Pennsylvania Department of Environmental Protection

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0043826**
Facility Type	**Industrial**	APS ID	**1147672**
Major / Minor	**Minor**	Authorization ID	**1544605**

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

Applicant and Facility Information

Applicant Name	**Interstate Chemicals Co. Inc.**	Facility Name	**United Erie Manufacturing**
Applicant Address	2797 Freedland Road	Facility Address	1432 Chestnut Street
	Hermitage, PA 16148-9027		Erie, PA 16502-1705
Applicant Contact	Tom Beatty	Facility Contact	
Applicant Phone	(724) 981-3771	Facility Phone	(814) 454-8996
Client ID	79934	Site ID	454239
SIC Code	3543	Municipality	Erie City
SIC Description	Manufacturing - Industrial Patterns	County	Erie
Date Application Received	October 7, 2025	EPA Waived?	Yes
Date Application Accepted	October 21, 2025	If No, Reason	

Purpose of Application: Renewal application for a minor industrial waste discharge

Summary of Review

United Erie Division of Interstate Chemical Company Inc. submitted a renewal application on October 7, 2025, requesting reissuance of Individual NPDES Permit No. **PA0043826** which will expire on October 31. 2025. The existing facility operates Plastic Material Resins, Manufacturing Plastics Materials, Synthetic Resins, and Nonvulcanizable Elastomers. They are involved in the production of specialized resins (binders) for the foundry industry and specialty greases for lubrication. The site has an SIC code 2821 which falls under Appendix F of the PAG-03 General Permit. There are no streams in the area and the plant is served by the city's public water system, city storm sewers and the Erie Wastewater Treatment Facility.

The PPC Plan was revised on January 13, 2025.

Act 14 notifications were submitted and received.

This facility is not subject to any ELGs. A Part II Water Quality Management permit is not required at this time.

The facility was last inspected on July 16, 2021

There are no open violations in WMS for the subject Client ID (**79934**) as of October 21, 2025

Public Participation

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

Approve	Deny	Signatures	Date
x		Adebayo Olude Adebayo Olude / Civil Engineer Trainee	October 21, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	April 14, 2026

Summary of Review
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.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0
Latitude	42º 7' 2.3"	Longitude	-80º 4' 25.5"
Quad Name	Erie South	Quad Code	42080A1
Wastewater Description:	Stormwater		
Receiving Waters	City of Erie Storm Sewer to Lake Erie	Stream Code	62418
NHD Com ID	123922704	RMI	
Drainage Area	-	Yield (cfs/mi^2)	-
Q_{7-10} Flow (cfs)	-	Q_{7-10} Basis	-
Elevation (ft)		Slope (ft/ft)	-
Watershed No.	15-A	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Impaired		
Cause(s) of Impairment	SILTATION		
Source(s) of Impairment	URBAN RUNOFF/STORM SEWERS		
TMDL Status		Name	

Background/Ambient Data		Data Source
pH (SU)	-	-
Temperature (°F)	-	-
Hardness (mg/L)	-	-
Other:	-	-

Nearest Downstream Public Water Supply Intake	Lake Erie		
PWS Waters	Erie Water Works	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	-

Changes Since Last Permit Issuance:

Other Comments: The receiving water is the City of Erie Storm Sewer Tributary to Presque Isle Bay. The nearest public water supply in Lake Erie is currently the Erie City Water Authority located just outside of Presque Isle Bay.
Outfall 001 consists of wastewater from suboutfall 101 and stormwater. Outfalls 002, and 003 each have similar wastewater of stormwater only. Outfalls 001, 002, and 003 are No Exposure outfalls. Process water and boiler blowdown are discharged to the Erie Sanitary Sewer. The receiving water is the City of Erie Storm Sewer Tributary to Presque Isle Bay.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002	Design Flow (MGD)	0
Latitude	42º 7' 2.3"	Longitude	-80º 5' 25"
Quad Name	Erie South	Quad Code	42080A1
Wastewater Description:	Stormwater		
Receiving Waters	City of Erie Storm Sewer to Lake Erie	Stream Code	62418
NHD Com ID	123922704	RMI	
Drainage Area	-	Yield (cfs/mi^2)	-
Q_{7-10} Flow (cfs)	-	Q_{7-10} Basis	-
Elevation (ft)		Slope (ft/ft)	-
Watershed No.	15-A	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Impaired		
Cause(s) of Impairment	SILTATION		
Source(s) of Impairment	URBAN RUNOFF/STORM SEWERS		
TMDL Status		Name	

Background/Ambient Data		Data Source
pH (SU)	-	-
Temperature (°F)	-	-
Hardness (mg/L)	-	-
Other:	-	-

Nearest Downstream Public Water Supply Intake	Lake Erie		
PWS Waters	Erie Water Works	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	-

Changes Since Last Permit Issuance:

Other Comments: The receiving water is the City of Erie Storm Sewer Tributary to Presque Isle Bay. The nearest public water supply in Lake Erie is currently the Erie City Water Authority located just outside of Presque Isle Bay.
Outfall 001 consists of wastewater from suboutfall 101 and stormwater. Outfalls 002, and 003 each have similar wastewater of stormwater only. Outfalls 001, 002, and 003 are No Exposure outfalls. Process water and boiler blowdown are discharged to the Erie Sanitary Sewer. The receiving water is the City of Erie Storm Sewer Tributary to Presque Isle Bay.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	003	Design Flow (MGD)	0
Latitude	42º 7' 5"	Longitude	-80º 5' 18"
Quad Name	Erie South	Quad Code	42080A1
Wastewater Description:	Stormwater		
Receiving Waters	City of Erie Storm Sewer to Lake Erie	Stream Code	62418
NHD Com ID	123922704	RMI	
Drainage Area	-	Yield (cfs/mi^2)	-
Q_{7-10} Flow (cfs)	-	Q_{7-10} Basis	-
Elevation (ft)		Slope (ft/ft)	-
Watershed No.	15-A	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Impaired		
Cause(s) of Impairment	SILTATION		
Source(s) of Impairment	URBAN RUNOFF/STORM SEWERS		
TMDL Status		Name	

Background/Ambient Data		Data Source
pH (SU)	-	-
Temperature (°F)	-	-
Hardness (mg/L)	-	-
Other:	-	-

Nearest Downstream Public Water Supply Intake	Lake Erie		
PWS Waters	Erie Water Works	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	-

Changes Since Last Permit Issuance:

Other Comments: The receiving water is the City of Erie Storm Sewer Tributary to Presque Isle Bay. The nearest public water supply in Lake Erie is currently the Erie City Water Authority located just outside of Presque Isle Bay.
Outfall 001 consists of wastewater from suboutfall 101 and stormwater. Outfalls 002, and 003 each have similar wastewater of stormwater only. Outfalls 001, 002, and 003 are No Exposure outfalls. Process water and boiler blowdown are discharged to the Erie Sanitary Sewer. The receiving water is the City of Erie Storm Sewer Tributary to Presque Isle Bay.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	101	Design Flow (MGD)	.06
Latitude	42º 7' 2"	Longitude	-80º 5' 25"
Quad Name	Erie South	Quad Code	42080A1
Wastewater Description:	Noncontact Cooling Water (NCCW)		
Receiving Waters	City of Erie Storm Sewer to Lake Erie	Stream Code	-
NHD Com ID	123926163	RMI	
Drainage Area	-	Yield (cfs/mi^2)	-
Q_{7-10} Flow (cfs)	0.00103	Q_{7-10} Basis	-
Elevation (ft)		Slope (ft/ft)	-
Watershed No.		Chapter 93 Class.	
Existing Use		Existing Use Qualifier	
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Not Assessed		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

Background/Ambient Data		Data Source
pH (SU)	-	-
Temperature (°F)	-	-
Hardness (mg/L)	-	-
Other:	-	-

Nearest Downstream Public Water Supply Intake	Lake Erie		
PWS Waters	Erie Water Works	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	-

Changes Since Last Permit Issuance:

Other Comments: The receiving water is the City of Erie Storm Sewer Tributary to Presque Isle Bay. The nearest public water supply in Lake Erie is currently the Erie City Water Authority located just outside of Presque Isle Bay.
Outfall 001 consists of wastewater from suboutfall 101 and stormwater. Outfalls 002, and 003 each have similar wastewater of stormwater only. Outfalls 001, 002, and 003 are No Exposure outfalls. Process water and boiler blowdown are discharged to the Erie Sanitary Sewer. The receiving water is the City of Erie Storm Sewer Tributary to Presque Isle Bay.

Compliance History	
Summary of DMRs:	DMRs was submitted for the past five years
Summary of Inspections:	The facility was last inspected on July 16, 2021. There are no open violations in WMS for the subject Client ID (**79934**) as of October 21, 2025

Other Comments: **-**

Compliance History

DMR Data for Outfall 101 (from September 1, 2024 to August 31, 2025)

Parameter	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24
Flow (MGD) Average Monthly	0.00535 08	0.00536 72	0.00541 9	0.00511 859	0.00543 644	0.00518 363	0.00546 11	0.00547 3	0.00548 8	0.00550 9	0.00554 8	0.00556 5
pH (S.U.) Instantaneous Minimum	6.8	7.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.9	6.8
pH (S.U.) Instantaneous Maximum	7.2	7.2	7.1	7.2	7.2	7.1	7.1	7.2	7.1	7.2	7.2	7.1
Temperature (ºF) Daily Maximum	76	76	74	66	54	56	44	48	50	62	68	74

Development of Effluent Limitations

Outfall No. 101 **Design Flow (MGD)** .06
Latitude 42º 7' 2.00" **Longitude** -80º 5' 25.00"
Wastewater Description: Noncontact Cooling Water (NCCW)

Technology-Based Limitations

25 PA Code Chapter 92 requires pH requirements to be a minimum of 6.0 and a maximum of 9.0 S.U. for all industrial waste process and non-process discharges.

Flow Reporting requirements is in accordance with the 25 PA Code Chapter 92 regulations.

Temperature limits will be imposed per the Department's "*Implementation Guidance for Temperature Criteria*." As a policy, DEP normally imposes a maximum temperature limit of 110°F on discharges that contain residual heat. The limit is intended as a safety measure to protect sampling personnel or anyone who may come into contact with the heated discharge where it enters the receiving water.

Table 1: Regulatory Effluent Standards and Monitoring Requirements for Outfall 002

Parameter	Monthly Average	Daily Maximum	IMAX	Units
Flow	Monitor and Report		XXX	MGD
Temperature	XXX	XXX	110	°F
pH	Not less than 6.0 nor greater than 9.0			S.U.

Self-Monitoring Requirements for Industrial Dischargers

Waste Stream Type	Parameter	Recommended Sample Type	Minimum Sample Frequency
Non-Contact Cooling Water (20,000 – 100,000 gpd)	Flow	Meter	1/week
	pH	Grab	1/week
	Temperature	I.S.	1/week

Comments: These monitoring requirements are from table 6-4 of the DEP's Technical Guidance for the Development & Specification of Effluent Limitations (362-0400-001). The existing monitoring frequency of 2/month for Temperature is being carried over from the previous permit renewal, due to there being no history of non-compliance.

Water Quality-Based Limitations

The Non-Contact Cooling Water was modeled using the DEPs Thermal Limits Spreadsheet. This spreadsheet takes into consideration the cooling water discharge rate, $Q_{7\text{-}10}$ of the receiving stream, stream designated uses, and thermal water quality criteria in 25 PA Code Chapter 93 to create a mass balance equation and calculate allowable thermal limits for Non-Contact Cooling Water and other heated discharges. The cooling water process discharge rate was used rather than the total discharge rate because there are no concerns that the commingling discharge is thermally elevated. This consideration also informed the decision on which outfall should receive the limits, which is why they are being applied to Outfall 101. The following limitations were calculated with the Thermal Limits Spreadsheet and will be imposed at Outfall 101.

Semi-Monthly Increment	Daily WLA (ºF)
Jan 1-31	104.5
Feb 1-29	110.0
Mar 1-31	110.0
April 1-15	110.0
April 16-30	110.0

May 1-15	110.0
May 16-31	110.0
Jun 1-15	110.0
Jun 16-30	110.0
Jul 1-31	110.0
Aug 1-15	110.0
Aug 16-31	110.0
Sep 1-15	110.0
Sep 16-30	110.0
Oct 1-15	110.0
Oct 16-31	110.0
Nov 1-15	110.0
Nov 16-30	101.6
Dec 1-31	90.4

Temperature limits will be imposed per the Department's "*Implementation Guidance for Temperature Criteria*." As a policy, DEP normally imposes a maximum temperature limit of 110°F on discharges that contain residual heat. The limit is intended as a safety measure to protect sampling personnel or anyone who may come into contact with the heated discharge where it enters the receiving water.

According to 25 PA Code Chapter 96.6(b), heated wastewater discharges may not cause a change of surface water temperature of more than 2 ºF during any 1-hour period therefore the Part C condition, "Temperature 2 Degree Hourly Change" will be implemented to make sure this facility stays in compliance with the heated wastewater regulations. Additionally, the "No Net Addition of Pollutants to NCCW" Part C condition will be implemented as the Department has not taken into consideration additional pollutants when modeling the heated wastewater discharge and additional pollutants may cause an excursion above water quality standards.

Best Professional Judgment (BPJ) Limitations

Comments: None

Anti-Backsliding

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	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/week	Grab
Temperature (ºF)	XXX	XXX	XXX	Report Daily Max	XXX	XXX	2/month	I-S

Proposed Effluent Limitations and Monitoring Requirements

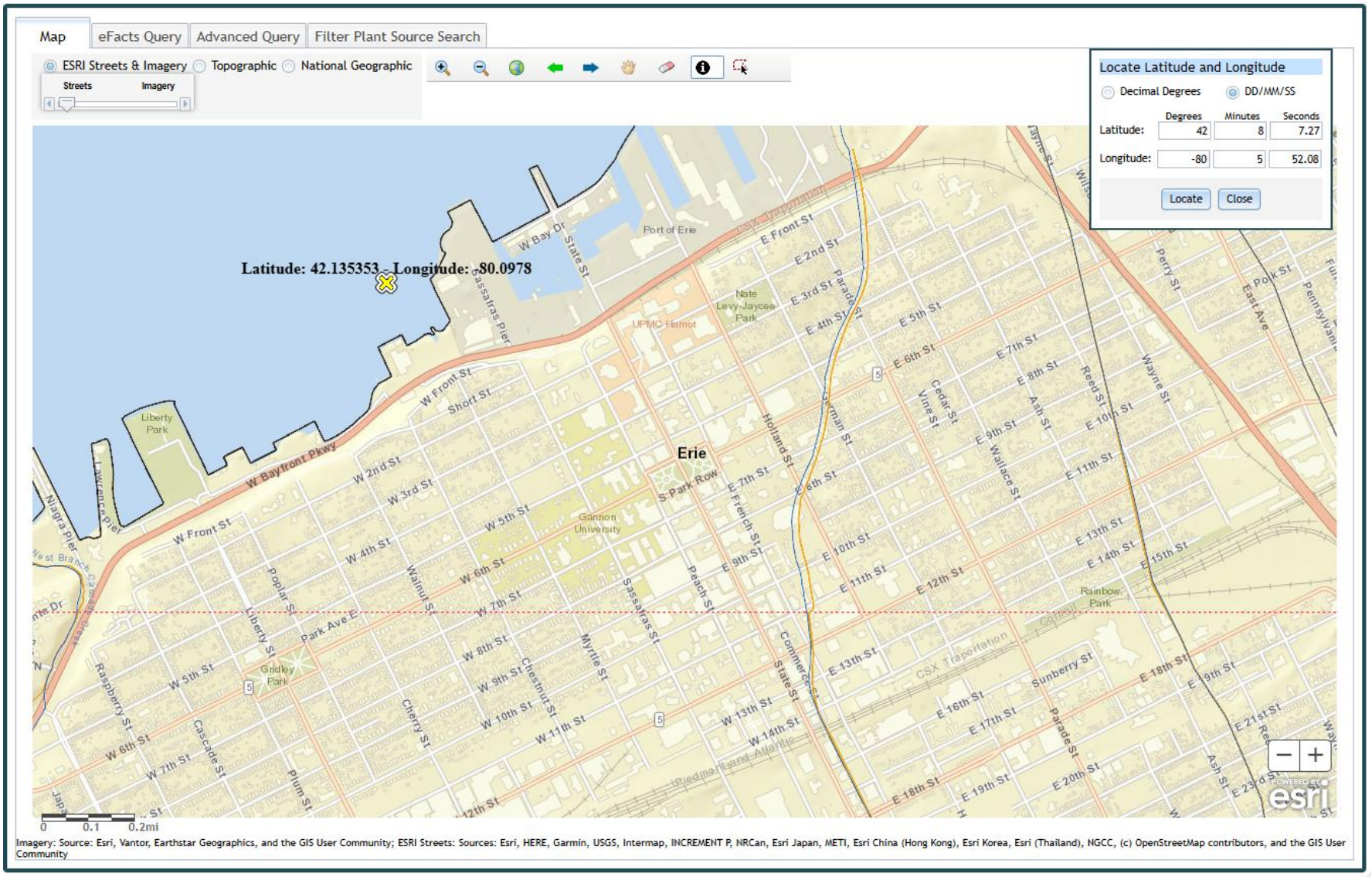
The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants).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

Outfall 101, 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	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/week	Grab
Temperature (ºF) Jan 1 – 31	XXX	XXX	XXX	XXX	XXX	104.5	2/month	I-S
Temperature (ºF) Feb 1 – Oct 31	XXX	XXX	XXX	XXX	XXX	110	2/month	I-S
Temperature (ºF) Nov 1 – 15	XXX	XXX	XXX	XXX	XXX	110	2/month	I-S
Temperature (ºF) Nov 16 – 30	XXX	XXX	XXX	XXX	XXX	101.6	2/month	I-S
Temperature (ºF) Dec 1 – 31	XXX	XXX	XXX	XXX	XXX	90.4	2/month	I-S

Compliance Sampling Location: Outfall 101

Attachment 1
eMAP – Receiving Streams Information (Outfall 101)

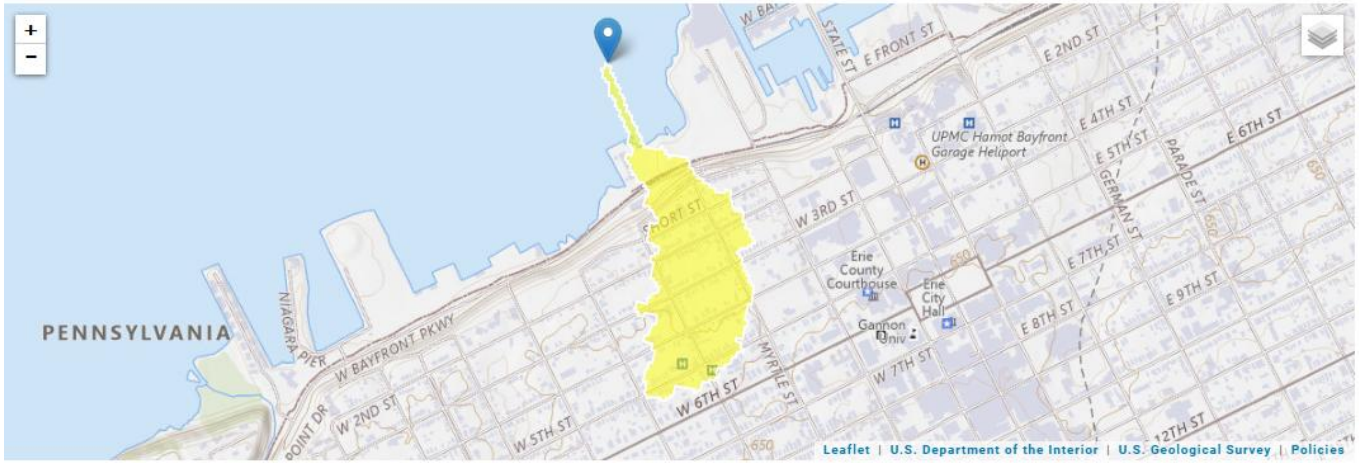


Attachment 2
Google Earth - Imagery

Attachment 3
StreamStats Report (Outfall 101)

StreamStats Report

Region ID:	PA
Clicked Point (Latitude, Longitude):	42.13571, -80.09810
Time:	2025-12-30 15:56:36 -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
DRNAREA	Area that drains to a point on a stream	0.08	square miles
ELEV	Mean Basin Elevation	631.6	feet
PRECIP	Mean Annual Precipitation	41	inches

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Thermal Limits Spreadsheet
Version 1.0, April 2024

Instructions | *WWF Results*

Recommended Limits for Case 1 or Case 2

Semi-Monthly Increment	**WWF** Target Maximum Stream Temp. (ºF)	**Case 1** Daily WLA (Million BTUs/day)	**Case 2** Daily WLA (ºF)
Jan 1-31	40	N/A -- Case 2	104.5
Feb 1-29	40	N/A -- Case 2	110.0
Mar 1-31	46	N/A -- Case 2	110.0
Apr 1-15	52	N/A -- Case 2	110.0
Apr 16-30	58	N/A -- Case 2	110.0
May 1-15	64	N/A -- Case 2	110.0
May 16-31	72	N/A -- Case 2	110.0
Jun 1-15	80	N/A -- Case 2	110.0
Jun 16-30	84	N/A -- Case 2	110.0
Jul 1-31	87	N/A -- Case 2	110.0
Aug 1-15	87	N/A -- Case 2	110.0
Aug 16-31	87	N/A -- Case 2	110.0
Sep 1-15	84	N/A -- Case 2	110.0
Sep 16-30	78	N/A -- Case 2	110.0
Oct 1-15	72	N/A -- Case 2	110.0
Oct 16-31	66	N/A -- Case 2	110.0
Nov 1-15	58	N/A -- Case 2	110.0
Nov 16-30	50	N/A -- Case 2	101.6
Dec 1-31	42	N/A -- Case 2	90.4