



**AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM  
DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER  
FACILITIES**

**NPDES PERMIT NO: PA0055174**

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.*,

**Buckeye Pipe Line Company, LP  
5002 Buckeye Road  
PO Box 368  
Emmaus, PA 18049-368**

is authorized to discharge from a facility known as **Buckeye Pipe Line Company, LP**, located at **5131 Buckeye Road, Macungie, PA 18062** in **Lower Macungie Township & Upper Milford Township, Lehigh County**, to **Unnamed Tributary #03580 to Swabia Creek** in Watershed(s) **2-C** 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 April 1, 2012**

**THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON March 31, 2017**

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 March 30, 2012**

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

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

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

I. A. For Outfall 001, Latitude 40° 31' 14.00", Longitude 75° 32' 27.00", River Mile Index \_\_\_\_\_, Stream Code 03580

**Discharging to Unnamed Tributary to Swabia Creek**

which receives wastewater from Uncontaminated stormwater runoff

1. The permittee is authorized to discharge during the period from April 1, 2012 through March 31, 2017.
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		Minimum	Average	Maximum	Instant. Maximum		
Oil and Grease	XXX	XXX	XXX	15.0	30.0	XXX	1/6 months	Grab
TRPH	XXX	XXX	XXX	15.0	30.0	XXX	1/6 months	Grab
Gasoline Range Organics	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Diesel Range Organics	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab

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

at Outfall 001

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

I. B. For Outfall 002, Latitude 40° 31' 9.00", Longitude 75° 32' 25.00", River Mile Index \_\_\_\_\_, Stream Code 03580

**Discharging to Unnamed Tributary to Swabia Creek**

which receives wastewater from Uncontaminated stormwater runoff

1. The permittee is authorized to discharge during the period from April 1, 2012 through March 31, 2017.
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		Minimum	Average	Maximum	Instant. Maximum		
Oil and Grease	XXX	XXX	XXX	15.0	30.0	XXX	1/6 months	Grab
TRPH	XXX	XXX	XXX	15.0	30.0	XXX	1/6 months	Grab
Gasoline Range Organics	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Diesel Range Organics	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab

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

at Outfall 002

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

I. C. For Outfall 003, Latitude 40° 30' 54.00", Longitude 75° 32' 14.00", River Mile Index \_\_\_\_\_, Stream Code 03580

**Discharging to Unnamed Tributary to Swabia Creek**

which receives wastewater from Uncontaminated stormwater runoff

1. The permittee is authorized to discharge during the period from April 1, 2012 through March 31, 2017.
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		Minimum	Average	Maximum	Instant. Maximum		
Oil and Grease	XXX	XXX	XXX	15.0	30.0	XXX	1/6 months	Grab
TRPH	XXX	XXX	XXX	15.0	30.0	XXX	1/6 months	Grab
Gasoline Range Organics	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Diesel Range Organics	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab

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

at Outfall 003

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

I. D. For Outfall 101, Latitude 40° 31' 6.58", Longitude 75° 31' 48.17", River Mile Index \_\_\_\_\_, Stream Code 03580

**Discharging to Unnamed Tributary to Swabia Creek**

which receives wastewater from Groundwater treatment system

1. The permittee is authorized to discharge during the period from April 1, 2012 through March 31, 2017.
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		Minimum	Average Monthly		Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	2/month	Measured
pH	XXX	XXX	6.0	XXX	XXX	9.0	2/month	Grab
Total Suspended Solids	XXX	XXX	XXX	30.0	XXX	75.0	2/month	Grab
Oil and Grease	XXX	XXX	XXX	15.0	XXX	30.0	2/month	Grab
Dissolved Iron	XXX	XXX	XXX	XXX	XXX	7.0	2/month	Grab
Ethylbenzene	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab
Benzene	XXX	XXX	XXX	0.001	XXX	0.0025	2/month	Grab
Total BTEX	XXX	XXX	XXX	0.1	XXX	0.25	2/month	Grab
Toluene	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab

**Outfall 101, Continued (from April 1, 2012 through March 31, 2017)**

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		Minimum	Average Monthly		Instant. Maximum		
Total Xylenes	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab
MTBE	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab
Napthalene	XXX	XXX	XXX	0.01	XXX	0.025	2/month	Grab
Fluorene	XXX	XXX	XXX	1.0	XXX	2.5	2/month	Grab
Cumene	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab
Pyrene	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab
Chrysene	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab
Phenanthrene	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab

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

at Outfall 101

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

I. E. For Outfall 103, Latitude 40° 31' 56.74", Longitude 75° 32' 56.20", River Mile Index \_\_\_\_\_, Stream Code 03580

**Discharging to Unnamed Tributary to Swabia Creek**

which receives wastewater from Groundwater treatment system

1. The permittee is authorized to discharge during the period from April 1, 2012 through March 31, 2017.
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		Minimum	Average Monthly		Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	2/month	Measured
pH	XXX	XXX	6.0	XXX	XXX	9.0	2/month	Grab
Total Suspended Solids	XXX	XXX	XXX	30.0	XXX	75.0	2/month	Grab
Oil and Grease	XXX	XXX	XXX	15.0	XXX	30.0	2/month	Grab
Dissolved Iron	XXX	XXX	XXX	XXX	XXX	7.0	2/month	Grab
Ethylbenzene	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab
Benzene	XXX	XXX	XXX	0.001	XXX	0.0025	2/month	Grab
Total BTEX	XXX	XXX	XXX	0.1	XXX	0.25	2/month	Grab
Toluene	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab

**Outfall 103, Continued (from April 1, 2012 through March 31, 2017)**

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		Minimum	Average Monthly		Instant. Maximum		
Total Xylenes	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab
MTBE	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab
Napthalene	XXX	XXX	XXX	0.01	XXX	0.025	2/month	Grab
Fluorene	XXX	XXX	XXX	1.0	XXX	2.5	2/month	Grab
Cumene	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab
Pyrene	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab
Chrysene	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab
Phenanthrene	XXX	XXX	XXX	Report	XXX	Report	2/month	Grab

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

at Outfall 103



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

I. F. For Outfall 201, Latitude 40° 31' 14.00", Longitude 75° 32' 27.00", River Mile Index \_\_\_\_\_, Stream Code 03580

**Discharging to Unnamed Tributary to Swabia Creek**

which receives wastewater from Hydrostatic testing of tanks or pipelines

1. The permittee is authorized to discharge during the period from April 1, 2012 through March 31, 2017.
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	Daily Maximum	Minimum	Average		Instant. Maximum		
Flow (GPM)	XXX	Report	XXX	XXX	XXX	XXX	2/discharge	Measured
Duration of Discharge (hours)	XXX	XXX	XXX	XXX	XXX	Report	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	2/discharge	Grab
Total Residual Chlorine*	XXX	XXX	XXX	Report	XXX	0.05	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	Report	XXX	60.0	2/discharge	Grab
Oil and Grease	XXX	XXX	XXX	Report	XXX	30.0	2/discharge	Grab
Dissolved Iron	XXX	XXX	XXX	Report	XXX	7.0	2/discharge	Grab
Ethylbenzene*	XXX	XXX	XXX	Report	XXX	Report	2/discharge	Grab

**Outfall 201, Continued (from April 1, 2012 through March 31, 2017)**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average		Instant. Maximum		
Benzene*	XXX	XXX	XXX	Report	XXX	0.0025	2/discharge	Grab
Total BTEX*	XXX	XXX	XXX	Report	XXX	0.25	2/discharge	Grab
Total PCBs (µg/L)*	XXX	XXX	XXX	Report	XXX	Report	2/discharge	Grab
Toluene*	XXX	XXX	XXX	Report	XXX	Report	2/discharge	Grab
Total Xylenes*	XXX	XXX	XXX	Report	XXX	Report	2/discharge	Grab

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

at Outfall 201. Sampling location at hydrostatic test location. \*See Part C.I.F.6.

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

I. G. For Outfall 203, Latitude 40° 30' 54.00", Longitude 75° 32' 14.00", River Mile Index \_\_\_\_\_, Stream Code 03580

**Discharging to Unnamed Tributary to Swabia Creek**

which receives wastewater from Hydrostatic testing of tanks or pipelines

1. The permittee is authorized to discharge during the period from April 1, 2012 through March 31, 2017.
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	Daily Maximum	Minimum	Average		Instant. Maximum		
Flow (GPM)	XXX	Report	XXX	XXX	XXX	XXX	2/discharge	Measured
Duration of Discharge (hours)	XXX	XXX	XXX	XXX	XXX	Report	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	2/discharge	Grab
Total Residual Chlorine*	XXX	XXX	XXX	Report	XXX	0.05	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	Report	XXX	60.0	2/discharge	Grab
Oil and Grease	XXX	XXX	XXX	Report	XXX	30.0	2/discharge	Grab
Dissolved Iron	XXX	XXX	XXX	Report	XXX	7.0	2/discharge	Grab
Ethylbenzene*	XXX	XXX	XXX	Report	XXX	Report	2/discharge	Grab

**Outfall 203, Continued (from April 1, 2012 through March 31, 2017)**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average		Instant. Maximum		
Benzene*	XXX	XXX	XXX	Report	XXX	0.0025	2/discharge	Grab
Total BTEX*	XXX	XXX	XXX	Report	XXX	0.25	2/discharge	Grab
Total PCBs (µg/L)*	XXX	XXX	XXX	Report	XXX	Report	2/discharge	Grab
Toluene*	XXX	XXX	XXX	Report	XXX	Report	2/discharge	Grab
Total Xylenes*	XXX	XXX	XXX	Report	XXX	Report	2/discharge	Grab

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

at Outfall 203. Sampling location at hydrostatic test location. \*See Part C.I.F.6.

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

Additional Requirements

The discharger may not discharge floating materials, scum, sheen, or substances that result in deposits in the receiving water. Except as provided for in the permit, the discharger may not discharge foam, oil, grease, or substances that produce an observable change in the color, taste, odor, or turbidity of the receiving water. 25 Pa. Code 92a.41(c)

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.

## 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).

**Chemical Additive** means the chemicals that are used to control corrosion, algae, slime, fouling, oxygen or other blow down discharges in systems within a facility that might be present in its wastewater discharge. Other chemicals that would be included in this category include by are not limited to polymers, water softeners, flocculants, coagulants, emulsion breakers, dispersants, other oxygen scavenger or possible known carcinogens.

**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 and 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. 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

**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.

**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.

**Non-contact Cooling Water** means water used to reduce temperature which does not come in direct contact with any raw material, intermediate product, waste product (other than heat), or finished product.

**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) & (xi) and 25 Pa. Code 92a.2.

**Total Dissolved Solids** means the total dissolved (filterable) solids as determined by use of the method specified in 40 CFR Part 136.

**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

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

#### A. Representative Sampling 40 CFR 122.4(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(i)(3)
- b. The permittee, or its designated laboratory, shall develop and implement a program to assure the quality and accurateness of the analyses performed to satisfy the requirements of this permit, in accordance with 40 CFR Part 136. 40 CFR 122.41(j)(4)

#### B. Reporting of Monitoring Results

1. The permittee shall effectively monitor the operation and efficiency of all wastewater treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this permit. 40 CFR 122.41(e) and 40 CFR 122.44(i)(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  
Water Management Program  
2 Public Square  
Wilkes-Barre, PA 18701-1915

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 Requirements

1. Planned Changes 40 CFR 122.41(l)(1) - The permittee shall give notice to DEP as soon as possible of any planned physical alterations or additions to the permitted facility. 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).
  - 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.
  - 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.

2. Anticipated Noncompliance

The permittee shall give advance notice to DEP of any planned changes in the permitted facility or activity that may result in noncompliance with permit requirements. 40 CFR 122.41(l)(2)

3. 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:

(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. Note see 40 CFR 122.44(g)

(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).

4. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraph C.3 of this section or specific requirements of compliance schedules, at the time DMRs are submitted. The reports shall contain the information listed in paragraph C.3.b. (ii) of this section. 40 CFR 122.41(l)(7)

D. Specific Toxic Pollutant Notification Levels (for Manufacturing, Commercial, Mining, and Silvicultural Direct Dischargers) - The permittee shall notify DEP as soon as it knows or has reason to believe the following: 40 CFR 122.42(a)

1. That any activity has occurred, or will occur, which would result in the discharge of any toxic pollutant which is not limited in this permit, if that discharge on a routine or frequent basis will exceed the highest of the following "notification levels." 40 CFR 122.42(a)(1)
  - a. One hundred micrograms per liter.
  - b. Two hundred micrograms per liter for acrolein and acrylonitrile.
  - c. Five hundred micrograms per liter for 2,4-dinitrophenol and 2-methyl-4,6-dinitrophenol.
  - d. One milligram per liter for antimony.
  - e. Five times the maximum concentration value reported for that pollutant in this permit application.
  - f. Any other notification level established by DEP.
2. That any activity has occurred or will occur which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following "notification levels": 40 CFR 122.42(a)(2)
  - a. Five hundred micrograms per liter.
  - b. One milligram per liter for antimony.
  - c. Ten times the maximum concentration value reported for that pollutant in the permit application.
  - d. Any other notification level established by DEP.

**PART B**

**I. MANAGEMENT REQUIREMENTS**

A. Compliance Schedules 25 Pa. Code 92a.51 and 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 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. Facility expansions, production increases, process modifications, or any change of wastestream, that may result in an increase of pollutants that have the potential to exceed ELGs or violate effluent limitations specified in the permit, or that may result in a new discharge, or a discharge of new or increased pollutants for which no effluent limitation has been issued, must be approved in writing by the Department before the permittee may commence the new or increased discharge, or change of wastestream. The Department will determine if a permittee will be required to submit a new permit application and obtain a new or amended permit before commencing the new or increased discharge, or change of wastestream. 25 Pa. Code 92a.24(a)

D. Proper Operation and Maintenance

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)

E. 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)

F. 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 F.4.a. and b. 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 F.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.3.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.3.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 92 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 has demonstrated that any noncompliance with the existing permits has been resolved by an appropriate compliance action or by the terms and conditions of the permit (including compliance schedules set forth in the permit), consistent with 25 Pa. Code 92a.51 (relating to schedules of compliance) and other appropriate 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 122.21(d)

#### 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 FEES

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

Minor IW Facility without ELG (Effluent Limitation Guideline)	\$500
Minor IW Facility with ELG	\$1,500
Major IW Facility < 250 MGD (million gallons per day)	\$5,000
Major IW Facility ≥ 250 MGD	\$25,000
IW Stormwater Individual Permit	\$1,000
CAAP (Concentrated Aquatic Animal Production Facility)	\$0

As of the effective date of this permit, the facility covered by the permit is classified in the following fee category: **Minor IW Facility without ELG.**

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 Water Standards and Facility Regulation  
Re: Chapter 92a Annual Fee  
P.O. Box 8466  
Harrisburg, PA 17105-8466



**PART C**

**I. OTHER REQUIREMENTS**

- A. Permit Transfer: If there is a change in ownership of this facility or in permittee name, an application for transfer of permit must be submitted to the Department.
- B. Outfall Flows (permit basis):
1. Outfall 001: Receives Outfalls 101 (groundwater treatment) and 201 (hydrostatic testing) flows (0.648 MGD combined wastewater) plus stormwater associated with industrial activities
  2. Outfall 002: Receives stormwater associated with industrial activities (no wastewater).
  3. Outfall 003: Receives Outfalls 103 (groundwater treatment) and 203 (hydrostatic testing) flows (0.936 MGD combined wastewater) plus stormwater associated with industrial activities.
  4. Outfall 101: Receives 0.072 MGD (groundwater treatment) flow.
  5. Outfall 103: Receives 0.360 MGD (groundwater treatment) flow.
  6. Outfall 201: Receives 0.576 MGD (hydrostatic testing flow) intermittently.
  7. Outfall 203: Receives 0.576 MGD (hydrostatic testing flow) intermittently.
- C. General PPC Plan: Preparedness, Prevention and Contingency Plans
1. Development of Plan  

Operators of facilities shall have developed a Preparedness, Prevention and Contingency (PPC) Plan in accordance with 25 Pa. Code § 91.34 and the "Guidelines for the Development and Implementation of Environmental Emergency Response Plans". The PPC Plan shall identify potential sources of pollution that may reasonably be expected to affect the quality of discharges from the facility. In addition, the PPC Plan shall describe the BMPs that are to be used to reduce the pollutants in stormwater discharges at the facility ensuring compliance with the terms and conditions of this permit.
  2. Non-Stormwater Discharges
    - a. The PPC Plan shall contain a certification that the discharge has been tested or evaluated for the presence of non-stormwater discharges. The certification shall include the identification of potential significant sources of non-storm water at the site, a description of the results of any test and/or evaluation for the presence of non-stormwater discharges, the evaluation criteria or testing methods used, the date of any testing and/or evaluation, and the on-site drainage points that were directly observed during the test. Such certification may not be feasible if the facility operating the stormwater discharge does not have access to an outfall, manhole, or other point of access to the ultimate conduit that receives the discharge. In such cases, the source identification section of the PPC Plan shall indicate why the certification was not feasible. A discharger that is unable to provide the certification must notify the Department within 180 days of the effective date of this permit.
    - b. Except for flows from fire fighting activities, sources of non-storm water listed in Part C.III.A.2. (authorized non-stormwater discharges) that are combined with stormwater discharges must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-stormwater component(s) of the discharge.
  3. Additional Requirements: See Part C.III (below).

D. Other Wastewater Discharges Associated with the Facility:

1. Tank Bottom Water

Tank bottom water is not amenable to treatment by an oil-water separator. There shall be no discharge of untreated, or inadequately treated, tank bottom water into diked areas or into the stormwater collection, treatment and discharge facilities. Tank bottom water which is periodically removed from storage tanks shall either: (1) be removed off-site to be disposed of in a manner consistent with the applicable laws of the Commonwealth of Pennsylvania; or (2) be treated on-site to remove petroleum products and other constituents to levels acceptable for on-site disposal. An amendment to this NPDES permit and/or a WQM permit may be required for on-site treatment/disposal of bottom water.

2. Other Wastewaters

The discharge of untreated, or inadequately treated, sewage, vehicle washing wastewater, boiler blowdown, or other waste materials to surface or groundwater is prohibited. A WQM permit and/or an amendment to this NPDES permit is required for on-site treatment/disposal of such wastes. Any such wastes removed off-site must be disposed of in accordance with the applicable laws of the Commonwealth of Pennsylvania.

E. Definitions:

1. "Petroleum" and "petroleum products" mean gasoline, diesel fuel, aviation fuel, fuel oils, additives, petroleum lubricants, solvents, asphalts, and related materials which are stored, used or handled on-site.
2. "Oil and Grease" refers to that parameter which is quantified using the attached EPA test method 1664a for water and wastewater.
3. "Product-contaminated stormwater runoff" means stormwater that has come into contact with petroleum or petroleum products due to precipitation falling on, or flowing across, product-associated areas.
4. "Product associated areas" means storage tanks, diked areas, immediate access roads, and product handling, packaging, loading and unloading areas where there is potential for leaks, and spills of petroleum products to occur.
5. "Tank bottom water" means water which accumulates at the bottom of petroleum product storage tanks as a result of either condensate from the stored product or precipitation/infiltration around the roof cover perimeter seals and roof drains of storage tanks.
6. "Diked area" means the area included within the protective diking around tank storage areas.
7. "Total recoverable petroleum hydrocarbons" refers to that parameter which is quantified using the EPA test method 1664 for water and wastewater.
8. "Gasoline Range Organics" is a measure of Volatile Petroleum Hydrocarbon (PHC) by gas chromatography using a flame ionization detector (GC-FID) developed for the American Petroleum Institute (API).
9. "Diesel Range Organics" is a measure of Extractable Petroleum Hydrocarbons by gas chromatography using a flame ionization detector (GC-FID) developed for the American Petroleum Institute (API).

F. Special Conditions for Discharge of Hydrostatic test water from tanks and pipelines:

1. The use of chlorinated water such as a municipal supply should be avoided as the source of the test water. If municipal water is to be used, the water must be retained in the tank or pipeline for at least 24 hours prior to discharge. If surface waters are used as the source of test water, the water withdrawn from the stream must be less than 25% of stream flow, and the discharge cannot increase the stream flow by more than 25%. The stream shall not be dewatered to the extent that downstream users, including aquatic life, are impacted during tank filling operations. When testing multiple tanks, the test water should be conveyed from the smallest tank to the largest tank adding water as needed, then drain the last tank in accordance with this approval.
2. All tanks must be thoroughly dry cleaned prior to hydrostatic testing to remove any contaminants to the maximum extent possible.
3. Water shall be discharged through an energy dissipator (bales of straw, geotech mesh, etc.) at a controlled rate to minimize erosion. The permittee shall comply with Chapter 102 of the Department's Rules and Regulations and the Department's Soil Erosion and Sedimentation Control Manual".
4. The discharge shall not contain any substances in concentration or amount sufficient to be harmful to water uses protected or to human, animal, plant, or aquatic life. The discharger is responsible for any impairment of water use that occurs as a result of this discharge. The Department reserves the right to require that the discharge be discontinued.
5. All water discharged must be properly directed so that it causes no nuisance conditions and does not pool or pond prior to reaching a surface water.
6. The discharge of hydrostatic test water from petroleum storage tanks/pipelines must comply with all effluent limitations and monitoring requirements.
  - a. One grab sample is to be collected at the beginning of the discharge and the second sample is to be collected at the midpoint of the discharge. The results of any single grab sample must comply with the instantaneous maximum limitation.
  - b. Total Residual Chlorine (TRC) limits/monitoring only apply if chlorinated water is used as a source of the test water.
  - c. The limits and monitoring requirements for benzene, ethylbenzene, toluene, xylenes and BETX do not apply to newly constructed tanks or pipelines which have not yet stored any product or raw material.
  - d. PCBs shall be "not detectable" using EPA 608-GC/ECD method.
7. The results of the effluent analyses required above, including all individual grab samples, must be summarized on the attached reporting form and submitted to the address in Part III.B.2 above within 30 days of the discharge. The permittee is required to notify the Department Regional Office and the Pennsylvania Fish Commission at least 30 days in advance of the discharge. This notification shall include schedule for test, identification of the tank and/or pipeline to be tested, and receiving outfalls (001, 201, 003, 203).
8. Sludges and other solids accumulated during these tests shall be handled and disposed in accordance with the Solid Waste Management Act, the Pennsylvania Residual Solid Waste regulations (25 Pa. Code Chapters 287 through 299), and the Federal Clean Water Act and its amendments.

**II. ADDITIONAL PETROLEUM STORAGE REQUIREMENTS**

A. Product-Contaminated Stormwater Runoff

1. In accordance with provisions of Title 25 Pa. Code Chapter 95, the petroleum storage/breakout tank farm shall be provided with facilities to remove petroleum products from product-contaminated stormwater runoff before discharging into the waters of the Commonwealth.

2. Petroleum Storage/Breakout Tank Farms shall:
  - a. Be provided with facilities to remove oil from waters, including stormwater runoff, before discharge into waters of this Commonwealth.
  - b. Develop, implement and keep up-to-date pollution incident prevention plans as described in Title 25 Pa. Code § 91.33 (relating to activities utilizing pollutants).
  - c. Design, maintain and utilize oil removal facilities that consist of an American Petroleum Institute (API) listed oil separator, unless the person operating the facility can demonstrate to DEP that an alternate design is equivalent or better in removing oil from water to maintain and protect the waters of this Commonwealth, including all existing and designated uses established under Title 25 Pa. Code Chapter 93 (relating to water quality standards).

**B. Storage Tank Dike Stormwater Runoff**

Stormwater from the storage tank diked area may be discharged into a storm drain or waters of the Commonwealth without in-plant treatment provided the following conditions are met:

1. Each tank dike or discharge line shall contain a normally closed shut-off valve.
2. The stormwater shall be visually inspected before discharge to confirm no visible sheen is present.
3. The shut-off valve shall be closed following drainage under responsible supervision.

**C. Additional Monitoring and Reporting Requirements**

1. As indicated in PART A of this permit, the permittee is expected to perform discharge sampling, analysis and reporting for Oil and Grease as mg/L. EPA Test Method 1664a is to be used for such sampling and analysis.

The results of this analysis shall be submitted to DEP using the attached DMR. Copies of the master DMR may be photocopied for use in submitting such reports. It is not necessary to submit copies of these reports to EPA. These DMRs shall be submitted for the preceding calendar quarter no later than the following dates: January 28, April 28, July 28 and October 28.

2. As indicated in Section C herein, the permittee is expected to perform discharge sampling, analyses and reporting for Benzene, Total BTEX, Oil and Grease and Total Residual Chlorine as mg/L. EPA Test Method 602 is to be used for analyzing Benzene and Total BTEX. EPA Test Method 1664a is to be used for analyzing Oil and Grease. Colormetric test methods may be used for analyzing Total Residual Chlorine.

The results of these analyses shall be submitted to DEP with the DMR for that quarter.

**III. REQUIREMENTS APPLICABLE TO STORMWATER OUTFALLS**

**A. Prohibition of Non-Stormwater Discharges**

1. Except as provided in A.2 (below) and approved Outfall 101/201 & 103/203 flow, all discharges to stormwater outfalls (001, 002, and 003) shall be composed entirely of non-polluting stormwater.
2. The following non-polluting water discharges may be authorized, provided the discharge is in compliance with D.2.b: discharges from fire fighting activities; fire hydrant flushings, potable water sources including waterline flushings, irrigation drainage, lawn watering, routine external building washdown which does not use detergents or other compounds, pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed)

and where detergents are not used, air conditioning condensate, springs, uncontaminated groundwater, and foundation or footing drains where flows are not contaminated with process materials such as solvents.

B. Spills

This permit does not authorize the discharge of any polluting substances resulting from an on-site spill. Such spills shall be controlled through proper implementation of a PPC Plan.

C. Preparedness, Prevention and Contingency Plans (PPC Plan) – Additional Requirements

1. Special Requirements for SARA Title III, Section 313 Facilities

- a. Facilities subject to SARA Title III, Section 313 shall include in the PPC Plan a description of releases to land or water of Section 313 water priority chemicals that have occurred within the last three years. Each of the following shall be evaluated for the reasonable potential for contributing pollutants to runoff: loading and unloading operations, outdoor storage activities, outdoor manufacturing or processing activities, significant dust or particulate generating process, and on-site waste disposal practices. Factors to consider include the toxicity of chemicals; quantity of chemicals used, produced or discharged; the likelihood of contact with stormwater; and history of significant leaks or spills of toxic or hazardous pollutants.
- b. Engineering Certification. No stormwater PPC Plan for facilities subject to SARA Title III, Section 313 requirements for chemicals that are classified as “Section 313 water priority chemicals” shall be effective unless it has been reviewed by a Registered Professional Engineer and certified to by such Professional Engineer. A registered Professional Engineer shall recertify the PPC Plan every year thereafter. This certification may be combined with the required annual certification in C.4. By means of these certifications, the engineer, having examined the facility and being familiar with the provisions of this part, shall attest that the storm water PPC Plan has been prepared in accordance with good engineering practices. Such certification shall in no way relieve the owner or operator of a facility covered by the PPC Plan of the duty to prepare and fully implement such Plan.

2. Comprehensive Site Compliance Evaluations and Record Keeping

Qualified personnel shall conduct site compliance evaluations at least once a year. Such evaluations shall include:

- a. Visual inspection and evaluation of areas contributing to a stormwater discharge for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Structural stormwater management measures, sediment and erosion control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly. A visual inspection of equipment needed to implement the plan, such as spill response equipment, shall be made.
- b. Based on the results of the inspection, the description of potential pollutant sources identified in the PPC plan, and pollution prevention measures and controls identified in the plan shall be revised as appropriate within 15 days of such inspection and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than 90 days after the inspection.
- c. A report summarizing the scope of the inspection, using the DEP’s Annual Inspection Form, shall be completed. The permittee shall retain the completed and signed form as part of the PPC Plan.

D. Stormwater Sampling and Reporting

1. If stormwater samples are required by this permit, they shall be collected as grab samples during the first 30 minutes but no later than 1 hour after the discharge resulting from a storm event that occurs at least 72 hours from the previously measurable storm event.
2. When the discharger is unable to collect samples due to adverse climatic conditions, the discharger must submit, in lieu of sampling data, a description of why samples could not be collected, including available documentation of the event. This sampling waiver may not be used more than once during a two-year period.
3. Stormwater monitoring results shall be summarized on a DMR form and the Department's "Additional Information for the Reporting of Storm Water Monitoring" form.

E. Stormwater Best Management Practices (BMPs)

The permittee shall implement at least all of the following BMPs that are applicable to the processes in place at the facility for which coverage under this permit is granted.

1. The oil/water separator shall be inspected after each rainfall to insure that the petroleum product is being properly removed. Petroleum products shall not be allowed to accumulate in the separator in amounts in excess of the design limitations of the separator, or in a manner which adversely affects the separator's operation.
2. Solids build-up in the separator shall be measured after each rainfall. When build-up exceeds either 1 foot depth or the design criteria of the oil/water separator, or otherwise hinders the separator's operation, the solids shall be removed before the next rainfall.
3. Petroleum products and solids removed from the separator shall be handled and disposed of in a manner that will not violate the laws of the Commonwealth of Pennsylvania.
4. A record showing the dates when solids and petroleum products are removed from the separator and the location of the disposal site shall be kept for a period of at least 3 years. These records shall be made available upon request by DEP for inspection.