Pennsylvania Department of Environmental Protection

Southwest Regional Office
CLEAN WATER PROGRAM

Application Type	**New**	Application No.	**PA0285382**
Facility Type	**Storm Water**	APS ID	**1127890**
Major / Minor	**Minor**	Authorization ID	**1510435**

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

Applicant and Facility Information

Applicant Name	**Nulfco Inc.**	Facility Name	**Nulfco Inc.**
Applicant Address	365 Taggert Road	Facility Address	365 Taggert Road
	Darlington, PA 16115-2321		Darlington, PA 16115-2321
Applicant Contact	Jack Barnhouse	Facility Contact	Same as Applicant
Applicant Phone	(724) 436-4147	Facility Phone	Same as Applicant
Applicant email	nulfco2@yahoo.com	Facility email	Same as Applicant
Client ID	205194	Site ID	608914
SIC Code	4213	Municipality	Darlington Township
SIC Description	Trans. & Utilities - Trucking, Except Local	County	Beaver
Date Application Received	January 19, 2024	EPA Waived?	Yes
Date Application Accepted		If No, Reason	

Purpose of Application: NPDES Permit Coverage

Summary of Review

The Department received a new NPDES permit application from Nulfco, Inc. on January 19, 2024, for their Tractor-Trailer repair facility located in Darlington Township, Beaver County, on August 24, 2023. Based on previous Site Inspections the Facility has a SIC Code of 4213 (Trucking, Except Local). Nulfco performs major and minor repairs to heavy duty equipment.

Permit history timeline.

- On January 7, 2016, the Department renewed the PAG-03 General permit PAR806223.
- On September 24, 2016, the Department DEP published a final, reissued NPDES General Permit for Discharges of Stormwater Associated with Industrial Activity (PAG-03) in the Pennsylvania Bulletin.
- On September 30, 2016, the Department notified the facility of changes to the terms and conditions of its NPDES permit coverage. The Sample Permit document outlined the updated terms and conditions, also eliminating the requirement for submitting a Notice of Intent (NOI) to renew coverage.
- On December 23, 2022, DEP notified the facility that a Notice of Intent (NOI) submission was required by March 23, 2023, to maintain coverage under the renewed PAG-03 General Permit. However, the updated PAG-03 General Permit makes applicants discharging directly to High Quality (HQ) or Exceptional Value (EV) waters ineligible. Since the facility discharges to the Unnamed Tributary to Leslie Run, classified as High Quality Waters - Cold Water Fishes, it no longer qualifies for PAG-03 coverage.

Approve	Deny	Signatures	Date
X		Angela Rohrer / Environmental Engineering Specialist	April 16, 2025
X		Michael E. Fifth, P.E. / Environmental Engineer Manager	April 18, 2025

Summary of Review

- On May 2, 2023, the Department notified the facility that its NPDES PAG-03 General Permit coverage had expired due to the failure to submit a Notice of Intent (NOI) by the March 23, 2023, deadline. As a result, the facility is currently operating without required NPDES permit coverage under the federal Clean Water Act and Pennsylvania Clean Streams Law.

- On October 31, 2023, during a site inspection, the Department determined that the facility no longer qualified for general permit coverage based upon the updated Chapter 93 designation of the receiving waters. An individual permit application was requested to be submitted by December 31, 2023.

- On January 19, 2024, the facility submitted an individual permit application, which was deemed deficient, and the facility was subsequently notified.

- On December 23, 2024, the Department began de technical review, however, the application was deficient.

- On January 11, 2025, the Department notified the facility, in writing, of the items that must be submitted to make the application complete.

- The Department and Mr. Jack Barnhouse (General Manager) had multiple discussions (February 11, April 1 and April 14) to address these issues, however, the application is still deficient.

- On April 15, 2025, the facility provided the PPC Plan and Outfalls locations.

- On April 15, 2025, the Department and Mr. Jack Barnhouse had a discussion regarding the items still pending in order to process the individual permit application.

The Department will proceed with the technical review of this application based on the available information.

The facility was last inspected by Tim Smolar on October 12, 2023, with no violations noted, instead, several recommendations were made, as follows:

- Clear outgrowth near Outfall #2.
- Remove material from around Outfall #4.
- Add solids filtration to Outfall #5
- Clear stained material from gravel lot.
- Determine origin of dumped material from tenant Badger.
- Locate and clear path to oil-water separator.
- Ensure NPDES Individual Permit application is completed and submitted on or before December 31, 2023.
- Re-direct Badger's wash waters to Oil Water Separator while source of solid material is being confirmed. A wash facility may need to be installed if tenant intends to continue washing activities.

Outfall Description:

The facility discharges via Outfalls 001, 002, 006 and 007 to an Unnamed Tributary to Leslie, designated in the 25 PA Code Chapter 93 as a High Quality-Cold Water Fishes (HQ-CWF).

- **Outfall 001** corresponds to overflow from the pond on the western portion of the lot. This pond was historically used for fire suppression water and receives a significant amount of natural drainage. It also receives flows from Outfall 2 at the edge of the lot.
- **Outfall 002** receives surface flows from the Western portion of the lot.
- **Catch Basin 3** discharges to Outfall 6
- **Catch Basin 4** discharges to Outfall 7.
- **Outfall 007** is the newly identified pipe.
- The Oil Water Separator receives flows from **Catch Basin 5**, according to the facility, is pumped out every three years approximately.

Based on the site inspection conducted on August 4, 2020, Outfall sample locations that are representative of onsite activities include Outfalls 002, 006 and 007

Summary of Review
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 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 - 002	Design Flow (MGD)	0
Latitude	40º 50' 07.06" - 40 º 50' 05"	Longitude	-80º 31' 07.01" - -80º 31' 03"
Quad Name	East Palestine	Quad Code	1201
Wastewater Description:	Stormwater		
Receiving Waters	Unnamed Tributary to Leslie Run (HQ-CWF)	Stream Code	33371
NHD Com ID	99694382	RMI	0.02
Drainage Area	0.0509 square mile	Yield (cfs/mi^2)	0.0001
Q_{7-10} Flow (cfs)	0.000514	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	1036	Slope (ft/ft)	0.0001
Watershed No.	20-B	Chapter 93 Class.	High Quality-Cold Water Fishes (HQ-CWF)
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

Discharge, Receiving Waters and Water Supply Information

Outfall No.	006 - 007	Design Flow (MGD)	0
Latitude	40º 50' 09" - 40°50' 09.41"	Longitude	-80º 30' 56" - -80°30'56.28"
Quad Name	East Palestine	Quad Code	1201
Wastewater Description:	Stormwater		
Receiving Waters	Unnamed Tributary to Leslie Run (HQ-CWF)	Stream Code	33371
NHD Com ID	99694382	RMI	0.15
Drainage Area	0.55 square mile	Yield (cfs/mi^2)	0.0001
Q_{7-10} Flow (cfs)	0.0037	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	1038	Slope (ft/ft)	0.0001
Watershed No.	20-B	Chapter 93 Class.	High Quality-Cold Water Fishes (HQ-CWF)
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

Development of Effluent Limitations

Outfall No.	002	**Design Flow (MGD)**	0.0 (varied)
Latitude	40º 50' 05"	**Longitude**	-80º 31' 03"
Wastewater Description:	Stormwater		

Outfall No.	006	**Design Flow (MGD)**	0.0 (varied)
Latitude	40º 50' 09"	**Longitude**	-80º 30' 56"
Wastewater Description:	Stormwater		

Outfall No.	007	**Design Flow (MGD)**	0.0 (varied)
Latitude	40º 50' 09.41"	**Longitude**	-80º 30' 56.28"
Wastewater Description:	Stormwater		

Technology-Based Limitations

Stormwater Technology Limits

Outfalls 002, 006 and 007 will be subject to the conditions of the PAG-03 General Stormwater Permit as a minimum requirement. Based on the site's SIC code, the corresponding appendix that would apply to the facility is Appendix L of the PAG-03. However, after reconsideration, the Department believes that the industrial activities conducted onsite are not related to motor freight transportation and warehousing. Instead, the facility will be subject to the requirements of Appendix J of the PAG-03 General Stormwater Permit. The proposed monitoring requirements are shown in Table 1 below.

Table 1: PAG-03 Appendix (J) Monitoring Requirements

Parameters	Monitoring Requirements	
	Minimum Measurement Frequency	Sample Type
Total Nitrogen (mg/L)	1/6 Months	Calculation
Total Phosphorus (mg/L)	1/6 Months	Grab
Total Suspended Solids (TSS) (mg/L)	1/6 Months	Grab
Oil and Grease (mg/L)	1/6 Months	Grab
pH (S.U)	1/6 Months	Grab
Chemical Oxygen Demand	1/6 Months	Grab

Water Quality-Based Limitations

Stormwater WQBELs

Water quality analyses are typically performed under low-flow (Q7-10) conditions. Stormwater discharges occur at variable rates and frequencies but not however during Q7-10 conditions. Since the discharge from Outfalls 002, 006 and 007 is composed entirely of stormwater, a formal water quality analysis cannot be accurately conducted. Accordingly, water quality-based effluent limitations based on water quality analyses are not proposed.

Anti-Degradation

Antidegradation regulations under Chapter 93.4c(a)(l)(i) required discharges to protect the existing use of receiving waters. Chapter 93.4c(b) requires dischargers to consider non-discharge alternatives, public participation and social/economic justification when proposing new, additional or increased discharges to high quality or exceptional value streams. Existing use protection required under Chapter 93.4c(a)(l)(i) is ensured for discharges to high quality streams imposing the most stringent of technology-based, water quality based and non-degrading effluent limitations. In this case, non-degradation effluent limitations are applicable because the discharge is stormwater. To ensure that the discharge does not degrade the stream, the no exposure benchmark values will be used as the benchmark value in the permit. These values reflect the conditions present at a well-maintained facility with little to no industrial stormwater impacts. The goal for the permittee is to be consistently below these benchmark values.

Anti-Backsliding

Nulfco Inc. was not previously covered under an individual NPDES permit. EPA's anti-backsliding regulation, 40 CFR 122.44(l) is not applicable to the facility.

Proposed Effluent Limitations and Monitoring Requirements

The proposed effluent monitoring requirements for Outfalls 002, 006 and 007 are displayed in Table 2 below, they are the most stringent values from the above effluent limitation development.

As outlined in the Anti-Degradation section of this Fact Sheet, benchmark values from the No Exposure Certification were selected for monitoring requirements due to the discharge into the Unnamed Tributary to Leslie Run, classified as a High Quality - Cold Water Fishery (HQ-CWF). Given the facility's failure to provide sample data to date, the eight parameters from the No Exposure Certification are proposed as effluent monitoring requirements for Outfalls 002, 006, and 007 to ensure maintenance of current water quality conditions.

A Part C condition is included in the Draft Permit requiring development and submission of a Corrective Action Plan whenever there is one exceedance of the benchmark values, which are also included in the Part C condition. The benchmark values are also displayed below in Table 2. These values are not effluent limitations, an exceedance of the benchmark value is not a violation. If there is one exceedance of the benchmark value, a Corrective Action Plan must be conducted to evaluate site stormwater controls and BMPs. Benchmark monitoring is a feedback tool, along with routine inspections and visual assessments, for assessing the effectiveness of stormwater controls and BMPs. An exceedance of the benchmark provides permittees with an indication that the facility's controls may not be sufficiently controlling pollutants in stormwater.

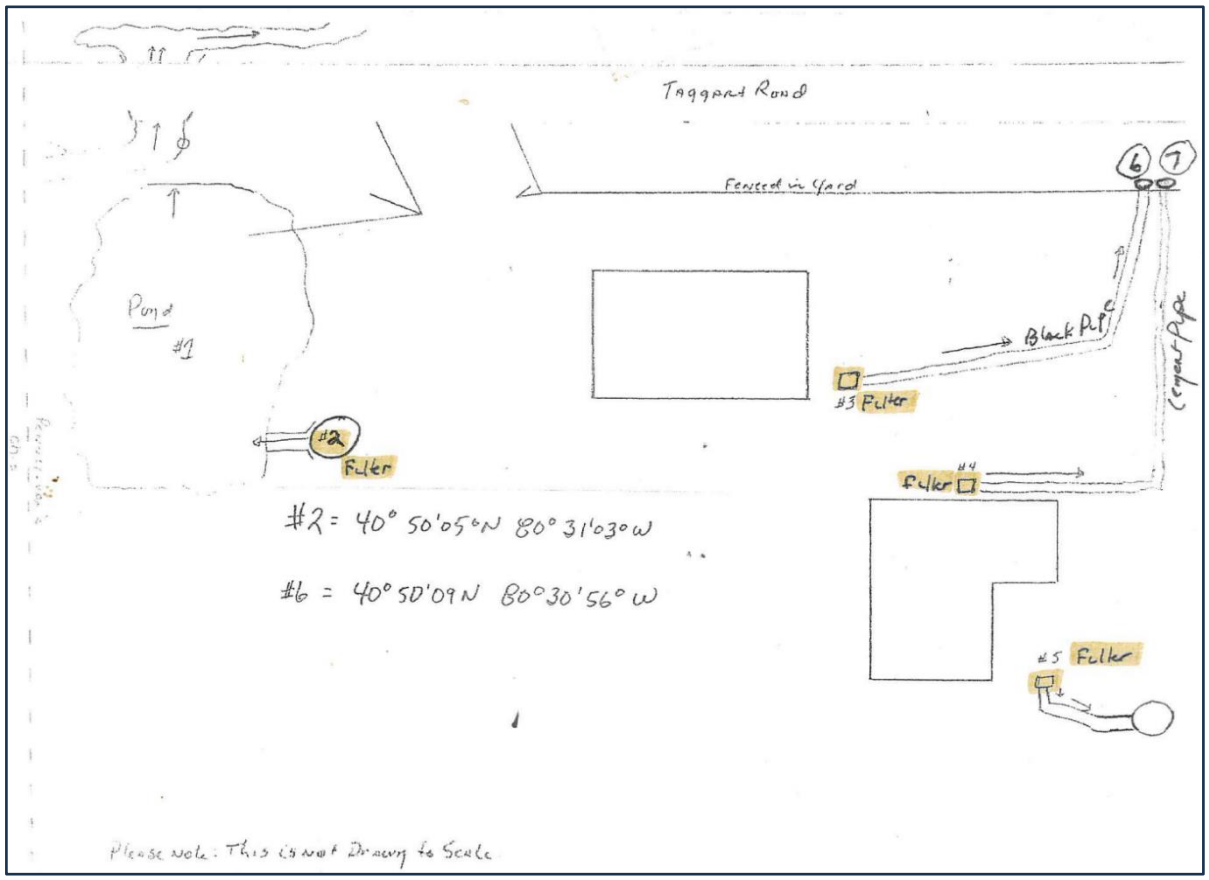
Table 2: Proposed Final Effluent Limitation at Outfalls 002, 006 and 007

Parameters	Concentration (mg/l)				Measurement Frequency	Sample Type	Benchmark Values (mg/L)
	Minimum	Average Monthly	Daily Maximum	Instant. Maximum			
Total Nitrogen	XXX	XXX	Report	XXX	1/6 Months	Calculation	2.0
Total Phosphorus	XXX	XXX	Report	XXX	1/6 Months	Grab	1.0
Total Suspended Solids (TSS)	XXX	XXX	Report	XXX	1/6 Months	Grab	30.0
Oil and Grease	XXX	XXX	Report	XXX	1/6 Months	Grab	5.0
Biochemical Oxygen Demand (BOD_5)	XXX	XXX	Report	XXX	1/6 Months	Grab	10.0
Chemical Oxygen Demand (COD)	XXX	XXX	Report	XXX	1/6 Months	Grab	30.0
Total Iron	XXX	XXX	Report	XXX	1/6 Months	Grab	7.0
pH (S.U)	XXX	XXX	Report	XXX	1/6 Months	Grab	6.0 to 9.0

Tools and References Used to Develop Permit	
☐	WQM for Windows Model (see Attachment)
☐	Toxics Management Spreadsheet (see Attachment)
☐	TRC Model Spreadsheet (see Attachment)
☐	Temperature Model Spreadsheet (see Attachment)
☐	Water Quality Toxics Management Strategy, 361-0100-003, 4/06.
☐	Technical Guidance for the Development and Specification of Effluent Limitations, 386-0400-001, 10/97.
☐	Policy for Permitting Surface Water Diversions, 386-2000-019, 3/98.
☐	Policy for Conducting Technical Reviews of Minor NPDES Renewal Applications, 386-2000-018, 11/96.
☐	Technology-Based Control Requirements for Water Treatment Plant Wastes, 386-2183-001, 10/97.
☐	Technical Guidance for Development of NPDES Permit Requirements Steam Electric Industry, 386-2183-002, 12/97.
☐	Pennsylvania CSO Policy, 386-2000-002, 9/08.
☐	Water Quality Antidegradation Implementation Guidance, 391-0300-002, 11/03.
☐	Implementation Guidance Evaluation & Process Thermal Discharge (316(a)) Federal Water Pollution Act, 386-2000-008, 4/97.
☐	Determining Water Quality-Based Effluent Limits, 386-2000-004, 12/97.
☐	Implementation Guidance Design Conditions, 386-2000-007, 9/97.
☐	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.
☐	Interim Method for the Sampling and Analysis of Osmotic Pressure on Streams, Brines, and Industrial Discharges, 386-2000-012, 10/1997.
☐	Implementation Guidance for Section 95.6 Management of Point Source Phosphorus Discharges to Lakes, Ponds, and Impoundments, 386-2000-009, 3/99.
☐	Technical Reference Guide (TRG) PENTOXSD for Windows, PA Single Discharge Wasteload Allocation Program for Toxics, Version 2.0, 386-2000-015, 5/2004.
☐	Implementation Guidance for Section 93.7 Ammonia Criteria, 386-2000-022, 11/97.
☐	Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers, 386-2000-013, 4/2008.
☐	Implementation Guidance Total Residual Chlorine (TRC) Regulation, 386-2000-011, 11/1994.
☐	Implementation Guidance for Temperature Criteria, 386-2000-001, 4/09.
☐	Implementation Guidance for Section 95.9 Phosphorus Discharges to Free Flowing Streams, 386-2000-021, 10/97.
☐	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.
☐	Field Data Collection and Evaluation Protocol for Determining Stream and Point Source Discharge Design Hardness, 386-2000-005, 3/99.
☐	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.
☐	Design Stream Flows, 386-2000-003, 9/98.
☐	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.
☐	Evaluations of Phosphorus Discharges to Lakes, Ponds and Impoundments, 386-3200-001, 6/97.
☐	Pennsylvania's Chesapeake Bay Tributary Strategy Implementation Plan for NPDES Permitting, 4/07.
☐	SOP:
☐	Other:

ATTACHMENT A.
SITE PLAN

Image Source and Date: Google Earth Pro. Annotations by DEP.



Attachment B.
StreamStats Report (Outfalls 001 and 002)

PA0285382 - Nulfco - StreamStats Report

Region ID: PA
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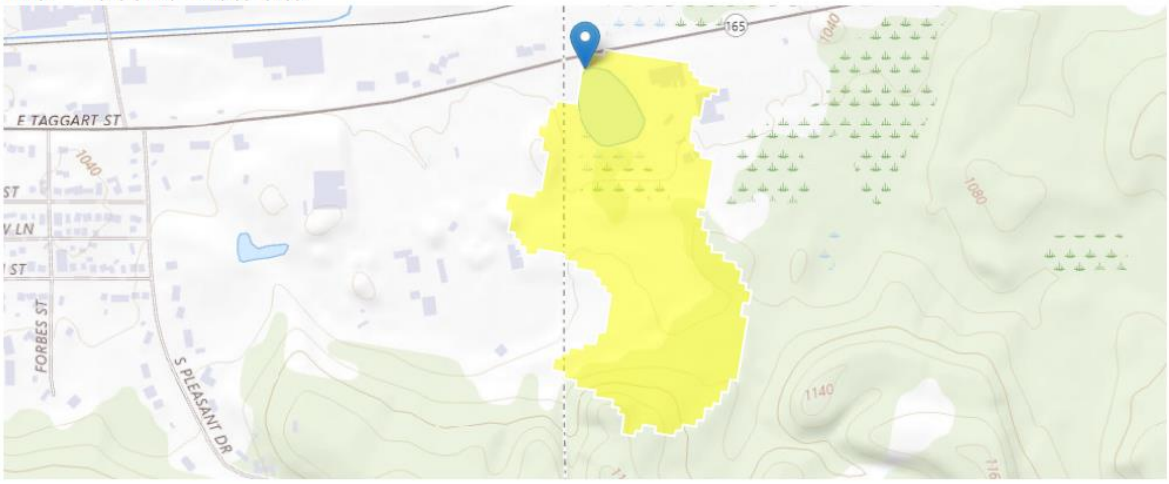
Clicked Point (Latitude, Longitude): 40.83537, -80.51871
Time: 2025-04-16 14:46:03 -0400



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0509	square miles
ELEV	Mean Basin Elevation	1056	feet

Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 4]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0509	square miles	2.26	1400
ELEV	Mean Basin Elevation	1056	feet	1050	2580

Low-Flow Statistics Disclaimers [Low Flow Region 4]

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 4]

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.000849	ft^3/s
30 Day 2 Year Low Flow	0.00187	ft^3/s
7 Day 10 Year Low Flow	0.000194	ft^3/s

Statistic	Value	Unit
30 Day 10 Year Low Flow	0.000514	ft^3/s
90 Day 10 Year Low Flow	0.00118	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/)

Application Version: 4.28.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

Attachment C.
StreamStats Report (Outfalls 006 and 007)

StreamStats Report

Region ID: PA
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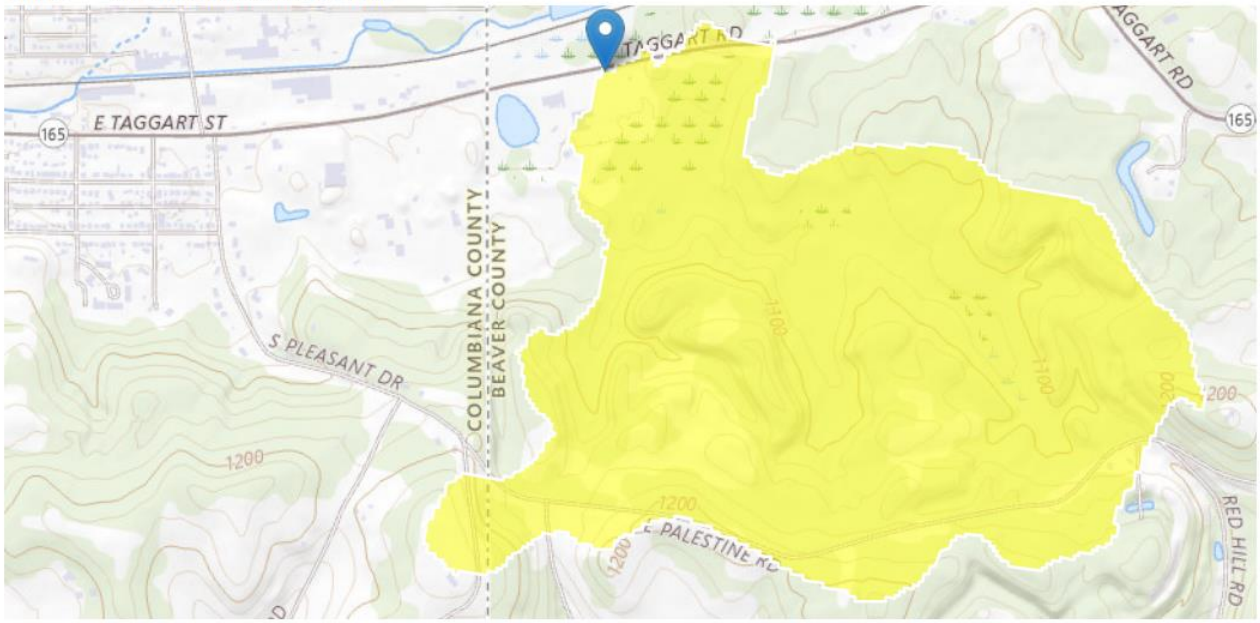

Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.55	square miles
ELEV	Mean Basin Elevation	1121	feet

Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 4]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.55	square miles	2.26	1400
ELEV	Mean Basin Elevation	1121	feet	1050	2580

Low-Flow Statistics Disclaimers [Low Flow Region 4]

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 4]

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.0134	ft^3/s
30 Day 2 Year Low Flow	0.0265	ft^3/s
7 Day 10 Year Low Flow	0.00378	ft^3/s
30 Day 10 Year Low Flow	0.00842	ft^3/s
90 Day 10 Year Low Flow	0.0175	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/)

Application Version: 4.28.1
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1