



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

FEIST

March 2, 2016

CERTIFIED MAIL NO. 7015 0640 0001 0396 6343

Gordon Gray
Lackawanna Energy Center LLC
One South Wacker Drive Suite 1800
Chicago, IL 60606

Re: Final NPDES Permit- Industrial Waste
Lackawanna Energy Center (LEC)
NPDES Permit No. PA0275727
Authorization ID No. 1051598
Jessup Borough, Lackawanna County

Dear Mr. Gray:

Your Part 1 NPDES permit is enclosed. No discharge is allowed under this Permit until issuance of a Part 2 (WQM) Permit. Please read the permit carefully. The permit expires on the date identified on page 1 of the permit. A renewal application must be submitted to this office 180 days prior to the permit expiration date, if a discharge is expected to continue past the expiration date of the permit.

The responses to your 'Revised' Comments dated January 7, 2016 to the Draft Permit are as follows:

Item 1. Cover Letter, Page 1 Last paragraph: PADEP is requiring that a Water Quality Management (WQM) Permit for the construction of the proposed wastewater treatment facility must be submitted within 90 days following the conclusion of the draft NPDES permit public comment period. Please confirm that this 90 day period begins on January 4, 2016; the date of the public hearing on the draft NPDES permit.

The cover letter also states that the final NPDES permit may not be issued until the WQM permit is issued. LEC requests that the NPDES permit be issued as soon as practicable. Doing so will provide final limits and reduce uncertainty of what may be in the final permit, so that the treatment system can be designed correctly. In addition, it is crucial for the financing schedule for the project that final permits are issued in a timely manner. The draft permit contains a condition (Part C item I.H) that no Industrial discharge may begin until the WQM permit is issued and the treatment facility is constructed. Therefore it appears that the NPDES permit is already drafted to accommodate being issued prior to the WQM permit, and that the NPDES permit can be issued as soon as practicable.

Response: This NPDES permit is issued as requested; the WQM time clock begins with this issuance. As stated above no discharge is allowed without a signed WQM Permit.

Item 2. Draft Permit pages 2 through 6 and numerous other locations: Outfall 001 is listed as the primary discharge of Industrial wastewater from the treatment plant. However Outfall 001 will be the discharge of combined stormwater and Industrial wastewater. A footnote provides some clarification that during storm events it is possible to monitor for all Outfall 001 discharge parameters at Internal Monitoring Point (IMP) 101. Please confirm that it is acceptable to the Department to sample all Industrial wastewater chemical and temperature parameters at IMP 101 regardless of weather and precipitation. The proposed facility will place sample taps and wastewater control points for the facility at IMP 101.

Response: It is our policy to allow representative sampling at IMP 101; however, it is encouraged to confirm the discharge temperature at the outfall to ensure that no temperature increase occurs between IMP 101 and outfall 001.

Item 3. Draft Permit Page 2, Fact Sheet Page 1 and 2: It is understood that the Department is using the term "Cooling Tower Blowdown to refer to the water that is blown down from the project's steam cycl. LEC will employ dry cooling technology utilizing an Air Cooled Condenser which has been communicated to the public and is published in multiple Project documents. Therefore it is requested that a footnote be added that clarifies the basis for the use of the term Cooling Tower Blowdown and that an Air Cooled Condenser is utilized for the plant heat rejection.

Response : It will be called an Air Cooling Tower.

Item 4. Draft Permit Page 4: Nitrate-Nitrite as N required sample type is composite. However all other sample types list 24-hour composite for their sample type. Please confirm that Nitrate-Nitrite as N will require 24-hour composite sampling similar to other monitoring parameters.

Response: This typo will be corrected in the Final Permit.

Item 5. Not Used (withdrawn)

Item 6. Not Used (withdrawn)

Item 7. Draft Permit Page 10, Footnote (3): Similar to comment number 2, please confirm that it is acceptable to the Department to sample all industrial wastewater chemical and temperature parameters at IMP 101 regardless of weather and precipitation.

Response : Same as number 2

Item 8. Not Used (withdrawn)

Item 9. Not Used (withdrawn)

Item 10. Draft Permit Page 27, Part C Condition II: Please confirm that DMRs will not need to be submitted by the LEC prior to completion of the proposed wastewater treatment system and startup of the proposed equipment. Alternatively please provide clarification that checking "No Discharge" on the DMR forms for all outfalls is acceptable before the industrial wastewater plant begins to discharge or construction is complete on all site work. Until the facility has been constructed and prior to operation of the Industrial wastewater facility all stormwater discharged from the construction site will be discharged through NPDES construction stormwater permit PÁG 020035 15 016 Which became effective on December 9, 2015.

Response : You will utilize the appropriate no discharge (GG) on your eDMR reports. GG is used 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).

Item 11. Not Used (withdrawn)

Item 12. Draft Permit Page 30, Part C Condition C.3.b, c: Please remove these two conditions as they apply to ash handling, ash ponds, and ash transport systems. The proposed LEC will burn only natural gas with no potential for using coal or any coal products on site. Therefore the conditions are not relevant.

Response : That is standard boiler plate language that also applies to our General Permit and BMPs applicable to facilities with SIC Code 4911 if you have a closed ash pile or handling. Many parts of the Permit contain conditions for a broad industry, you must comply with those that are site specific.

In addition the permit requires that you use the Department of Environmental Protection's (DEP's) electronic Discharge Monitoring Report (eDMR) system to report the results of self-monitoring activities. The information you must submit within 30 days to register for use of the

eDMR system is available at www.dep.state.pa.us/edmr. DEP has also enclosed paper DMR templates and DMR instructions with the permit. It is recommended that you retain the DMR templates in the event you are unable to submit DMRs electronically through the eDMR system.

Also enclosed is a Supplemental Form Inventory, which identifies the forms that are attached to the permit and must be submitted as attachments to eDMR reports, as applicable (see individual form instructions). The submission of other supplemental forms may be required in accordance with the permit. We encourage you to use the spreadsheet versions of supplemental forms that contain appropriate validation and DEP-approved calculations.

Part C of the permit contains requirements relating to chemical additives. These requirements have changed in comparison to previous permits. Please review the chemical additives requirements carefully and contact this office if you have questions. Additional information may be found on DEP's website at www.depweb.state.pa.us/chemicaladditives.

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.

If you have any questions, please contact Bernard Feist at 570.830.3088.

Mr. Gordon Gray

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March 2, 2016

Sincerely,



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

Enclosures

cc: EPA - Via WMS

HDR Inc.

Central Office, Division of Operations, Monitoring and Data Systems

Monitoring & Compliance Section

Bernard Feist, P.E.

File



Electronic Discharge Monitoring Report (eDMR) System

Overview

The Department of Environmental Protection (DEP) is offering an alternative method for wastewater facilities to submit the monthly Discharge Monitoring Reports (DMRs) and all supplemental forms as required by National Pollutant Discharge Elimination System (NPDES) permits and some Water Quality Management permits. Facilities can now use DEP's electronic DMR (eDMR) system. Upon registration, permittees use an eDMR template generated specifically for their permit to enter parameter values for submission to DEP. The secure website is accessed with a user name and password. When permittees use eDMR, they no longer need to submit paper DMRs to DEP, the U.S. Environmental Protection Agency and other agencies. All supplemental forms can be uploaded into the eDMR system. Users with authorization as a "Certifier" can submit reports to DEP.

Eligible Types of Permit Holders

- Water Quality Management Permit, Industrial Waste and Sewage, Land Application
- NPDES Permit, Industrial Wastewater (Major and Minor)
- NPDES Permit, Industrial Storm Water (Individual Permits)
- NPDES Permit, Sewage, Municipal and Non-Municipal (Major and Minor)
- PAG-03, Stormwater Associated with Industrial Activities
- PAG-05, Discharges from Gasoline Contaminated Ground Water Remediation Systems
- PAG-10, Discharges from Hydrostatic Testing of Tanks and Pipelines

Access

The eDMR system is accessed through DEP's Web site at www.depweb.state.pa.us/edmr (click on "eDMR Login"). Access is restricted by security for the following types of accounts:

Viewer - This role enables the user to view reporting requirements, the status of submitted eDMRs and the submitted data.

Preparer - This role provides the user with all privileges of the Viewer role plus the ability to complete and save the eDMR forms.

Certifier - This role provides the user with all privileges of the Viewer and Preparer roles plus the ability to submit eDMRs using a Personal Identification Number (PIN) as part of a digital signature.

Value and Benefits

- Reduction in paperwork and mailing costs for the facility;
- Reduction in manual data entry and filing by DEP;
- Submit reports right up to the deadline without concerns about delays with handling and associated civil penalty liability for late submissions;
- Electronic attachment functionality;
- Electronic confirmation that DEP received your reports;
- Track status and history of submissions online.

Record Retention

Regulations and permits require that records of monitoring activities be retained by the permittee for a certain time, typically a minimum of three years. After submitting reports through eDMR, you may either print off a copy of the report and file it or save the report electronically to an on-site computer to satisfy retention requirements.

How to Participate

Permittees must first register with DEP. The following documents are needed to register:

- Registration Form (available on eDMR website);
- Copies of the first page of the current (effective) permit and effluent limits tables in the permit; and
- eDMR Trading Partner Agreement (available on eDMR website).

Submit these documents to:

PA DEP
Bureau of Point and Non-Point Source Management
Rachel Carson State Office Building
PO Box 8466
Harrisburg, PA 17105-8466

You will receive your account information typically within 30 to 60 days, depending on the number of registration packages being processed. An introductory email will be sent with information on when you should begin using eDMR.

Training

DEP schedules periodic classroom training for eDMR. Training schedules are posted on the eDMR website (see Documents and Training link) and are typically held at DEP regional offices. Participation in the training typically qualifies licensed operators for 3.5 contact hours of continuing education toward recertification. Follow instructions on the Web site to enroll in training. Please note that participation in training is not a prerequisite for registering for the eDMR program. While classroom training is encouraged to ensure proper use, it is not required. An eDMR User's Manual and step by step tutorial are available on the website for guidance.

For More Information Contact:

PA DEP
Bureau of Point and Non-Point Source Management
Phone: 717-787-6744

For more information, visit www.depweb.state.pa.us, keyword: eDMR.

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

NPDES PERMIT NO: PA0275727

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.*,

Lackawanna Energy Center LLC
One South Wacker Drive, Suite 1800
Chicago, IL 60606

is authorized to discharge from a facility known as Lackawanna Energy Center, located in Jessup Borough, Lackawanna County, to Grassy Island Creek and Unnamed Tributary to the 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 APRIL 1, 2016

THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON MARCH 31, 2021

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

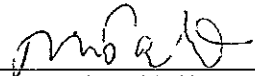
1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions or effluent limitations of this permit is grounds for enforcement action; for 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)(2))

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 2, 2016

ISSUED BY


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

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

I. A. For Outfall 001, Latitude 41° 28' 11.89", Longitude 75° 33' 0.54", River Mile Index 1.1, Stream Code 28553

Receiving Waters: Grassy Island Creek

Type of Effluent: Cooling tower blowdown, low volume industrial wastewater (discharges from oil/water separator, reverse osmosis system, electrode ionization system, evaporative cooler, wash water and miscellaneous plant wastewaters), and chiller effluent

- The permittee is authorized to discharge during the period from April 1, 2016 through March 31, 2021.
- Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements ⁽³⁾	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Continuous	Metered
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
Total Residual Chlorine ⁽⁴⁾	XXX	XXX	XXX	0.02 ⁽⁴⁾	XXX	XXX	1/day	Grab
Temperature (°F) Jan 1-31	XXX	XXX	XXX	XXX	49.7	XXX	1/day	I-S
Temperature (°F) Feb 1-29	XXX	XXX	XXX	XXX	47.6	XXX	1/day	I-S
Temperature (°F) Mar 1-31	XXX	XXX	XXX	XXX	61.2	XXX	1/day	I-S
Temperature (°F) Apr 1-15	XXX	XXX	XXX	XXX	65.0	XXX	1/day	I-S
Temperature (°F) Apr 16-30	XXX	XXX	XXX	XXX	61.5	XXX	1/day	I-S
Temperature (°F) May 1-15	XXX	XXX	XXX	XXX	60.7	XXX	1/day	I-S

Outfall 001, Continued (from April 1, 2016 through March 31, 2021)

Parameter	Effluent Limitations						Monitoring Requirements ⁽³⁾	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Temperature (°F) May 16-31	XXX	XXX	XXX	XXX	64.7	XXX	1/day	I-S
Temperature (°F) Jun 1-15	XXX	XXX	XXX	XXX	66.7	XXX	1/day	I-S
Temperature (°F) Jun 16-30	XXX	XXX	XXX	XXX	70.7	XXX	1/day	I-S
Temperature (°F) Jul 1-31	XXX	XXX	XXX	XXX	73.6	XXX	1/day	I-S
Temperature (°F) Aug 1-31	XXX	XXX	XXX	XXX	72.3	XXX	1/day	I-S
Temperature (°F) Sep 1-15	XXX	XXX	XXX	XXX	68.0	XXX	1/day	I-S
Temperature (°F) Sep 16-30	XXX	XXX	XXX	XXX	62.0	XXX	1/day	I-S
Temperature (°F) Oct 1-15	XXX	XXX	XXX	XXX	57.1	XXX	1/day	I-S
Temperature (°F) Oct 16-31	XXX	XXX	XXX	XXX	53.1	XXX	1/day	I-S
Temperature (°F) Nov 1-15	XXX	XXX	XXX	XXX	48.5	XXX	1/day	I-S
Temperature (°F) Nov 16-30	XXX	XXX	XXX	XXX	44.9	XXX	1/day	I-S

Outfall 001, Continued (from April 1, 2016 through March 31, 2021)

Parameter	Effluent Limitations						Monitoring Requirements ⁽³⁾	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Temperature (°F) Dec 1-31	XXX	XXX	XXX	XXX	51.0	XXX	1/day	I-S
CBOD5	XXX	XXX	XXX	73.56	XXX	XXX	1/week	24-Hr Composite
Total Suspended Solids	Report	XXX	XXX	30.0	100.0	XXX	1/week	24-Hr Composite
Total Dissolved Solids	Report	XXX	XXX	1,042	XXX	XXX	1/week	24-Hr Composite
Oil and Grease	XXX	XXX	XXX	15.0	20.0	30.0	1/day	Grab
Nitrate-Nitrite as N	XXX	XXX	XXX	10.4	XXX	XXX	1/week	24-Hr Composite
Total Nitrogen	Report	XXX	XXX	10.11	XXX	XXX	1/week	24-Hr Composite
Ammonia-Nitrogen	XXX	XXX	XXX	0.03	XXX	XXX	1/week	24-Hr Composite
Nitrate as N	XXX	XXX	XXX	12.09	XXX	XXX	1/week	24-Hr Composite
Nitrite as N	XXX	XXX	XXX	0.07	XXX	XXX	1/week	24-Hr Composite
Total Phosphorus	Report	XXX	XXX	0.51	XXX	XXX	1/week	24-Hr Composite

Outfall 001, Continued (from April 1, 2016 through March 31, 2021)

Parameter	Effluent Limitations						Monitoring Requirements ⁽³⁾	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Aluminum (µg/L)	Report	XXX	XXX	750	1,875	XXX	1/week	24-Hr Composite
Total Chromium (µg/L)	Report	XXX	XXX	200	200	200	1/week	24-Hr Composite
Total Copper (µg/L)	XXX	XXX	XXX	6.9	17.2	XXX	1/week	24-Hr Composite
Dissolved Iron (µg/L)	Report	XXX	XXX	300	750	XXX	1/week	24-Hr Composite
Total Iron (µg/L)	Report	XXX	XXX	1,500	3,750	XXX	1/week	24-Hr Composite
Total Lead (µg/L)	XXX	XXX	XXX	1.7	4.3	XXX	1/week	24-Hr Composite
Total Manganese (µg/L)	Report	XXX	XXX	1,000	2,500	XXX	1/week	24-Hr Composite
Total Mercury (µg/L)	XXX	XXX	XXX	0.095	0.2	XXX	1/week	24-Hr Composite
Total Nickel (µg/L)	XXX	XXX	XXX	6.9	17.2	XXX	1/week	24-Hr Composite
Total Selenium (µg/L)	XXX	XXX	XXX	9.5	23.8	XXX	1/week	24-Hr Composite
Sulfate	Report	XXX	XXX	245.27	613.18	XXX	1/week	24-Hr Composite

Outfall 001, Continued (from April 1, 2016 through March 31, 2021)

Parameter	Effluent Limitations						Monitoring Requirements ⁽³⁾	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Zinc (µg/L)	Report	XXX	XXX	146	228	XXX	1/week	24-Hr Composite
Total Priority Pollutants (µg/L)	XXX	XXX	XXX	Report	XXX	XXX	Upon Request	24-Hr Composite
Chloride	Report	XXX	XXX	207.7	519.3	XXX	1/week	Grab
Chlorodibromomethane (µg/L)	XXX	XXX	XXX	3.4	8.5	XXX	1/week	24-Hr Composite
Dichlorobromomethane (µg/L)	XXX	XXX	XXX	4.7	11.7	XXX	1/week	24-Hr Composite
Bis(2-Ethylhexyl)Phthalate (µg/L)	XXX	XXX	XXX	10.3	25.8	XXX	1/week	24-Hr Composite
Chloroform (µg/L)	XXX	XXX	XXX	48.6	121.6	XXX	1/week	24-Hr Composite

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

Outfall 001/ IMP 101 See Footnote 3

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

I. B. For IMP 201, Latitude 41° 28' 14.30", Longitude 75° 32' 59.76", River Mile Index _____, Stream Code 28553

Receiving Waters: Grassy Island Creek through Outfall 001

Type of Effluent: Stormwater Overflow from Infiltration Pond (10-year Discharge)

1. The permittee is authorized to discharge during the period from April 1, 2016 through March 31, 2021.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly		Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/Year	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/Year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/Year	Grab
Total Copper	XXX	XXX	XXX	XXX	Report	XXX	1/Year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/Year	Grab
Total Nickel	XXX	XXX	XXX	XXX	Report	XXX	1/Year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/Year	Grab

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

at IMP 201, prior to discharge to Outfall 001

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

I. C. For IMP 301, Latitude 41° 28' 14.30", Longitude 75° 32' 59.76", River Mile Index _____, Stream Code 28553

Receiving Waters: Outfall 001

Type of Effluent: Stormwater Overflow from Infiltration Pond (emergency 100 year Discharge)

1. The permittee is authorized to discharge during the period from April 1, 2016 through March 31, 2021.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly		Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Total Copper	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Total Nickel	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	Daily when Discharging	Grab

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

at IMP 301, prior to discharge to Outfall 001

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

I. D. For Outfall 002, Latitude 41° 28' 21.17", Longitude 75° 32' 56.95", River Mile Index 1.17, Stream Code _____

Receiving Waters: Unnamed Tributary to Lackawanna River

Type of Effluent: Industrial stormwater

1. The permittee is authorized to discharge during the period from April 1, 2016 through March 31, 2021.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly		Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/Year	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/Year	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/Year	Grab
Total Copper	XXX	XXX	XXX	XXX	Report	XXX	1/Year	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/Year	Grab
Total Nickel	XXX	XXX	XXX	XXX	Report	XXX	1/Year	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/Year	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
(Continued)**

Additional Requirements

The permittee may not discharge:

1. Floating solids, scum, sheen or substances that result in observed deposits in the receiving water. (25 Pa Code § 92a.41(c))
2. Oil and grease in amounts that cause a film or sheen upon or discoloration of the waters of this Commonwealth or adjoining shoreline, or that exceed 15 mg/l as a daily average or 30 mg/l at any time (or lesser amounts if specified in this permit). (25 Pa. Code § 92a.47(a)(7), § 95.2(2))
3. 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))
4. 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))

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.
- (3) The limitations specified in Part A I.A for Outfall 001 apply to the discharge of industrial wastewater effluent only, prior to commingling with stormwater. During dry weather conditions (i.e., no stormwater discharges to IMP 201 or IMP 301), the permittee may collect samples at Outfall 001 (end of pipe) or a location prior to commingling of industrial wastewater effluent with stormwater (IMP 101). If the permittee collects samples during wet weather conditions, the permittee must collect the samples at a location prior to commingling of industrial wastewater effluent with stormwater.
- (4) See Part C IV for additional requirements related to Total Residual Chlorine.

Supplemental Information

The effluent limitations for Outfall 001 were determined using an effluent discharge rate of 0.29 MGD.

II. DEFINITIONS

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

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

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

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

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

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

Chemical Additive means a chemical product (including products of disassociation and degradation, collectively "products") introduced into a waste stream that is used for cleaning, disinfecting, or maintenance and which may be detected in effluent discharged to waters of the Commonwealth. The term generally excludes chemicals used for neutralization of waste streams, the production of goods, and treatment of wastewater.

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

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

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

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

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

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

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

Geometric Mean means the average of a set of n sample results given by the 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)

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

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. (25 Pa. Code § 92a.2)

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

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.

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

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

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

Stormwater Associated With Industrial Activity means the discharge from any conveyance that is used for collecting and conveying stormwater and that is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant, and as defined at 40 CFR 122.26(b)(14) (i) - (ix) & (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

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

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

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

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

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

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

4. Test Procedures

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

5. Quality/Assurance/Control

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

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

B. Reporting of Monitoring Results

1. The permittee shall effectively monitor the operation and efficiency of all wastewater treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this permit. (40 CFR 122.41(e), 122.44(i)(1))
2. Discharge Monitoring Reports (DMRs) must be completed in accordance with DEP's published DMR Instructions (3800-FM-BPNPSM0463). DMRs are based on calendar reporting periods unless Part C of this permit requires otherwise. DMR(s) must be received by the agency(ies) specified in paragraph 3 below in accordance with the following schedule:
 - Monthly DMRs must be received within 28 days following the end of each calendar month.
 - Quarterly DMRs must be received within 28 days following the end of each calendar quarter, i.e., January 28, April 28, July 28, and October 28.
 - Semiannual DMRs must be received within 28 days following the end of each calendar semiannual period, i.e., January 28 and July 28.
 - Annual DMRs must be received by January 28, unless Part C of this permit requires otherwise.
3. 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

4. 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.
5. 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))
6. 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 to Physical Facilities** – The permittee shall give notice to DEP as soon as possible but no later than 30 days prior to planned physical alterations or additions to the permitted facility. A permit under 25 Pa. Code Chapter 91 may be required for these situations prior to implementing the planned changes. A permit application, or other written submission to DEP, can be used to satisfy the notification requirements of this section.
- Notice is required when:
- a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR 122.29(b). (40 CFR 122.41(l)(1)(i))
 - b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are not subject to effluent limitations in this permit. (40 CFR 122.41(l)(1)(ii))
 - c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan. (40 CFR 122.41(l)(1)(iii))
 - d. The planned change may result in noncompliance with permit requirements. (40 CFR 122.41(l)(2))
2. **Planned Changes to Waste Stream** – Under the authority of 25 Pa. Code § 92a.24(a), the permittee shall provide notice to DEP as soon as possible but no later than 45 days prior to any planned changes in the volume or pollutant concentration of its influent waste stream as a result of indirect discharges or hauled-in wastes, as specified in paragraphs 2.a. and 2.b., below. Notice shall be provided on the "Planned Changes to Waste Stream" Supplemental Report (3800-FM-BPNPSM0482), available on DEP's website. The permittee shall provide information on the quality and quantity of waste introduced into the facility, and any anticipated impact of the change on the quantity or quality of effluent to be discharged from the facility. 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))

New pollutants are defined as parameters that meet all of the following criteria:

- (i) Were not detected in the facilities' influent waste stream as reported in the permit application; and
- (ii) Have not been approved to be included in the permittee's influent waste stream by DEP in writing.

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

b. Increased Loading of Approved Pollutants (25 Pa. Code § 92a.24(a))

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
- (ii) Have been approved to be included in the permittee's influent waste stream by DEP in writing; or
- (iii) Have an effluent limitation or monitoring requirement in this permit.

The permittee shall provide notification of the introduction of increased influent loading (lbs/day) of approved pollutants in accordance with paragraph 2 above when (1) the cumulative increase in influent loading (lbs/day) exceeds 20% of the maximum loading reported in the permit application, or a loading previously approved by DEP, 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 facility, or (4) may cause exceedances of the applicable water quality standards in the receiving stream. Unless specified otherwise in this permit, if DEP does not respond to the notification within 30 days of its receipt, the permittee may proceed with the increase in loading. The acceptance of increased loading of approved pollutants may not result in an exceedance of ELGs or effluent limitations and may not cause exceedances of the applicable water quality standards in the receiving stream.

3. Reporting Requirements for Hauled-In Wastes

a. Receipt of Residual Waste

- (i) The permittee shall document the receipt of all hauled-in residual wastes (including but not limited to wastewater from oil and gas wells, food processing waste, and landfill leachate), as defined at 25 Pa. Code § 287.1, that are received for processing at the treatment facility. The permittee shall report hauled-in residual wastes on a monthly basis to DEP on the "Hauled In Residual Wastes" Supplemental Report (3800-FM-BPNPSM0450) as an attachment to the DMR. If no residual wastes were received during a month, submission of the Supplemental Report is not required.

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

- (1) The dates that residual wastes were received.
- (2) The volume (gallons) of wastes received.

- (3) The license plate number of the vehicle transporting the waste to the treatment facility.
- (4) The permit number(s) of the well(s) where residual wastes were generated, if applicable.
- (5) The name and address of the generator of the residual wastes.
- (6) The type of wastewater.

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

- (ii) The following conditions apply to the characterization of residual wastes received by the permittee:
 - (1) If the generator is required to complete a chemical analysis of residual wastes in accordance with 25 Pa. Code § 287.51, the permittee must receive and maintain on file a chemical analysis of the residual wastes it receives. The chemical analysis must conform to the Bureau of Waste Management's Form 26R except as noted in paragraph (2), below. Each load of residual waste received must be covered by a chemical analysis if the generator is required to complete it.
 - (2) For wastewater generated from hydraulic fracturing operations ("frac wastewater") within the first 30 production days of a well site, the chemical analysis may be a general frac wastewater characterization approved by DEP. Thereafter, the chemical analysis must be waste-specific and be 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), as defined at 25 Pa. Code § 271.1, that are received for processing at the treatment facility. The permittee shall report hauled-in municipal wastes on a monthly basis to DEP on the "Hauled In Municipal Wastes" Supplemental Report (3800-FM-BPNPSM0437) 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 BOD₅ 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.

4. Unanticipated Noncompliance or Potential Pollution Reporting

- a. Immediate Reporting - The permittee shall immediately report any incident causing or threatening pollution in accordance with the requirements of 25 Pa. Code §§ 91.33 and 92a.41(b).

- (i) If, because of an accident, other activity or incident a toxic substance or another substance which would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property, the permittee shall immediately notify DEP by telephone of the location and nature of the danger. Oral notification to the Department is required as soon as possible, but no later than 4 hours after the permittee becomes aware of the incident causing or threatening pollution.
 - (ii) If reasonably possible to do so, the permittee shall immediately notify downstream users of the waters of the Commonwealth to which the substance was discharged. Such notice shall include the location and nature of the danger.
 - (iii) The permittee shall immediately take or cause to be taken steps necessary to prevent injury to property and downstream users of the waters from pollution or a danger of pollution and, in addition, within 15 days from the incident, shall remove the residual substances contained thereon or therein from the ground and from the affected waters of this Commonwealth to the extent required by applicable law.
- b. The permittee shall report any noncompliance which may endanger health or the environment in accordance with the requirements of 40 CFR 122.41(l)(6). These requirements include the following obligations:
- (i) 24 Hour Reporting - The permittee shall orally report any noncompliance with this permit which may endanger health or the environment within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which must be reported within 24 hours under this paragraph:
 - (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. (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))

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-BPNPSM0440). The reports shall contain the information listed in paragraph C.4.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

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

B. Permit Modification, Termination, or Revocation and Reissuance

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

C. Duty to Provide Information

1. The permittee shall furnish to DEP, within a reasonable time, any information which DEP may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. (40 CFR 122.41(h))
2. The permittee shall furnish to DEP, upon request, copies of records required to be kept by this permit. (40 CFR 122.41(h))
3. Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to DEP, it shall promptly submit the correct and complete facts or information. (40 CFR 122.41(l)(8))

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 – 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 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 operator must submit a new permit application.

C. Property Rights

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

D. Duty to Reapply

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

E. Other Laws

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

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: **Major IW Facility <250 MGD.**

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 DEP at 717-787-6744 with questions related to annual fees. The fees identified above are subject to change in accordance with 25 Pa. Code § 92a.62(e).

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**

- A. The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance or replacement of all structures associated with the herein approved discharge in, along, or across private property, with full rights of ingress, egress and regress.
- B. Collected screenings, slurries, sludges, and other solids shall be handled, recycled and/or disposed of in compliance with the Solid Waste Management Act (35 P.S. §§ 6018.101 – 6018.1003), 25 Pa. Code Chapters 287, 288, 289, 291, 295, 297, and 299 (relating to requirements for landfilling, impoundments, land application, composting, processing, and storage of residual waste), Chapters 261a, 262a, 263a, and 270a (related to identification of hazardous waste, requirements for generators and transporters, and hazardous waste, requirements for generators and transporters, and hazardous waste permit programs), federal regulation 40 CFR Part 257, The Clean Streams Law, and the Federal Clean Water Act and its amendments. Screenings collected at intake structures shall be collected and managed and not be returned to the receiving waters.

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.

- C. If an applicable standard or effluent limitation guideline relating to the application for Best Available Technology Economically Achievable (BAT), or Best Conventional Technology (BCT) is developed by DEP or EPA for this type of industry, and if such standard or limitation is more stringent than the corresponding limitations of this permit (or if it controls pollutants not covered by this permit), DEP may modify or revoke and reissue the permit to conform with that standard or limitation.
- D. This discharge shall not cause a change in the stream temperature of more than 2°F during any one hour.
- E. Chlorine or other approved biocides may not be discharged from any single generating unit for more than two hours per day unless the discharger demonstrates to the permitting authority that discharges for more than two hours are required for macroinvertebrate control. Simultaneous multi-unit chlorination/biocide application is permitted.
- F. There shall be no net addition of pollutants to non-contact cooling water over intake values except for heat and water conditioning additives for which complete information was submitted in the application or is required to be submitted as a condition of this permit.
- G. There shall be no discharge of polychlorinated biphenyl (PCB) compounds such as those commonly used for transformer fluid at any time.
- H. The permittee shall obtain a Water Quality Management (WQM) permit from DEP for construction of treatment facilities and complete construction in accordance with the WQM permit application prior to commencing discharges authorized by this permit.
- I. Cooling tower blowdown discharges shall contain no detectable amounts of the 126 Priority Pollutants listed in 40 CFR Part 423, Appendix A as a result of the use of cooling tower maintenance chemicals with the exception of Total Chromium and Total Zinc. When requested by DEP, the permittee shall conduct monitoring or submit engineering calculations to demonstrate compliance with 40 CFR 423.13(d)(1).

II. REQUIREMENT TO USE EDMR SYSTEM

- A. Within 30 days of the Permit Issuance Date, the permittee shall submit the necessary forms to register for the Department's Electronic Discharge Monitoring Report (eDMR) system for the submission of DMRs and Supplemental DMRs. The eDMR system, registration materials and instructions can be accessed at www.dep.state.pa.us/edmr.
- B. The registration materials shall be submitted to the DEP's Central Office for processing at the following address:
- PA DEP
Bureau of Point and Non-Point Source Management
Rachel Carson State Office Building
P.O. Box 8466
Harrisburg, PA 17105-8466
- C. Upon notification from DEP that the permittee and its users are registered to use eDMR, the permittee shall begin using the eDMR system to submit its DMR(s) for the reporting period(s) identified in the DEP's notification. The permittee shall continue to use eDMR for all subsequent reporting periods unless DEP grants written approval to discontinue its use and issues an amendment to this permit.

III. CHEMICAL ADDITIVES

A. Approved Chemical Additives List

1. The permittee is authorized to use chemical additives that are published on DEP's Approved Chemical Additives List (Approved List) (see www.depweb.state.pa.us/chemicaladditives) subject to paragraphs A.2 and A.3, below.
2. The permittee may not discharge a chemical additive at a concentration that is greater than the water quality-based effluent limitation (WQBEL) for the chemical additive or, if applicable, a technology-based effluent limitation. If effluent limitations are not specified in Part A of this permit for the chemical additive, the permittee is responsible for determining the WQBEL and ensuring the WQBEL is not exceeded by restricting usage to an amount that will not cause an excursion above in-stream water quality standards.
3. If the permittee decides to use a chemical additive that is on DEP's Approved List and the use would either (1) constitute an increase in the usage rate specified in the NPDES permit application or previous notification to DEP or (2) constitute a new use, not identified in the NPDES permit application or otherwise no previous notification occurred, the permittee shall complete and submit the "Chemical Additives Notification Form" (3800-FM-BPNPSM0487) to the DEP regional office that issued the permit. The permittee may proceed to use the chemical additive as reported on the Form upon receipt by the DEP regional office.

B. New Chemical Additives, Not on Approved Chemical Additives List

1. In the event the permittee wishes to use a chemical additive that is not listed on DEP's Approved List, the permittee shall submit the "New Chemical Additives Request Form" (3800-FM-BPNPSM0486) to DEP's Central Office, Bureau of Point and Non-Point Source Management (BPNPSM), Division of Planning and Permitting, Rachel Carson State Office Building, PO Box 8774, Harrisburg, PA 17105-8774, prior to use. A copy shall be submitted to the DEP regional office that issued the permit. The form must be completed in whole in order for BPNPSM to approve the chemical additive, and a Material Safety Data Sheet (MSDS) that meets the minimum requirements of 29 CFR 1910.1200(g) must be attached.
2. Following placement of the chemical additive on the Approved List, the permittee may submit the Chemical Additive Notification Form in accordance with paragraph A.3, above, to notify DEP of the

intent to use the approved chemical additive. The permittee may proceed with usage when the new chemical has been identified on DEP's Approved List and following DEP's receipt of the Chemical Additives Notification Form.

3. The permittee shall restrict usage of chemical additives to the maximum usage rates determined and reported to DEP on Chemical Additives Notification Forms.

C. Chemical Additives Usage Reporting Requirements

The "Chemical Additives Usage Form" (3800-FM-BPNPSM0439) shall be used to report the usage of chemical additives and shall be submitted as an attachment to the Discharge Monitoring Report (DMR) at the time the DMR is submitted.

- D. DEP may amend this permit to include WQBELs or otherwise control usage rates of chemical additives if there is evidence that usage is adversely affecting receiving waters, producing Whole Effluent Toxicity test failures, or is causing excursions of in-stream water quality standards.

IV. TRC EFFLUENT LIMITATIONS BELOW QUANTITATION LIMITS

- A. The calculated limits for Total Residual Chlorine (TRC) as specified in Part A of this permit are the limits necessary to comply with state water quality standards. These effluent limits are lower than the Quantitation Limit (QL), as defined in 25 Pa. Code § 252.1, of the most sensitive existing EPA-approved (40 CFR Part 136) test method or other DEP-approved method. If the sensitivity of the specified method improves or a more sensitive test method becomes available, DEP may modify the permit to require use of the more sensitive method.
- B. TRC shall be analyzed using one of the following test methods below, or an approved equivalent, to achieve a QL of 0.02 mg/l or less:
 - EPA 330.5 Spectrophotometric, DPD (SM 4500-Cl G, DPD Colorimetric Method)
 - EPA 330.4 Titrimetric, DPD-FAS (SM 4500-Cl F, DPD Ferrous Titrimetric Method)

For the purpose of compliance, a statistical value reported on the DMR that is less than the QL (i.e., "non-detect") will be considered to be in compliance.

- C. The permittee may develop a site-specific alternate MDL pursuant to the procedure contained in 40 CFR Part 136 Appendix B. DEP should be contacted for guidance before initiating this procedure.
- D. The permittee shall manage non-detect values and report statistical results to DEP in accordance with published DMR guidance (3800-BK-DEP3047 and 3800-FS-DEP4262). Where a mixed data set exists containing non-detect results and "detected" values (i.e., results greater than or equal to the QL), the QL shall be used for non-detect results to compute average statistical results.

V. REQUIREMENTS APPLICABLE TO STORMWATER OUTFALLS

- A. The permittee is authorized to discharge non-polluting stormwater from its site through the following outfalls:

Outfall No.	Area Drained (ft ²)	Latitude	Longitude	Description
002	262,600	41°28' 21"	75° 32' 57"	Grass & Parking
IMP 201	1,891,300	41°28'14.3"	75°32'59.8"	Stormwater Pond to 001
IMP 301	1,697,800	41°28'14.3"	75°32'59.8"	100 Year Rain Event to 001

Monitoring requirements and effluent limitations for these outfalls are specified in Part A of this permit, if applicable.

B. Preparedness, Prevention and Contingency (PPC) Plan

The permittee must develop and implement a PPC Plan in accordance with 25 Pa. Code § 91.34 following the guidance contained in DEP's "Guidelines for the Development and Implementation of Environmental Emergency Response Plans" (DEP ID 400-2200-001), its NPDES-specific addendum and the minimum requirements below. For existing facilities, the PPC Plan must be developed prior to permit issuance. For new facilities, the PPC Plan must be submitted to DEP no later than prior to startup of facility operation.

1. The PPC Plan must identify all potential sources of pollutants that may reasonably be expected to affect the quality of stormwater discharges from the facility.
2. The PPC Plan must describe preventative measures and best management practices (BMPs) that will be implemented to reduce or eliminate pollutants from coming into contact with stormwater resulting from routine site activities and spills.
3. The PPC Plan must address actions that will be taken in response to on-site spills or other pollution incidents.
4. The PPC Plan must identify areas which, due to topography or other factors, have a high potential for soil erosion, and identify measures to limit erosion. Where necessary, erosion and sediment control measures must be developed and implemented in accordance with 25 Pa. Code Chapter 102 and DEP's "Erosion and Sediment Pollution Control Manual" (DEP ID 363-2134-008).
5. The PPC Plan must address security measures to prevent accidental or intentional entry which could result in an unintentional discharge of pollutants.
6. The PPC Plan must include a plan for training employees and contractors on pollution prevention, BMPs, and emergency response measures.
7. If the facility is subject to SARA Title III, Section 313, the PPC Plan must identify releases of "Water Priority Chemicals" within the previous three years. Water Priority Chemicals are those identified in EPA's "Guidance for the Determination of Appropriate Methods for the Detection of Section 313 Water Priority Chemicals" (EPA 833-B-94-001, April 1994). The Plan must include an evaluation of all activities that may result in the stormwater discharge of Water Priority Chemicals.
8. Spill Prevention Control and Countermeasure (SPCC) plans may be used to meet the requirements of this section if the minimum requirements are addressed.
9. The PPC Plan shall be evaluated and if necessary updated on an annual basis, at a minimum, and when one or more of the following occur:
 - a. The Plan fails in an emergency;
 - b. There is a change in design, industrial process, operation, maintenance, or other circumstances, in a manner that materially increases the potential for fires, explosions or releases of toxic or hazardous constituents; or which changes the response necessary in an emergency;
 - c. The list of emergency coordinators or equipment changes; or
 - d. When notified in writing by DEP.

All updates must be kept on-site and be made available to DEP upon request.

C. Minimum Required BMPs

In addition to BMPs identified in the PPC Plan, the permittee shall implement the following minimum BMPs relating to stormwater pollution prevention:

1. If applicable, post-construction stormwater BMPs that are required under 25 Pa. Code Chapter 102 must be maintained.
2. For industrial facilities, the BMPs in the applicable Appendix to the NPDES PAG-03 General Permit for Discharges of Stormwater Associated with Industrial Activities that is currently in effect.
3. BMPs applicable to facilities with SIC Code 4911:
 - a. Ensure that all fuel tanks have secondary containment and leak detection; run-off from tank areas should be inspected and/or treated for oil and grease before discharge.
 - b. Use dust control and collection systems in all ash handling and transport systems.
 - c. Reclaim closed ash ponds and piles to minimize erosion and exposure to wind.
 - d. Develop and implement measures, including run-off controls, oil/water separation, etc., to minimize potential oil and grease contamination in run off from rail transfer/switchyard areas.

D. Annual Inspection and Compliance Evaluation

1. The permittee shall conduct an annual inspection of each outfall identified in paragraph A and record the results on the "Annual Inspection Form for NPDES Permits for Discharges of Stormwater Associated with Industrial Activities" (3800-PM-WSFR0083v). The permittee shall submit a copy of the completed and signed Annual Inspection Form to DEP at the address provided in Part A III.B.3 of this permit by January 28 of each year.
2. Areas contributing to a stormwater discharge associated with industrial activity shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. BMPs in the PPC Plan and required by this permit shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of this permit or whether additional control measures are needed.

E. Stormwater Sampling Requirements

If stormwater sampling is required in Part A of this permit, the following requirements apply:

1. The permittee shall record stormwater sampling event information on the "Additional Information for the Reporting of Stormwater Discharge Monitoring" form (3800-PM-WSFR0083t) and submit the form as an attachment to the DMR.
2. All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inch in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The 72-hour storm interval is waived when the preceding storm did not yield a measurable discharge, or if the permittee is able to document that a less than 72-hour interval is representative for local storm events during the sample period.
3. Grab samples shall be taken during the first 30 minutes of the discharge. If the collection of a grab sample during the first 30 minutes is not possible, a grab sample can be taken during the first hour of the discharge, in which case the discharger shall provide an explanation of why a grab sample during the first 30 minutes was not possible.



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Lackawanna Energy Center LLC
 ADDRESS Sunnyside & Valley View Road
Jessup, PA 18434
 FACILITY Lackawanna Energy Center
 LOCATION Jessup Borough
Lackawanna County
 WATERSHED 5-A

PA0275727
 PERMIT NUMBER

001
 OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Final

Reporting Frequency: Monthly
 DMR Effective From: April 1, 2016
 DMR Effective To: March 31, 2021
 Permit Expires: March 31, 2021
 Permit Application Due: October 1, 2020

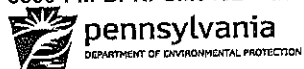
Check Here if No Discharge

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			
Flow	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	MGD	XXX	XXX	XXX			Continuous	Metered
pH	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		6.0 Min	XXX	9.0 IMAX	S.U.		1/day	Grab
Total Residual Chlorine (TRC)	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	0.02 Avg Mo	XXX	mg/L		1/day	Grab
Temperature (deg F) Jan 1 - 31	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	49.7 Daily Max	°F		1/day	I-S
Temperature (deg F) Feb 1 - 29	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	47.6 Daily Max	°F		1/day	I-S
Temperature (deg F) Mar 1 - 31	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	61.2 Daily Max	°F		1/day	I-S

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 POINT AND NON-POINT SOURCE MANAGEMENT
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PERMITTEE NAME/ADDRESS

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 ADDRESS Sunnyside & Valley View Road
Jessup, PA 18434
 FACILITY Lackawanna Energy Center
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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature (deg F) Apr 1 - 15	SAMPLE MEASUREMENT						65.0	°F		1/day	I-S
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Daily Max				
Temperature (deg F) Apr 16 - 30	SAMPLE MEASUREMENT						61.5	°F		1/day	I-S
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Daily Max				
Temperature (deg F) May 1 - 15	SAMPLE MEASUREMENT						60.7	°F		1/day	I-S
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Daily Max				
Temperature (deg F) May 16 - 31	SAMPLE MEASUREMENT						64.7	°F		1/day	I-S
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Daily Max				
Temperature (deg F) Jun 1 - 15	SAMPLE MEASUREMENT						66.7	°F		1/day	I-S
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Daily Max				
Temperature (deg F) Jun 16 - 30	SAMPLE MEASUREMENT						70.7	°F		1/day	I-S
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Daily Max				

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. § 4004 (relating to unsworn falsification).	TELEPHONE		DATE		
		AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



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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			
Temperature (deg F) Jul 1 - 31	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	73.6 Daily Max	°F	1/day	I-S
Temperature (deg F) Aug 1 - 31	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	72.3 Daily Max	°F	1/day	I-S
Temperature (deg F) Sep 1 - 15	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	68.0 Daily Max	°F	1/day	I-S
Temperature (deg F) Sep 16 - 30	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	62.0 Daily Max	°F	1/day	I-S
Temperature (deg F) Oct 1 - 15	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	57.1 Daily Max	°F	1/day	I-S
Temperature (deg F) Oct 16 - 31	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	53.1 Daily Max	°F	1/day	I-S

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		
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TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					
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**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)**

PERMITTEE NAME/ADDRESS

NAME Lackawanna Energy Center LLC
 ADDRESS Sunnyside & Valley View Road
Jessup, PA 18434
 FACILITY Lackawanna Energy Center
 LOCATION Jessup Borough
Lackawanna County
 WATERSHED 5-A

PA0275727
 PERMIT NUMBER

001
 OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Final

Reporting Frequency: Monthly
 DMR Effective From: April 1, 2016
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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature (deg F) Nov 1 - 15	SAMPLE MEASUREMENT						48.5	°F		1/day	I-S
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Daily Max				
Temperature (deg F) Nov 16 - 30	SAMPLE MEASUREMENT						44.9	°F		1/day	I-S
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Daily Max				
Temperature (deg F) Dec 1 - 31	SAMPLE MEASUREMENT						51.0	°F		1/day	I-S
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Daily Max				
Carbonaceous Biochemical Oxygen Demand (CBOD5)	SAMPLE MEASUREMENT						73.56	mg/L		1/week	24-Hr Composite
	PERMIT REQUIREMENT	XXX	XXX		XXX		Avg Mo				
Total Suspended Solids	SAMPLE MEASUREMENT						30.0	mg/L		1/week	24-Hr Composite
	PERMIT REQUIREMENT	Report Avg. Mo	XXX	lbs/day	XXX		100.0				
Total Dissolved Solids	SAMPLE MEASUREMENT						1,042	mg/L		1/week	24-Hr Composite
	PERMIT REQUIREMENT	Report Avg Mo	XXX	lbs/day	XXX		Avg Mo				

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		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Oil and Grease	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	15.0 Avg Mo	20.0 Daily Max	mg/L		1/day	Grab
Nitrate-Nitrite as N	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	10.4 Avg Mo	XXX	mg/L		1/week	24-Hr Composite
Total Nitrogen	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	Report Avg Mo	XXX	lbs/day	XXX	10.11 Avg Mo	XXX	mg/L		1/week	24-Hr Composite
Ammonia-Nitrogen	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	0.03 Avg Mo	XXX	mg/L		1/week	24-Hr Composite
Nitrate as N	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	12.09 Avg Mo	XXX	mg/L		1/week	24-Hr Composite
Nitrite an N	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	0.07 Avg Mo	XXX	mg/L		1/week	24-Hr Composite

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		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Total Phosphorus	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	Report Avg Mo	XXX	lbs/day	XXX	0.51 Avg Mo	XXX	mg/L		1/week	24-Hr Composite
Aluminum, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	Report Avg Mo	XXX	lbs/day	XXX	750 Avg Mo	1,875 Daily Max	µg/L		1/week	24-Hr Composite
Chromium, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	Report Avg Mo	XXX	lbs/day	XXX	200 Avg Mo	200 Daily Max	µg/L		1/week	24-Hr Composite
Copper, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	6.9 Avg Mo	17.2 Daily Max	µg/L		1/week	24-Hr Composite
Iron, Dissolved	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	Report Avg Mo	XXX	lbs/day	XXX	300 Avg Mo	750 Daily Max	µg/L		1/week	24-Hr Composite
Iron, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	Report Avg Mo	XXX	lbs/day	XXX	1,500 Avg Mo	3,750 Daily Max	µg/L		1/week	24-Hr Composite

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		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Lead, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	1.7 Avg Mo	4.3 Daily Max	µg/L		1/week	24-Hr Composite
Manganese, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	Report Avg Mo	XXX	lbs/day	XXX	1,000 Avg Mo	2,500 Daily Max	µg/L		1/week	24-Hr Composite
Mercury, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	0.1 Avg Mo	0.2 Daily Max	µg/L		1/week	24-Hr Composite
Nickel, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	6.9 Avg Mo	17.2 Daily Max	µg/L		1/week	24-Hr Composite
Selenium, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	9.5 Avg Mo	23.8 Daily Max	µg/L		1/week	24-Hr Composite
Sulfate, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	Report Avg Mo	XXX	lbs/day	XXX	245.27 Avg Mo	613.18 Daily Max	mg/L		1/week	24-Hr Composite

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Zinc, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	Report Avg Mo	XXX	lbs/day	XXX	146 Avg Mo	228 Daily Max	µg/L		1/week	24-Hr Composite
Priority Pollutants, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	Report Avg Mo	XXX	µg/L		Upon Request	24-Hr Composite
Chlorodibromomethane	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	3.4 Avg Mo	8.5 Daily Max	µg/L		1/week	24-Hr Composite
Dichlorobromomethane	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	4.7 Avg Mo	11.7 Daily Max	µg/L		1/week	24-Hr Composite
Bis(2-Ethylhexyl)Phthalate	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	10.3 Avg Mo	25.8 Daily Max	µg/L		1/week	24-Hr Composite
Chloroform	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	48.6 Avg Mo	121.6 Daily Max	µg/L		1/week	24-Hr Composite

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		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Chloride	PERMIT REQUIREMENT	Report	XXX		XXX	207.7 Avg Mo	519.3 Daily Max	mg/L		1/week	Grab
	SAMPLE MEASUREMENT										

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PA0275727	002
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		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	S.U.		1/year	Grab
Total Suspended Solids	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		1/year	Grab
Oil and Grease	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		1/year	Grab
Copper, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		1/year	Grab
Iron, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		1/year	Grab
Nickel, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		1/year	Grab

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		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Zinc, Total	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		1/year	Grab

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		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	S.U.		1/year	Grab
Total Suspended Solids	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		1/year	Grab
Oil and Grease	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		1/year	Grab
Copper, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		1/year	Grab
Iron, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		1/year	Grab
Nickel, Total	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		1/year	Grab

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		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Zinc, Total	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		1/year	Grab

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		
		AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")						



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME Lackawanna Energy Center LLC
 ADDRESS Sunnyside & Valley View Road
Jessup, PA 18434
 FACILITY Lackawanna Energy Center
 LOCATION Jessup Borough
Lackawanna County
 WATERSHED 5-A

PA0275727
 PERMIT NUMBER

301
 OUTFALL NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Final
 Reporting Frequency: Annually
 DMR Effective From: April 1, 2016
 DMR Effective To: March 31, 2021
 Permit Expires: March 31, 2021
 Permit Application Due: October 1, 2020

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	UNITS			
pH	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	S.U.		Daily when Discharging	Grab
	SAMPLE MEASUREMENT										
Total Suspended Solids	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		Daily when Discharging	Grab
	SAMPLE MEASUREMENT										
Oil and Grease	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		Daily when Discharging	Grab
	SAMPLE MEASUREMENT										
Copper, Total	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		Daily when Discharging	Grab
	SAMPLE MEASUREMENT										
Iron, Total	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		Daily when Discharging	Grab
	SAMPLE MEASUREMENT										
Nickel, Total	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L		Daily when Discharging	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 15 Pa. C.S. § 4904 (relating to unsworn falsification).	TELEPHONE		DATE		
		AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
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Final

Reporting Frequency: Annually
 DMR Effective From: April 1, 2016
 DMR Effective To: March 31, 2021
 Permit Expires: March 31, 2021
 Permit Application Due: October 1, 2020

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			
Zinc, Total	PERMIT REQUIREMENT	XXX	XXX		XXX	XXX	Report Daily Max	mg/L	Daily when Discharging	Grab

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		
		AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	COMMENTS (Report all violations on the "Non-Compliance Reporting Form")				



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).

- 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 DEP on the 28th day of the month following the end of the reporting period, unless otherwise specified in Part C of your permit.
- 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-BPNPSM0462 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-BPNPSM0462 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-BPNPSM0440) 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.

Supplemental Form Inventory

The following supplemental forms (indicated in the check box column) are attached to this permit and must be completed and submitted to DEP in accordance with the permit and the supplemental form instructions. If the eDMR system is used to submit DMR reports, the spreadsheet versions of these supplemental forms, where applicable, should be used and attached to the eDMR submissions. A link to DEP's supplemental form website is available when logging into the eDMR system.

Check Box	Supplemental Form Name and No.
<input checked="" type="checkbox"/>	Daily Effluent Monitoring (3800-FM-BPNPSM0435)
<input type="checkbox"/>	Influent & Process Control (3800-FM-BPNPSM0436)
<input type="checkbox"/>	Hauled in Municipal Wastes (3800-FM-BPNPSM0437)
<input type="checkbox"/>	Sewage Sludge/Biosolids Production and Disposal (3800-FM-BPNPSM0438)
<input checked="" type="checkbox"/>	Chemical Additives Usage (3800-FM-BPNPSM0439)
<input checked="" type="checkbox"/>	Non-Compliance Reporting Form (3800-FM-BPNPSM0440)
<input type="checkbox"/>	CSO Monthly Summary Report (3800-FM-BPNPSM0441)
<input type="checkbox"/>	CSO Detailed Report (3800-FM-BPNPSM0442)
<input type="checkbox"/>	Groundwater Monitoring Data Report (3800-FM-BPNPSM0443)
<input type="checkbox"/>	TMDL Annual Load Summary (3800-FM-BPNPSM0448)
<input type="checkbox"/>	Land Application Systems (3800-FM-BPNPSM0449)
<input type="checkbox"/>	Hauled in Residual Wastes (3800-FM-BPNPSM0450)
<input type="checkbox"/>	Surface Water Monitoring Data Report (3800-FM-BPNPSM0461)
<input checked="" type="checkbox"/>	Lab Accreditation Form (3800-FM-BPNPSM0189)
<input type="checkbox"/>	Whole Effluent Toxicity Test Summary Report (3800-FM-BPNPSM0485)
<input checked="" type="checkbox"/>	Storm Water Annual Inspection Form (3800-PM-WSFR0083v)
<input checked="" type="checkbox"/>	Storm Water Additional Information (3800-PM-WSFR0083t)
<input checked="" type="checkbox"/>	Other: eDMR Requirement



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

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: LACKAWANNA ENERGY CENTER
Municipality: Jessup Borough County: Lackawanna
Watershed: 5-A
Laboratories: _____

Month: _____ Year: _____
NPDES Permit No.: PA0275727 Outfall No.: 001
Renewal application due 180 days prior to expiration
This permit will expire on March 31, 2021

Day	Effluent Parameters																	
	Flow		pH		TRC		Temperature		CBOD5		TSS		Total Dissolved Solids		Oil and Grease		Nitrate-Nitrite	
	Q	MGD	Q	S.U.	Q	mg/L	Q	°F	Q	mg/L	Q	lbs/day	Q	lbs/day	Q	mg/L	Q	mg/L
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
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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 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: _____
Title: _____

Signature: _____
Date: _____

Facility Name: LACKAWANNA ENERGY CENTER
 Municipality: Jessup Borough County: Lackawanna
 Watershed: 5-A
 Laboratories: _____

Month: _____ Year: _____
 NPDES Permit No.: PA0275727
 Renewal application due 180 days prior to expiration
 This permit will expire on March 31, 2021

Effluent Parameters

Day	Total Nitrogen		Ammonia		Nitrate		Nitrite		Total Phosphorus		Total Aluminum		Total Chromium		Total Copper		Dissolved Iron	
	Q	lbs/day	Q	mg/L	Q	mg/L	Q	mg/L	Q	lbs/day	Q	lbs/day	Q	lbs/day	Q	ug/L	Q	lbs/day
	1																	
2																		
3																		
4																		
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Prepared By: _____
 Title: _____

Signature: _____
 Date: _____

Facility Name: LACKAWANNA ENERGY CENTER
 Municipality: Jessup Borough County: Lackawanna
 Watershed: 5-A
 Laboratories: _____

Month: _____ Year: _____
 NPDES Permit No.: PA0275727 Outfall No.: 001
 Renewal application due 180 days prior to expiration
 This permit will expire on March 31, 2021

Day	Effluent Parameters																	
	Total Iron		Total Lead		Total Manganese		Total Mercury		Total Nickel		Total Selenium		Sulfate		Total Zinc		Total Priority Pollutants	
	Q	lbs/day	Q	ug/L	Q	lbs/day	Q	ug/L	Q	ug/L	Q	ug/L	Q	lbs/day	Q	lbs/day	Q	ug/L
1																		
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Prepared By: _____
 Title: _____

Signature: _____
 Date: _____

Facility Name: LACKAWANNA ENERGY CENTER
 Municipality: Jessup Borough County: Lackawanna
 Watershed: 5-A
 Laboratories: _____

Month: _____ Year: _____
 NPDES Permit No.: PA0275727 Outfall No.: 001
 Renewal application due 180 days prior to expiration
 This permit will expire on March 31, 2021

Day	Effluent Parameters													
	Chloride		Chlorodibromo- methane		Dichlorobromo- methane		Bis(2-Ethyl- hexyl)Phthalate		Chloroform					
	Q	lbs/day	Q	µg/L	Q	µg/L	Q	µg/L	Q	µg/L	Q		Q	
1														
2														
3														
4														
5														
6														
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31														
Avg														

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Prepared By: _____
 Title: _____

Signature: _____
 Date: _____



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

SUPPLEMENTAL REPORT – CHEMICAL ADDITIVES USAGE

Facility Name: Lackawanna Energy Center
 Municipality: Jessup Borough County: Lackawanna
 Watershed: 5-A

Month: _____ Year: _____
 NPDES Permit No.: PA0275727 Outfall No.: _____
 Renewal application due **180 days** prior to expiration
 This permit will expire on **March 31, 2021**

Day	Chemical Names															
	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs	gallons	lbs
1																
2																
3																
4																
5																
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Maximum																

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Prepared By: _____
 Title: _____

Signature: _____
 Date: _____



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

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: Lackawanna Energy Center
Municipality: Jessup Borough County: Lackawanna

Month: _____ Year: _____
Permit No.: PA0275727

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

ANNUAL INSPECTION FORM
FOR NPDES PERMITS FOR DISCHARGES OF
STORMWATER ASSOCIATED WITH INDUSTRIAL ACTIVITIES

<p>1. Date of Inspection _____</p> <p>3. NPDES Permit # <u>PA0275727</u></p>	<p>2. Facility Owner/Operator Name and Address: <u>Lackawanna Energy Center LLC</u> <u>One South Wacker Drive</u> <u>Chicago, IL 60606</u></p> <p>Tel: <u>(312)224-2241</u> Fax: <u>312.224.1455</u></p>
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4. Facility Address and Location

Street Sunnyside & Valley View Road, Jessup, PA 18434

Municipality Jessup Borough County Lackawanna

VISUAL INSPECTION

Provide the following information for the storm event

5. Duration _____

6. Estimation of rainfall (in inches) † _____

† The annual inspection should be conducted after a storm event that is greater than 0.1 inches in magnitude and that occurred at least 72 hours from the previous 0.1 inch storm event.

7. Estimate the time between the previous rain event _____

8. Estimate the total volume (in gallons) for each outfall and report it in item 9.
 Volume = C x I x A,
 where C is the runoff coefficient (i.e. 0.9 for paved and 0.5 for unpaved)
 I is the rainfall amount (in ft), and
 A is the area (square feet) drained to the outfall inspected
 (convert from cubic feet to gallons by multiplying by 7.481).

9. Estimate the size of the drainage area (in square feet) for each outfall.

Outfall #	Drainage Area	% Paved	% Unpaved	Volume in gallons

Complete the following information for each outfall inspected (items 10 through 15)

VISUAL INSPECTION OF OUTFALL NUMBER

10. Description of area(s) that drains to outfall. _____

11. Description of stormwater management practices, erosion and sedimentation control practices, and other structural control measures that are in place to control pollutants from running off-site.

12. Is there visible flow from the pipe? Yes No (Go to number 14) Pipe Dia. (inches) _____

a. ODOR: Chemical Musty Sewage Rotten Eggs Other _____

b. COLOR: Clear Red Yellow Brown Other _____

c. CLARITY: Clear Cloudy Opaque Suspended Solids Other _____

d. FLOATABLES: Suds Oily Film Garbage Sewage Other _____

e. DEPOSITS/STAINS: None Oily Sediment Other _____

f. VEGETATION: None Normal Excessive Inhibited Other _____

13. Is there standing water present? Yes No (Go to number 16)

a. ODOR: Chemical Musty Sewage Rotten Eggs Other _____

b. COLOR: Clear Red Yellow Brown Other _____

c. CLARITY: Clear Cloudy Opaque Suspended Solids Other _____

d. FLOATABLES: Suds Oily Film Garbage Sewage Other _____

e. DEPOSITS/STAINS: None Oily Sediment Other _____

f. VEGETATION: None Normal Excessive Inhibited Other _____

14. Is there any evidence of or potential for any pollutant being discharged at this outfall? Yes No

Describe: _____

If yes, identify substances present in the sediment (if possible). _____

15. Description of corrective measures taken or planned to remove sediments or debris if found during inspection. Please provide a schedule if actions are planned.

COMPREHENSIVE SITE COMPLIANCE EVALUATION

16. Do drainage maps reflect current conditions? Yes No

If no, provide your comments.

Comments: _____

17. Based on review of PPC Plan (including Housekeeping Measures), are any changes, corrections or updates necessary? Yes No

If yes, provide your comments.

Comments: _____

18. Have you inspected all structural stormwater controls used to implement the PPC Plan to determine if they are adequate? Yes No

If no, provide your comments.

Comments: _____

19. Have you inspected the entire site to determine if erosion and sedimentation control measures are adequate? Yes No

If no, provide your comments.

Comments: _____

20. Summarize corrective actions/asures completed or planned to correct any deficiencies found as a result of the inspection. Please provide a schedule if actions are planned.

21. Signature of Inspector

Name of Inspector: _____

Date Report Prepared: _____

Signature of Inspector: _____

22. Signature of Owner/Operator of Facility

Name/Title Principal Executive Officer

Signature

Date

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT SEE 18 Pa. C.S. §4904 (relating to unsworn falsification).



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 are normally reported on Form 3800-FM-BPNPSM0436.

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-BPNPSM0463) and DEP guidance (3800-BK-DEP3047). 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 BOD₅ or CBOD₅ 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.



INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

CHEMICAL ADDITIVES USAGE

1. Enter Facility Name, Municipality, County, Watershed No., Month, Year, NPDES Permit No., Outfall No. and Permit Expiration Date. A separate sheet is required for each outfall that receives chemical additives.
2. In the spaces below the Chemical Names header in the table, enter the chemical additives used at the facility. If more than eight additives are used per Outfall, add more sheets.
3. Enter the daily usage rates for each chemical. Enter additives introduced in liquid form in the "gallons" column and additives in solid form (or if you have calculated the mass equivalent of liquid additives) under the "lbs" column.
4. Calculate the average and maximum usage rates for each chemical at the bottom of the table.
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.

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



INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

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.

If you have questions about completing this form, contact the Clean Water Program 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) 327-0532
Southwest Region – (412) 442-4060
Northwest Region – (814) 332-6942

