

Application Type New
Facility Type Industrial
Major / Minor Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL INDUSTRIAL WASTE (IW)
AND IW STORMWATER**

Application No. PA0282014
APS ID 1138624
Authorization ID 1529468

Applicant and Facility Information

Applicant Name	<u>INGENCO Wholesale Power LLC</u>	Facility Name	<u>INGENCO Wholesale Power</u>
Applicant Address	<u>201 Helios Lane</u> <u>Houston, TX 77079</u>	Facility Address	<u>5074 Buchanan Trail West</u> <u>Greencastle, PA 17225</u>
Applicant Contact	<u>Emily Zambuto</u>	Facility Contact	<u>Jon Witmer</u>
Applicant Phone	<u>(585) 948-4616</u>	Facility Phone	<u>(475) 747-1120</u>
Client ID	<u>320651</u>	Site ID	<u>880663</u>
SIC Code	<u>4911</u>	Municipality	<u>Peters Township & Montgomery Township</u>
SIC Description	<u>Trans. & Utilities - Electric Services</u>	County	<u>Franklin</u>
Date Application Received	<u>May 30, 2025</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>June 16, 2025</u>	If No, Reason	<u></u>
Purpose of Application	<u>New NPDES Permit.</u>		

Summary of Review

INGENCO Whole Power LLC (Ingenco) has applied to the Pennsylvania Department of Environmental Protection (DEP) for issuance of an NPDES Permit for discharges of their industrial wastewater into surface water(s) of the Commonwealth.

Based on the review outlined in this fact sheet, it is recommended that the permit be drafted.

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Approve	Deny	Signatures	Date
X		<i>Jinsu Kim</i> Jinsu Kim / Environmental Engineering Specialist	March 17, 2026
x		<i>Maria D. Bebenek for</i> Daniel W. Martin, P.E. / Environmental Engineer Manager	March 26, 2026
x		<i>Maria D. Bebenek</i> Maria D. Bebenek, P.E. / Program Manager	March 26, 2026

Facility Information

Ingenco owned by Archaea Energy (Archaea) is located at 5074 Buchanan Trail West, Greencastle, PA 17225. The facility is situated in Peters Township and Montgomery Township of Franklin County. This is an existing facility and under the standard industrial classification code of 4911 (Electric Services), Ingenco is a biomass electric power generation company utilizing landfill gas (LFG) from the Waste Management Pine Grove Landfill to generate electricity for use in the power grid. The industrial process according to the application is as follows:

1. Filtration – LFG will pass through a series of filters designed to remove particulates and free moisture in the raw LFG.
2. Dewatering – LFG will pass through a series of moisture knockout vessels as well as mechanical chillers for dewatering.
3. Gas blowers will pressurize LFG in which gas is then burned in the combustion system which producing electricity from high pressure gas stream spins generators.
4. Final electrical output I then sold to PJM Interconnection, an electrical power grid which serves the areas of PA, NJ, MD, DE, and DC.

Within 3 acres, the site consists of an operation building including generators, an office, and a fuel storage area. There is no chemical being used at the site according to the application.

During the production process, Ingenco generates a cooling water blowdown, plant wash water and sanitary wastewater. The application states that the discharge of cooling water blowdown (non-contact cooling water) is continuous, and the discharge rate is 0.005485 MGD. The facility currently has no treatment unit for non-contact cooling water. Plant wash water is stored in the tank prior to be haul off-site for ultimate disposal. Sanitary wastewater generated in the office is sent to a local municipal wastewater treatment facility (i.e., Peters Township Sewer Authority).

As source of water for production, the facility utilizes two (2) groundwater wells; primary well is rated for 80 GPM backup well is rated for 50 GPM. Potable water is supplied by Bear Valley Water Authority to the office.

Ingenco utilizes two (2) outfalls; Outfall 001 receives stormwater from the fuel storage area containment and roofs; Outfall 002 receives non-contact cooling water and stormwater from the roofs and parking areas. These outfalls are located in dry swales. The nearest surface water is an unnamed tributary 59823 to Conococheague Creek. The river mile (from mouth to the discharge point) is approximately 2 miles.

The nearest downstream public water supply intake is Conococheague Creek located at PA-MD border line approximately 10 miles from the discharge. Given the nature and distance, the discharge is not expected to impact any further water supply.

Based on the industrial activities performed and type of discharge occurred at the site, this facility is considered a minor industrial facility without ELG. EPA's NPDES Permit Rating Work Sheet which is attached to this fact sheet confirms that this facility is a minor facility.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>39° 47' 55.93"</u>	Longitude	<u>-77° 48' 3.97"</u>
Quad Name	<u>Williamson</u>	Quad Code	<u></u>
Wastewater Description: <u>Stormwater</u>			

Outfall No.	<u>002</u>	Design Flow (MGD)	<u>.005485</u>
Latitude	<u>39° 48' 3.47"</u>	Longitude	<u>-77° 48' 4.07"</u>
Quad Name	<u>Williamson</u>	Quad Code	<u></u>
Wastewater Description: <u>Noncontact Cooling Water (NCCW) & Stormwater</u>			

Receiving Waters	<u>Unnamed Tributary to Conococheague Creek (WWF, MF)</u>	Stream Code	<u>59823</u>
NHD Com ID	<u>134369000</u>	RMI	<u>2.0</u>
Drainage Area	<u>0.29</u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>0.0101</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStats</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>13-C</u>	Chapter 93 Class.	<u>WWF, MF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>

Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u></u>	Name	<u></u>

Nearest Downstream Public Water Supply Intake	<u>PA-MD line</u>
PWS Waters	<u>Conococheague Creek</u>
PWS RMI	<u></u>
Flow at Intake (cfs)	<u></u>
Distance from Outfall (mi)	<u>~10</u>

Compliance History

Summary of DMRs:	No DMR available; this is a new NPDES permit for the existing facility/discharge.
Summary of Inspections:	No inspection available; this is a new NPDES permit for the existing facility/discharge.
Other Comments:	No compliance history available; this is a new NPDES permit for the existing facility/discharge.

Development of Effluent Limitations

Outfall No. 001	Design Flow (MGD) 0
Latitude 39° 47' 59.54"	Longitude -77° 47' 57.17"
Wastewater Description: Stormwater	

Outfall No. 002	Design Flow (MGD) .005485
Latitude 39° 48' 2.88"	Longitude -77° 48' 2.98"
Wastewater Description: Noncontact Cooling Water (NCCW) and Stormwater	

Technology-Based Limitations

The federal effluent guidelines and effluent limitations (ELGs) are not applicable for NCCW discharges from this facility.

The facility is subject to the state effluent standard for pH found in 25 Pa Code §95.2(1).

Since the facility does not utilize chlorination, effluent standards for TRC found in 25 Pa Code §94(b)(1) are not applicable.

Oil and Grease has been consistently non-detected in effluent samples provided with the application; therefore, effluent standards found in 25 Pa Code §95.2(2) are not applicable.

For stormwater discharges, DEP typically uses permit requirements specified in NPDES PAG-03 General Permit as guidance to develop permit requirements for individual industrial waste NPDES permit. Given the SIC code, INGENCO would be subject to Appendix H – Steam Electric Generating Facilities. This appendix requires a semi-annual monitoring of TN, TP, pH, TSS, Oil and Grease, and Total Iron. As a result, these parameters will be included in the permit for both outfalls. It is noteworthy that because stormwater is commingled with noncontact cooling water, a footnote will be provided in the permit to collect samples of stormwater when discharges of non-contact cooling water do not occur and vice versa to obtain the samples that are representative.

Water Quality-Based Limitations

A reasonable potential analysis using WQM is not needed as the discharge is non-contact cooling water.

Based on the sample results provided as part of the application, it appears that there are no toxic parameters presented in the effluent at the level of concern (i.e., mostly non-detected or below water quality criteria). No Toxics Management Spreadsheet has therefore been utilized.

DEP’s Thermal Limits Spreadsheet is typically utilized when a thermal discharge occurs from the facility. Given the volume of NCCW discharged from this facility and the fact that the discharge is to a swale prior to being discharged to unnamed tributary of Conococheague Creek, there will likely be significant cooling available before discharges directly into perennial surface waters of the Commonwealth. Therefore, no reasonable potential analysis has been performed. However, a routine monitoring for effluent temperature will still be included in the permit. In case the data collected during the upcoming permit term indicates temperature at the levels of concern, DEP will revisit this requirement and develop any appropriate permit requirements.

A water quality modeling is not applicable as the discharge rate varies and is solely dependent on precipitation.

Best Professional Judgment (BPJ) Limitations

In addition to abovementioned temperature requirements, Part C of the permit will include the following standard narrative effluent limits associated with thermal discharges.

- 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 the permit.

Additional Considerations

Flow Monitoring

Flow monitoring will remain in the permit and is required by 40 CFR § 122.44(i)(1)(ii).

Chemical Additive

The facility does not utilize any chemical additive per the application as well as supplemental information.

PFAS Monitoring

Given the data provided in the application, all PFAS constituents, except for PFOA have been non-detected in all three effluent samples and two (2) groundwater samples. PFOA was detected in two of three effluent samples with the concentration of 4.5 and 5.7 ng/L. A quarterly monitoring is recommended for PFAS constituents including PFOA, PFOS, HFPO-DA and PFBS. This approach is consistent with DEP's SOP no. BCW-PMT-032. The following language will also be included in the permit:

The permittee may discontinue monitoring for PFOA, PFOS, HFPO-DA, and PFBS if the results in 4 consecutive monitoring periods indicate non-detects at or below Quantitation Limits of 4.0 ng/L for PFOA, 3.7 ng/L for PFOS, 3.5 ng/L for PFBS and 6.4 ng/L for HFPO-DA. When monitoring is discontinued, permittees should enter a No Discharge Indicator (NODI) Code of "GG" on DMRs.

Nutrient Monitoring

NCCW is not expected to contribute nutrients to waters of the Commonwealth given the nature of the discharge. No further monitoring is recommended other than stormwater discharge requirements.

Anti-Degradation requirements

The effluent limits for this discharge have been developed to ensure the existing in-stream uses and the level of water quality necessary to protect the existing uses are maintained and protected.

Class A Wild Trout Fishery

No Class A Wild Trout is impacted by this discharge.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (386-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the “NPDES Permit Writer’s Manual” (386-0400-001), SOPs and/or BPJ.

Outfall 002, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0	XXX	1/month	Grab
Temperature (°F)	XXX	XXX	XXX	Report	Report	XXX	1/month	I-S
PFOA (ng/L)	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
PFOS (ng/L)	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
PFBS (ng/L)	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
HFPO-DA (ng/L)	XXX	XXX	XXX	XXX	Report	XXX	1/quarter	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Tools and References Used to Develop Permit	
<input type="checkbox"/>	WQM for Windows Model (see Attachment [redacted])
<input type="checkbox"/>	Toxics Management Spreadsheet (see Attachment [redacted])
<input type="checkbox"/>	TRC Model Spreadsheet (see Attachment [redacted])
<input type="checkbox"/>	Temperature Model Spreadsheet (see Attachment [redacted])
<input type="checkbox"/>	Water Quality Toxics Management Strategy, 361-0100-003, 4/06.
<input type="checkbox"/>	Technical Guidance for the Development and Specification of Effluent Limitations, 386-0400-001, 10/97.
<input type="checkbox"/>	Policy for Permitting Surface Water Diversions, 386-2000-019, 3/98.
<input type="checkbox"/>	Policy for Conducting Technical Reviews of Minor NPDES Renewal Applications, 386-2000-018, 11/96.
<input type="checkbox"/>	Technology-Based Control Requirements for Water Treatment Plant Wastes, 386-2183-001, 10/97.
<input type="checkbox"/>	Technical Guidance for Development of NPDES Permit Requirements Steam Electric Industry, 386-2183-002, 12/97.
<input type="checkbox"/>	Pennsylvania CSO Policy, 386-2000-002, 9/08.
<input type="checkbox"/>	Water Quality Antidegradation Implementation Guidance, 391-0300-002, 11/03.
<input type="checkbox"/>	Implementation Guidance Evaluation & Process Thermal Discharge (316(a)) Federal Water Pollution Act, 386-2000-008, 4/97.
<input type="checkbox"/>	Determining Water Quality-Based Effluent Limits, 386-2000-004, 12/97.
<input type="checkbox"/>	Implementation Guidance Design Conditions, 386-2000-007, 9/97.
<input type="checkbox"/>	Technical Reference Guide (TRG) WQM 7.0 for Windows, Wasteload Allocation Program for Dissolved Oxygen and Ammonia Nitrogen, Version 1.0, 386-2000-016, 6/2004.
<input type="checkbox"/>	Interim Method for the Sampling and Analysis of Osmotic Pressure on Streams, Brines, and Industrial Discharges, 386-2000-012, 10/1997.
<input type="checkbox"/>	Implementation Guidance for Section 95.6 Management of Point Source Phosphorus Discharges to Lakes, Ponds, and Impoundments, 386-2000-009, 3/99.
<input type="checkbox"/>	Technical Reference Guide (TRG) PENTOXSD for Windows, PA Single Discharge Wasteload Allocation Program for Toxics, Version 2.0, 386-2000-015, 5/2004.
<input type="checkbox"/>	Implementation Guidance for Section 93.7 Ammonia Criteria, 386-2000-022, 11/97.
<input type="checkbox"/>	Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers, 386-2000-013, 4/2008.
<input type="checkbox"/>	Implementation Guidance Total Residual Chlorine (TRC) Regulation, 386-2000-011, 11/1994.
<input type="checkbox"/>	Implementation Guidance for Temperature Criteria, 386-2000-001, 4/09.
<input type="checkbox"/>	Implementation Guidance for Section 95.9 Phosphorus Discharges to Free Flowing Streams, 386-2000-021, 10/97.
<input type="checkbox"/>	Implementation Guidance for Application of Section 93.5(e) for Potable Water Supply Protection Total Dissolved Solids, Nitrite-Nitrate, Non-Priority Pollutant Phenolics and Fluorides, 386-2000-020, 10/97.
<input type="checkbox"/>	Field Data Collection and Evaluation Protocol for Determining Stream and Point Source Discharge Design Hardness, 386-2000-005, 3/99.
<input type="checkbox"/>	Implementation Guidance for the Determination and Use of Background/Ambient Water Quality in the Determination of Wasteload Allocations and NPDES Effluent Limitations for Toxic Substances, 386-2000-010, 3/1999.
<input type="checkbox"/>	Design Stream Flows, 386-2000-003, 9/98.
<input type="checkbox"/>	Field Data Collection and Evaluation Protocol for Deriving Daily and Hourly Discharge Coefficients of Variation (CV) and Other Discharge Characteristics, 386-2000-006, 10/98.
<input type="checkbox"/>	Evaluations of Phosphorus Discharges to Lakes, Ponds and Impoundments, 386-3200-001, 6/97.
<input type="checkbox"/>	Pennsylvania's Chesapeake Bay Tributary Strategy Implementation Plan for NPDES Permitting, 4/07.
<input type="checkbox"/>	SOP: [redacted]
<input type="checkbox"/>	Other: [redacted]

NPDES Permit Rating Work Sheet

- Regular Addition
- Discretionary Addition
- Score change, but no status change
- Deletion

NPDES No.: PA0282014

Facility Name:
INGENCO Wholesale Power LLC

City: Greencastle

Receiving Water: Unnammed Tributary to Conococheague Creek

Reach Number: 59823

Is this facility a steam electric power plant (SIC=4911) with one or more of the following characteristics?

1. Power output 500 MW or greater (not using a cooling pond/lake)
 2. A nuclear power plant
 3. Cooling water discharge greater than 25% of the receiving stream's 7Q10 flow rate
- YES; score is 600 (stop here) NO (continue)

Is this permit for a municipal separate storm sewer serving a population greater than 100,000?

- YES; score is 700 (stop here)
 NO (continue)

FACTOR 1: Toxic Pollutant Potential

PCS SIC Code: _____ Primary SIC Code: 4911

Other SIC Codes: _____

Industrial Subcategory Code: _____ (Code 000 if no subcategory)

Determine the Toxicity potential from Appendix A. (Be sure to use the TOTAL toxicity potential column and check one)

Toxicity Group	Code	Points	Toxicity Group	Code	Points	Toxicity Group	Code	Points
<input checked="" type="checkbox"/> No process waste streams	0	0	<input type="checkbox"/> 3.	3	15	<input type="checkbox"/> 7	7	35
<input type="checkbox"/> 1.	1	5	<input type="checkbox"/> 4.	4	20	<input type="checkbox"/> 8.	8	40
<input type="checkbox"/> 2.	2	10	<input type="checkbox"/> 5.	5	25	<input type="checkbox"/> 9.	9	45
			<input type="checkbox"/> 6.	6	30	<input type="checkbox"/> 10.	10	50

Code Number Checked: _____

Total Points Factor 1: 0

FACTOR 2: Flow/Stream Flow Volume *(Complete either Section A or Section B; check only one)*

Section A - Wastewater Flow Only Considered

Wastewater type (See Instructions)	Code	Points
Type I: Flow < 5 MGD	<input type="checkbox"/> 11	0
Flow 5 to 10 MGD	<input type="checkbox"/> 12	10
Flow > 10 to 50 MGD	<input type="checkbox"/> 13	20
Flow > 50 MGD	<input type="checkbox"/> 14	30
Type II: Flow < 1 MGD	<input type="checkbox"/> 21	10
Flow 1 to 5 MGD	<input type="checkbox"/> 22	20
Flow > 5 to 10 MGD	<input type="checkbox"/> 23	30
Flow > 10 MGD	<input type="checkbox"/> 24	50
Type III: Flow < 1 MGD	<input checked="" type="checkbox"/> 31	0
Flow 1 to 5 MGD	<input type="checkbox"/> 32	10
Flow > 5 to 10 MGD	<input type="checkbox"/> 33	20
Flow > 10 MGD	<input type="checkbox"/> 34	30

Section B - Wastewater and Stream Flow Considered

Wastewater type (See Instructions)	Percent of Instream Wastewater Concentration at Receiving Stream Low Flow	Code	Points
Type I/III:	<10%	<input type="checkbox"/> 41	0
	≥10% to <50%	<input type="checkbox"/> 42	10
	≥50%	<input checked="" type="checkbox"/> 43	20
Type II	<10%	<input type="checkbox"/> 51	0
	≥10% to <50%	<input type="checkbox"/> 52	20
	≥50%	<input type="checkbox"/> 53	30

Code Checked from Section A or B: 31

Total Points Factor 2: 20

NPDES Permit Rating Work Sheet

FACTOR 3: Conventional Pollutants
(only when limited by the permit)

NPDES No.: PA0282014

A. Oxygen Demanding Pollutants (check one) BOD COD OTHER: _____

Permit Limits (check one)			Code	Points
<input checked="" type="checkbox"/>	<100 lbs/day		1	0
<input type="checkbox"/>	100 to 1000 lbs/day		2	5
<input type="checkbox"/>	>1000 to 3000 lbs/day		3	15
<input type="checkbox"/>	>3000 lbs/day		4	20

Code Checked: _____

Points Scored: 0

B. Total Suspended Solids (TSS)

Permit Limits (check one)			Code	Points
<input checked="" type="checkbox"/>	<100 lbs/day		1	0
<input type="checkbox"/>	100 to 1000 lbs/day		2	5
<input type="checkbox"/>	>1000 to 5000 lbs/day		3	15
<input type="checkbox"/>	>5000 lbs/day		4	20

Code Checked: _____

Points Scored: 0

C. Nitrogen Pollutants (check one)

Ammonia OTHER: _____

Permit Limits (check one)	Nitrogen Equivalent		Code	Points
<input checked="" type="checkbox"/>	<300 lbs/day		1	0
<input type="checkbox"/>	300 to 1000 lbs/day		2	5
<input type="checkbox"/>	>1000 to 3000 lbs/day		3	15
<input type="checkbox"/>	>3000 lbs/day		4	20

Code Checked: _____

Points Scored: 0

Total Points Factor 3: 0

FACTOR 4: Public Health Impact

Is there a public drinking water supply located within 50 miles downstream of the effluent discharge (this includes any body of water to which the receiving water is a tributary)? A public drinking water supply may include infiltration galleries, or other methods of conveyance that ultimately get water from the above referenced supply.

YES (if yes, check toxicity potential number below)

NO (if no, go to Factor 5)

*Determine the human health toxicity potential from Appendix A. Use the same SIC Code and subcategory reference as in Factor 1. (Be sure to use the human health toxicity group column and **check one below**)*

Toxicity Group	Code	Points	Toxicity Group	Code	Points	Toxicity Group	Code	Points
<input type="checkbox"/> No process waste streams	0	0	<input type="checkbox"/> 3.	3	0	<input type="checkbox"/> 7.	7	15
<input type="checkbox"/> 1.	1	0	<input type="checkbox"/> 4.	4	0	<input type="checkbox"/> 8.	8	20
<input type="checkbox"/> 2.	2	0	<input type="checkbox"/> 5.	5	5	<input type="checkbox"/> 9.	9	25
			<input type="checkbox"/> 6.	6	10	<input type="checkbox"/> 10.	10	30

Code Number Checked: _____

Total Points Factor 4: 0

NPDES Permit Rating Work Sheet

FACTOR 5: Water Quality Factors

NPDES No.: PA0282014

A. Is (or will) one or more of the effluent discharge limits based on water quality factors of the receiving stream (rather than technology-based federal effluent guidelines, or technology-based state effluent guidelines), or has a wasteload allocation been assigned to the discharge?

	Code	Points
<input type="checkbox"/> YES	1	10
<input checked="" type="checkbox"/> NO	2	0

B. Is the receiving water in compliance with applicable water quality standards for pollutants that are water quality limited in the permit?

	Code	Points
<input checked="" type="checkbox"/> YES	1	0
<input type="checkbox"/> NO	2	5

C. Does the effluent discharged from this facility exhibit the reasonable potential to violate water quality standards due to whole effluent toxicity?

	Code	Points
<input type="checkbox"/> YES	1	10
<input checked="" type="checkbox"/> NO	2	0

Code Number Checked: A. B. C.

Total Points Factor 5 A. 0 + B. 0 + C. 0 = 0

FACTOR 6: Proximity to Near Coastal Waters

A. Base Score: Enter flow code here (from Factor 2): 31

Enter the multiplication factor that corresponds to the flow code: 0.00

Check appropriate facility HPRI Code (from PSC):

HPRI#	Code	HPRI Score
<input type="checkbox"/> 1	1	20
<input type="checkbox"/> 2	2	0
<input type="checkbox"/> 3	3	30
<input checked="" type="checkbox"/> 4	4	0
<input type="checkbox"/> 5	5	20

Flow code	Multiplication Factor
11, 31, or 41	0.00
12, 32, or 42	0.05
13, 33, or 43	0.10
14 or 34	0.15
21 or 51	0.10
22 or 52	0.30
23 or 53	0.60
24	1.00

HPRI Code Checked: 4

Base Score (HPRI Score) 0 x (Multiplication Factor) 0.00 = 0 (Total Points)

B. Additional Points – NEP Program

For a facility that has an HPRI code of 3, does the facility discharge to one of the estuaries enrolled in the National Estuary Protection (NEP) program (see instructions) or the Chesapeake Bay?

	Code	Points
<input type="checkbox"/> YES	1	10
<input checked="" type="checkbox"/> NO	2	0

C. Additional Points – Great Lakes Area of Concern

For a facility that has an HPRI code of 5, does the facility discharge any of the pollutants of concern into one of the Great Lakes' 31 areas of concern (see instructions)?

	Code	Points
<input type="checkbox"/> YES	1	10
<input checked="" type="checkbox"/> NO	2	0

Code Number Checked: A. 4 B. C.

Total Points Factor 6 A. 0 + B. 0 + C. 0 = 0

NPDES Permit Rating Work Sheet

Score Summary

NPDES No.: PA0282014

Factor	Description	Total Points
1.	Toxic Pollutant Potential	<u>0</u>
2.	Flow/Streamflow Volume	<u>20</u>
3.	Conventional Pollutants	<u>0</u>
4.	Public Health Impacts	<u>0</u>
5.	Water Quality Factors	<u>0</u>
6.	Proximity to Near Coastal Waters	<u>0</u>
TOTAL (Factors 1 through 6)		<u>20</u>

S1. Is the total score equal to or greater than 80? YES (Facility is a major) NO

S2. If the answer to the above question is no, would you like this facility to be discretionary major?

NO

YES (Add 500 points to the above score and provide reason below:

Reason: _____

NEW SCORE: 20

OLD SCORE: _____

Jinsu Kim
Permit Reviewer's Name

(717) 705-4825
Phone Number

01/06/2025
Date

Reset Form

StreamStats Report

Region ID: PA
 Clicked Point (Latitude, Longitude): 39.79861, -77.80086
 Time: 2026-01-06 10:08:07 -0500



StreamStats Update

Starting with version 4.30.0, the StreamStats application uses services that were redeveloped with open-source software components. Users may observe minor variations in computed results when compared to those from previous versions. These differences are expected and do not reflect errors in the underlying data or analytical methods. Users are advised to consider these potential variations when interpreting or comparing results generated across different versions of StreamStats. Please email streamstats@usgs.gov with any questions or concerns. A full list of changes can be found at <https://www.usgs.gov/streamstats/news/streamstats-data-updates-open-source-code-release>

Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	0.29	square miles
PRECIP	Mean Annual Precipitation	39	inches
ROCKDEP	Depth to rock	4.95	feet
STRDEN	Stream Density -- total length of streams divided by drainage area	1.486	miles per square mile

Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 2]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CARBON	Percent Carbonate	0	percent	0	99
DRNAREA	Drainage Area	0.29	square miles	4.93	1280

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
PRECIP	Mean Annual Precipitation	39	inches	35	50.4
ROCKDEP	Depth to Rock	4.95	feet	3.32	5.65
STRDEN	Stream Density	1.486	miles per square mile	0.51	3.1

Low-Flow Statistics Disclaimers [Low Flow Region 2]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Low-Flow Statistics Flow Report [Low Flow Region 2]

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.024	ft ³ /s
30 Day 2 Year Low Flow	0.0336	ft ³ /s
7 Day 10 Year Low Flow	0.0101	ft ³ /s
30 Day 10 Year Low Flow	0.0139	ft ³ /s
90 Day 10 Year Low Flow	0.0239	ft ³ /s

Low-Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

USGS Data Disclaimer: Unless otherwise stated, all data, metadata and related materials are considered to satisfy the quality standards relative to the purpose for which the data were collected. Although these data and associated metadata have been reviewed for accuracy and completeness and approved for release by the U.S. Geological Survey (USGS), no warranty expressed or implied is made regarding the display or utility of the data for other purposes, nor on all computer systems, nor shall the act of distribution constitute any such warranty.

USGS Software Disclaimer: This software has been approved for release by the U.S. Geological Survey (USGS). Although the software has been subjected to rigorous review, the USGS reserves the right to update the software as needed pursuant to further analysis and review. No warranty, expressed or implied, is made by the USGS or the U.S. Government as to the functionality of the software and related material nor shall the fact of release constitute any such warranty. Furthermore, the software is released on condition that neither the USGS nor the U.S. Government shall be held liable for any damages resulting from its authorized or unauthorized use.

USGS Product Names Disclaimer: Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Application Version: 4.30.0
 SSHydro Services Version: 1.0.0
 SSDelineate Services Version: 1.0.0
 NSS Services Version: 2.2.1
 GageStats Services Version: 1.2.1
 Pourpoint Services Version: 1.2.0
 Batch Processor Version: 1.6.0