, shall cease and be null and void 2 years from the issuance date of this permit unless construction or modification of the facilities covered by this permit has begun on or before the second anniversary of the permit date.
- 7. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
- 8. If, after the issuance of this permit, DEP approves a municipal sewage facilities official plan or an amendment to an official plan under Act 537 (Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended) in which sewage from the herein approved facilities will be treated and disposed of at other planned facilities, the permittee shall, upon notification from the municipality or DEP, provide for the conveyance of its sewage to the planned facilities, abandon use and decommission the herein approved facilities including the proper disposal of solids, and notify DEP accordingly. The permittee shall adhere to schedules in the approved official plan, amendments to the plan, or other agreements between the permittee and municipality. This permit shall then, upon notice from DEP, terminate and become null and void and shall be relinquished to DEP.
- 9. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
- 10. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to or over any lands which belong to the Commonwealth.
- 11. The authority granted by this permit is subject to all effluent requirements, monitoring requirements and other conditions as set forth in NPDES Permit No. PA0026492 and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

**Construction**

- 12. This permit is issued under the authorization of The Clean Streams Law and 25 Pa. Code Chapter 91. The permittee shall obtain all necessary permits, approvals and/or registrations under 25 Pa. Code Chapters 102, 105 and 106 prior to commencing construction of the facilities authorized by this permit, as applicable. The permittee should contact the DEP office that issued this permit if there are any questions concerning the applicability of additional permits.

- 13. The facilities shall be constructed under the supervision of a Pennsylvania licensed Professional Engineer in accordance with the approved reports, plans and specifications.
- 14. A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using "Post Construction Certification" form (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. As-built drawings, photographs (if available) and a description of all deviations from the application and design plans must be submitted to DEP within 30 days of certification.
- 15. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
- 16. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.

#### Operation and Maintenance

- 17. The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.
- 18. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
- 19. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
- 20. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
- 21. The sewerage facilities shall be properly operated and maintained to perform as designed.
- 22. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
- 23. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. §§1001, *et seq.* shall operate the sewage treatment plant.
- 24. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
- 25. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
- 26. All connections to the approved sanitary sewers must be in accordance with the official Act 537 Plan and, if applicable, a corrective action plan as contained in the approved Title 25 Pa. Code Chapter 94 Municipal Wasteload Management Annual Report.
- 27. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.



**WATER QUALITY MANAGEMENT  
POST CONSTRUCTION CERTIFICATION**

<b>PERMITTEE IDENTIFIER</b>	
Permittee	Scranton Sewer Authority
Municipality	Scranton City
County	Lackawanna
WQM Permit No.	3514401
Facility Type	Sewage

**All of the above information should be taken directly from the Water Quality Management Permit.**

**CERTIFICATION**

This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.

I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.

Construction Completion Date (MM/DD/YYYY): \_\_\_\_\_

	<b>Professional Engineer</b>
	Name _____ (Please Print or Type)
	Signature _____
	Date _____
	License Expiration Date _____
	Firm or Agency _____
	Telephone _____
	<b>Permittee or Authorized Representative</b>
	Name _____ (Please Print or Type)
	Signature _____
	Title _____
	Telephone _____



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

August 24, 2015

**CERTIFIED MAIL NO. 7015 1520 0003 1009 7834**

Eugene Barrett  
Scranton City Sewer Authority  
312 Adams Avenue  
Scranton, PA 18503

Re: WQM Permit - Sewage  
CSO #81 Pittston-Brook Storage Pipe  
Permit No. 3515402  
Authorization ID No. 1069810  
Scranton City, Lackawanna County

Dear Mr. Barrett:

Your Water Quality Management (WQM) permit is enclosed. You must comply with all Standard and Special Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Please note that you are responsible for securing all other required permits, approvals and/or registrations associated with the project, if applicable, under Chapters 102 (erosion and sedimentation control), 105 (stream obstructions and encroachments) and 106 (floodplains) of DEP's regulations. Construction may not proceed until all other required permits have been obtained.

Enclosed is the "Water Quality Management Post Construction Certification" form. A Pennsylvania-registered Professional Engineer must sign and complete this form prior to startup of the facilities. You or your authorized representative must also sign the form. This certification and other post-construction documentation must be submitted to DEP within 30 days of completion of the project and must be received by DEP prior to commencing operation of the facilities.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717.787.3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800.654.5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The



Mr. Eugene Barrett

- 2 -

August 24, 2015

appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717.787.3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717.787.3483) FOR MORE INFORMATION.

During construction or upon completing construction, please contact James D. Berger, P.E. at 570.826.2308 or [jaberger@pa.gov](mailto:jaberger@pa.gov) so that an inspection of the facilities may be conducted, at DEP's discretion.

Sincerely,



Michael Bedrin  
Regional Director  
Clean Water Program

Enclosures

cc: US EPA  
Reilly Associates  
Richard Harrison (SSA)  
DEP Monitoring & Compliance  
DEP File



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

**WATER QUALITY MANAGEMENT  
PERMIT**

PERMIT NO. 3515402

AMENDMENT NO. \_\_\_\_\_

APS ID. 868705

AUTH. ID. 1069810

<p>A. PERMITTEE (Name and Address): Scranton City Sewer Authority 312 Adams Avenue Scranton, PA 18503</p>	<p>CLIENT ID#: 86002</p>	<p>B. PROJECT/FACILITY (Name): CSO #81 Pittston-Brook Storage Pipe</p>
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<p>C. LOCATION (Municipality, County): Scranton City, Lackawanna County</p>	<p>SITE ID#: 256598</p>
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D. This permit approves the construction and operation of sewage facilities consisting of: **The 81,000 gallon minimum capacity CSO Pipeline Storage Pipe Structure (offline pipe storage to be located under Brook Street travel lane between Pittston Avenue and Cedar Avenue) & related construction:**

**New Manholes:** ~3 new Manholes MH S277b (5-foot diameter); MH S277a; MH275a

**Piping:**

- **MH277b to MHS277a:** ~40.8 LF 24-inch HDPE pipe or equivalent
- **MHS277a to CSO Storage Pipe Structure:** ~20.4 LF 24-inch HDPE pipe or equivalent
- **CSO Storage Pipe Structure to Concrete Vault (a.k.a. MH S275b):** ~10.3 LF 12-Inch Class 52 DIP or equivalent
- **Concrete Vault to MH275a:** ~75 LF of 12-Inch Class 52 DIP or equivalent

**CSO Storage Structure:** ~138 LF 120-inch diameter Steel Reinforced Polyethylene Pipe (SRPE) at ~11.58% slope, rated at 30 PSI, nominal 0.118" wall thickness with engineered bulkheads and two access manhole/riser pipes (30-inch with flanged inner cover and 48-inch, with 4-inch vent line to offroad air vent). All SRPE Pipe will have a continuous smooth inside surface and 0.5-inch thick HDPE splash pad welded to pipe at CSO drop inlet area. Pipe joints will be welded. Equivalent Fiberglass-reinforced pipe (FRP) may be used if certified to be equivalent in the construction certification.

**Concrete Valve/Flowmeter Vault (a.k.a. Manhole MH S275b):** 6-foot by 9-foot Concrete Valve Vault with 30-inch diameter access and:

- 4-inch PVC underdrain pipe or equivalent, with 4-inch ball valve, to French drain
- 12-inch automated pinch control valve
- Magnetic Flow Meter
- Pressure Transducer

<p>Pump Stations: <u>NA</u> Design Capacity: _____ GPM</p>	<p>Manure Storage: <u>NA</u> Volume: _____ MG Freeboard: _____ inches</p>	<p>Sewage Treatment Facility: <u>NA</u> Annual Average Flow: _____ MGD Design Hydraulic Capacity: _____ MGD Design Organic Capacity: _____ lb/day</p>
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E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:

1. **New Permits:** All construction, operations and procedures shall be in accordance with the Water Quality Management Permit application dated **April 9, 2015**, its supporting documentation and addendums dated **May 1, 2014; June 17, 2015; July 29, 2015; August 3, 2015**, which are hereby made a part of this permit.  
documentation and addendums are also made part of this transfer.
2. Permit Conditions Relating to Sewerage are attached and made part of this permit.
3. Special Conditions **A, B, and C** are attached and made part of this permit.

F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:

1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.
2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.
3. This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 et seq. Issuance of this permit shall not relieve the permittee of any responsibility under any other law.

<p>PERMIT ISSUED:  <u>August 24, 2015</u></p>	<p>BY: <u>Michael Bedrin</u> Michael Bedrin Regional Director Northeast Regional Office</p> <p>TITLE:</p>
---	---



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

**PERMIT CONDITIONS RELATING TO SEWERAGE**  
For use in Water Quality Management Permits

(Check boxes that apply)

**General**

- 1. The Department of Environmental Protection (DEP) considers the licensed Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design.
- 2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
- 3. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1375, as amended.
- 4. The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along or across private property with full rights of ingress, egress and regress.
- 5. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
- 6. The approval of the plans, and the authority granted in this permit, if not specifically extended, shall cease and be null and void 2 years from the issuance date of this permit unless construction or modification of the facilities covered by this permit has begun on or before the second anniversary of the permit date.
- 7. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
- 8. If, after the issuance of this permit, DEP approves a municipal sewage facilities official plan or an amendment to an official plan under Act 537 (Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended) in which sewage from the herein approved facilities will be treated and disposed of at other planned facilities, the permittee shall, upon notification from the municipality or DEP, provide for the conveyance of its sewage to the planned facilities, abandon use and decommission the herein approved facilities including the proper disposal of solids, and notify DEP accordingly. The permittee shall adhere to schedules in the approved official plan, amendments to the plan, or other agreements between the permittee and municipality. This permit shall then, upon notice from DEP, terminate and become null and void and shall be relinquished to DEP.
- 9. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
- 10. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to or over any lands which belong to the Commonwealth.
- 11. The authority granted by this permit is subject to all effluent requirements, monitoring requirements and other conditions as set forth in NPDES Permit No. **PA0026492** and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

**Construction**

- 12. This permit is issued under the authorization of The Clean Streams Law and 25 Pa. Code Chapter 91. The permittee shall obtain all necessary permits, approvals and/or registrations under 25 Pa. Code Chapters 102, 105 and 106 prior to commencing construction of the facilities authorized by this permit, as applicable. The permittee should contact the DEP office that issued this permit if there are any questions concerning the applicability of additional permits.

- 13. The facilities shall be constructed under the supervision of a Pennsylvania licensed Professional Engineer in accordance with the approved reports, plans and specifications.
- 14. A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using "Post Construction Certification" form (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. As-built drawings, photographs (if available) and a description of all deviations from the application and design plans must be submitted to DEP within 30 days of certification.
- 15. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
- 16. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.

#### Operation and Maintenance

- 17. The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.
- 18. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
- 19. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
- 20. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
- 21. The sewerage facilities shall be properly operated and maintained to perform as designed.
- 22. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
- 23. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. §§1001, *et seq.* shall operate the sewage treatment plant.
- 24. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
- 25. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
- 26. All connections to the approved sanitary sewers must be in accordance with the official Act 537 Plan and, if applicable, a corrective action plan as contained in the approved Title 25 Pa. Code Chapter 94 Municipal Wasteload Management Annual Report.
- 27. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**SPECIAL CONDITIONS**

Water Quality Management Permit No. 3515402

Scranton City Sewer Authority

- A. Combined Sewer Overflow (CSO) Long Term Control Plan (LTCP) Post Construction Monitoring: Prior to placing the CSO Storage Structure into use:
1. The permittee will update its Operation & Maintenance Plan to include periodic inspections of the CSO Storage Pipe Riser Pipes for potential for discharge to the public streets, in addition to other operational/maintenance requirements.
- B. Concrete Valve/Meter Vault Underdrain: The permittee will verify that sewage is not present within the manhole prior to discharging to the French Drain.
- C. CSO Bulkhead Design: The permittee engineer will certify adequacy of CSO Storage Pipe bulkhead design as part of Construction Certification submittal.



**WATER QUALITY MANAGEMENT  
 POST CONSTRUCTION CERTIFICATION**

**PERMITTEE IDENTIFIER**

Permittee	Scranton City Sewer Authority
Municipality	Scranton City
County	Lackawanna
WQM Permit No.	3515402 (CSO #81 Pittston-Brook Storage Pipe & related)
Facility Type	Sewage

**All of the above information should be taken directly from the Water Quality Management Permit.**

**CERTIFICATION**

This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.

I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.

Construction Completion Date (MM/DD/YYYY): \_\_\_\_\_

	<b>Professional Engineer</b>
	Name _____ (Please Print or Type)
	Signature _____
	Date _____
	License Expiration Date _____
	Firm or Agency _____
	Telephone _____
	<b>Permittee or Authorized Representative</b>
	Name _____ (Please Print or Type)
	Signature _____
	Title _____
	Telephone _____



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

March 7, 2016

Eugene Barrett  
Scranton City Sewer Authority  
312 Adams Avenue  
Scranton, PA 18503

Re: WQM Permit - Sewage  
Scranton Sewer Authority Treatment Plant  
Shawnee Ave's CSO #078  
Permit No. 3516401  
Authorization ID No. 1103439  
Scranton City, Lackawanna County

Dear Mr. Barrett:

Your Water Quality Management (WQM) permit has a typo. The correct Permit number is 351601 not 351401 please replace with this corrected version.

If you have any questions please contact me at 570.830.3088 or [bfeist@pa.gov](mailto:bfeist@pa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "B. Feist".

Bernard Feist, P.E.  
Environmental Engineer  
Clean Water Program

Enclosures

cc: Greenman-Pedersen Inc.

Monitoring & Compliance Section

Bernard Feist, P.E.

File



## WATER QUALITY MANAGEMENT PERMIT

<p>A. PERMITTEE (Name and Address):  <b>Scranton City Sewer Authority</b>  <b>312 Adams Avenue</b>  <b>Scranton, PA 18503</b></p>	<p>CLIENT ID#: <b>86002</b></p>	<p>B. PROJECT/FACILITY (Name):  <b>Scranton Sewer Authority CSO 078 - Shawnee Ave</b></p>
<p>C. LOCATION (Municipality, County):  <b>Scranton City, Lackawanna County</b></p>		<p>SITE ID#: <b>256598</b></p>
<p>D. This Permit approves the construction and modification of industrial wastewater facilities consisting of:  <b>The modification of Shawnee Ave's combined sewer overflow system (CSO #078) by the installation of 180 LF of 48" diameter steel reinforced polyethylene pipe as a flow equalization structure, connected to a new manhole with a 12" orifice outlet control.</b></p>		
<p>Pump Stations: <u>na</u>  Design Capacity: _____ GPM</p>	<p>Manure Storage:  Volume: <u>na</u> MG  Freeboard: _____ inches</p>	<p>Industrial Wastewater Treatment Facility:  Annual Average Flow: <u>na</u> MGD  Design Hydraulic Capacity: _____ MGD  Design Organic Capacity: _____ lb/day</p>
<p>E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:</p> <ol style="list-style-type: none"> <li>1. <b>New Permits:</b> All construction, operations and procedures shall be in accordance with the Water Quality Management Permit application dated <b>January 4, 2016</b>, its supporting documentation and addendums dated <b>December 11, 2015</b>, which are hereby made a part of this permit.</li> <li>2. Permit Conditions Relating to Industrial Wastewater are attached and made part of this permit.</li> <li>3. Special Conditions numbered <b>A.1 and A.2</b> are attached and made part of this permit.</li> </ol>		
<p>F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</p> <ol style="list-style-type: none"> <li>1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.</li> <li>2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.</li> <li>3. This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 et seq. Issuance of this permit shall not relieve the permittee of any responsibility under any other law.</li> <li>4. This permit shall expire on <b>February 21, 2021</b>. The permittee shall submit an application to renew the permit no later than 180 days prior to the permit expiration date.</li> </ol>		
<p>PERMIT ISSUED:  <b>February 22, 2016</b></p>	<p>BY: _____  <b>Bharat Patel P.E.</b>  TITLE: <b>Environmental Program Manager</b>  <b>Clean Water Program</b></p>	





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

**PERMIT CONDITIONS RELATING TO INDUSTRIAL WASTEWATER**  
For use in Water Quality Management Permits

(Check boxes that apply)

**General**

- 1. DEP considers the licensed Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design.
- 2. All relevant and non-superseded conditions of any prior Water Quality Management Permits, decrees or orders issued to the permittee or his predecessor shall be continued in full force and effect and together with the provisions of this permit shall apply to his successors, lessees, heirs and assigns.
- 3. The responsibility for implementing the conditions of this permit shall rest upon the owner, lessee, assignee or other party in responsible managerial charge of the operation producing the wastewaters and waste treatment facilities. Transfer of a permit to a new owner shall not be effective until said transfer has been executed and filed on forms provided by DEP and DEP approved the transfer.
- 4. The permittee shall secure any necessary permission from the proper federal authority for any outfall or industrial waste treatment structure which discharges into or enters navigable waters and shall obtain a separate permit for any stream crossing, encroachment or change of natural stream conditions within the jurisdiction of DEP.
- 5. When construction of the approved facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
- 6. The approval of the plans, and the authority granted in this permit, if not specifically extended, shall cease and be null and void 5 years from the issuance date of this permit unless construction or modification of the facilities covered by this permit has begun on or before the fifth anniversary of the permit date.
- 7. The authority granted by this permit is subject to all effluent requirements, monitoring requirements and other conditions as set forth in NPDES Permit No. **PA0026492** and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.
- 8. Nothing herein shall be construed to be an intent on the part of DEP to approve any present or future act by the permittee, inconsistent with the permittee's lawful powers or with existing laws of this Commonwealth regulating industrial wastes and the practice of professional engineering. This permit shall not be construed to sanction any act otherwise forbidden by any of the laws of the Commonwealth of Pennsylvania or of the United States.

**Construction**

- 9. This permit is issued under the authorization of The Clean Streams Law and 25 Pa. Code Chapter 91. The permittee shall obtain all necessary permits, approvals and/or registrations under 25 Pa. Code Chapters 102, 105 and 106 prior to commencing construction of the facilities authorized by this permit, as applicable. The permittee should contact the DEP office that issued this permit if there are any questions concerning the applicability of additional permits.
- 10. The facilities shall be constructed under expert engineering supervision and competent inspection, in accordance with plans, designs and other data as herein approved or amended and with the conditions of this permit.
- 11. A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using the "Post Construction Certification" form (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. As-built drawings, photographs (if available) and a description of all deviations from the application and design plans must be submitted to DEP within 30 days of certification.

- 12. The DEP office that issued this permit must be contacted during construction if significant changes are proposed to the approved facilities. Significant changes include, but are not limited to changes to the type(s) of process(es) used for treatment and changes to the design capacities of tanks, impoundments, and conveyance structures or equipment by more than 5% of the original design. For projects involving PENNVEST funding, all changes should be discussed with the DEP project manager prior to implementation. DEP may require the submission of an application to amend this permit. All changes shall be documented in an attachment to the Post Construction Certification form.
- 13. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the local Waterways Conservation Officer must be notified when explosives are to be used.

**Operation and Maintenance**

- 14. If at any time the industrial waste treatment facility, or the discharge of the effluent creates a public nuisance, or such discharge is causing or contributing to pollution of the waters of this Commonwealth, the permittee shall immediately adopt remedial measures acceptable to DEP.
- 15. The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.
- 16. To ensure operational efficiency and protect the waters of this Commonwealth, the permittee shall maintain skilled operators at all times.
- 17. No stormwater, sewage or other industrial wastes not specifically approved herein shall be admitted to the facilities for which this permit is issued.
- 18. These industrial waste treatment facilities shall be operated and maintained to perform as designed. In order to ensure the efficiency and proper maintenance of the treatment facilities, the permittee shall make periodic inspections to detect any impairment of structural stability, adequate capacity or other requisites which might impair the effectiveness of the approved facilities.
- 19. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code Chapters 287, 288, 291, 297 and 299 (related to permits and requirements for land filling, land application, incineration and storage of industrial sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**SPECIAL CONDITIONS**  
Water Quality Management Permit No. 3516401  
Scranton City Sewer Authority Lackawanna County

A. Testing Special Conditions – this project must meet or exceed the Pennsylvania Department of Environmental Protections' Domestic Wastewater Facilities Manual specifications for:

1. Manhole testing - Section 26.6
2. Pipe leakage testing - Section 25.92



COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

**WATER QUALITY MANAGEMENT  
 POST CONSTRUCTION CERTIFICATION**

PERMITTEE IDENTIFIER	
Permittee	Scranton City Sewer Authority Lackawanna County
Municipality	Scranton City
County	Lackawanna
WQM Permit No.	3516401
Facility Type	Industrial Waste
<b>All of the above information should be taken directly from the Water Quality Management Permit.</b>	
CERTIFICATION	
<p>This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.</p>	
<p>I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.</p>	
Construction Completion Date (MM/DD/YYYY): _____	
	<b>Professional Engineer</b>
	Name _____ (Please Print or Type)
	Signature _____
	Date _____
	License Expiration Date _____
	Firm or Agency _____
	Telephone _____
	<b>Permittee or Authorized Representative</b>
	Name _____ (Please Print or Type)
	Signature _____
	Title _____
	Telephone _____