pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southwest Regional Office
CLEAN WATER PROGRAM

Application Type	**New**	Application No.	**PA0285323**
Facility Type	**Storm Water**	APS ID	**1113548**
Major / Minor	**Minor**	Authorization ID	**1484776**

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

Applicant and Facility Information

Applicant Name	**Waste Management of Pennsylvania, Inc.**	Facility Name	**Laurel Highlands Hauling Company and CNG Fueling**
Applicant Address	260 Laurel Ridge Road Johnstown, PA 15909-4032	Facility Address	Lot 6 Jackson Twp. Business Park Ebensburg, PA 15909
Applicant Contact	Robert Euen	Facility Contact	Robert Euen
Applicant Phone	(724) 801-6019	Facility Phone	(724) 801-6019
Client ID	63452	Site ID	866439
SIC Code	4212; 7538	Municipality	Jackson Township
SIC Description	Local Trucking Without Storage; General Automotive Repair Shops	County	Cambria
Date Application Received	May 6, 2024	EPA Waived?	Yes
Date Application Accepted	June 10, 2024	If No, Reason	
Purpose of Application	New NPDES permit for stormwater discharge from new facility to HQ waters		

Summary of Review

The Department received a new NPDES permit application for industrial stormwater from Waste Management of Pennsylvania, Inc. for the Laurel Highlands Hauling Company and CNG Fueling facility on 5/6/2024. This will be a newly constructed facility with stormwater discharges expected to commence in November 2024. A Chapter 102 Construction Stormwater NPDES permit was applied for on 5/30/2024 along with a Chapter 105 permit. The permittee currently has 12 open violations with 1 from the Clean Water program and the remaining 11 from Waste Management program. None are associated with this new facility.

Approximately 21.5 undeveloped acres will be utilized to construct an administrative building, a truck repair building, a compressed natural gas (CNG) fueling area, container storage, a diesel fueling area, concrete driveway, and surrounding bituminous paved lot. Diesel will be supplied by a 10,000-gallon aboveground storage tank. Truck repair and truck wash station wastewater will be processed through an oil/water separator and discharged to the local sanitary sewer. During construction stormwater outfalls are inspected after each rainfall event greater than a 2-year storm event, and after construction stormwater outfalls will be inspected semiannually. No Preparedness, Prevention, and Contingency (PPC) Plan was provided with the application.

Refer to Figure 1 on Page 3 for the facility stormwater drainage plan. Roof drainage will be disconnected and directed to a bioretention basin. Three subsurface infiltration beds will be installed in the paved lot. Any runoff not captured by bioretention or subsurface infiltration will be directed to either a vegetated infiltration swale that surrounds the facility and discharges to a dry extended detention basin or to two direct inflows to the dry extended detention basin. Both the swale and the basin will be heavily planted with native species. The dry extended detention basin will drain through a run of trenched 18” smooth lined corrugated plastic pipe (SLCPP) downgrade to the final discharge at a riprap apron—considered Outfall 001—to Laurel

Approve	Deny	Signatures	Date
X		Jace William Marsh / Environmental Engineering Specialist	June 27, 2024
X		Michael E. Fifth, P.E. / Environmental Engineer Manager	June 30, 2024

Summary of Review

Run. In the event of runoff overflow, it's equipped with an emergency spillway that would also flow downgrade to Laurel Run. Representative sampling of Outfall 001 will be allowed at the initial outlet of the dry extended detention basin for ease of access. Laurel Run has a 25 PA Code Chapter 93 High Quality-Cold Water Fishes (HQ-CWF) designated use and is not considered impaired (source: *2024 Integrated Report*).

To ensure that the stormwater discharge does not degrade the HQ-CWF stream, the PAG-03 No Exposure Certification concentrations will be used as the benchmark values in the draft permit. The goal for the permittee is to consistently achieve pollutant discharge concentrations that are below these benchmark values; doing this shows that the discharges are uncontaminated stormwater. Benchmarks, along with the anti-degradation stormwater best management practices (BMPs) mentioned above, should maintain and protect the existing quality of Laurel Run.

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.

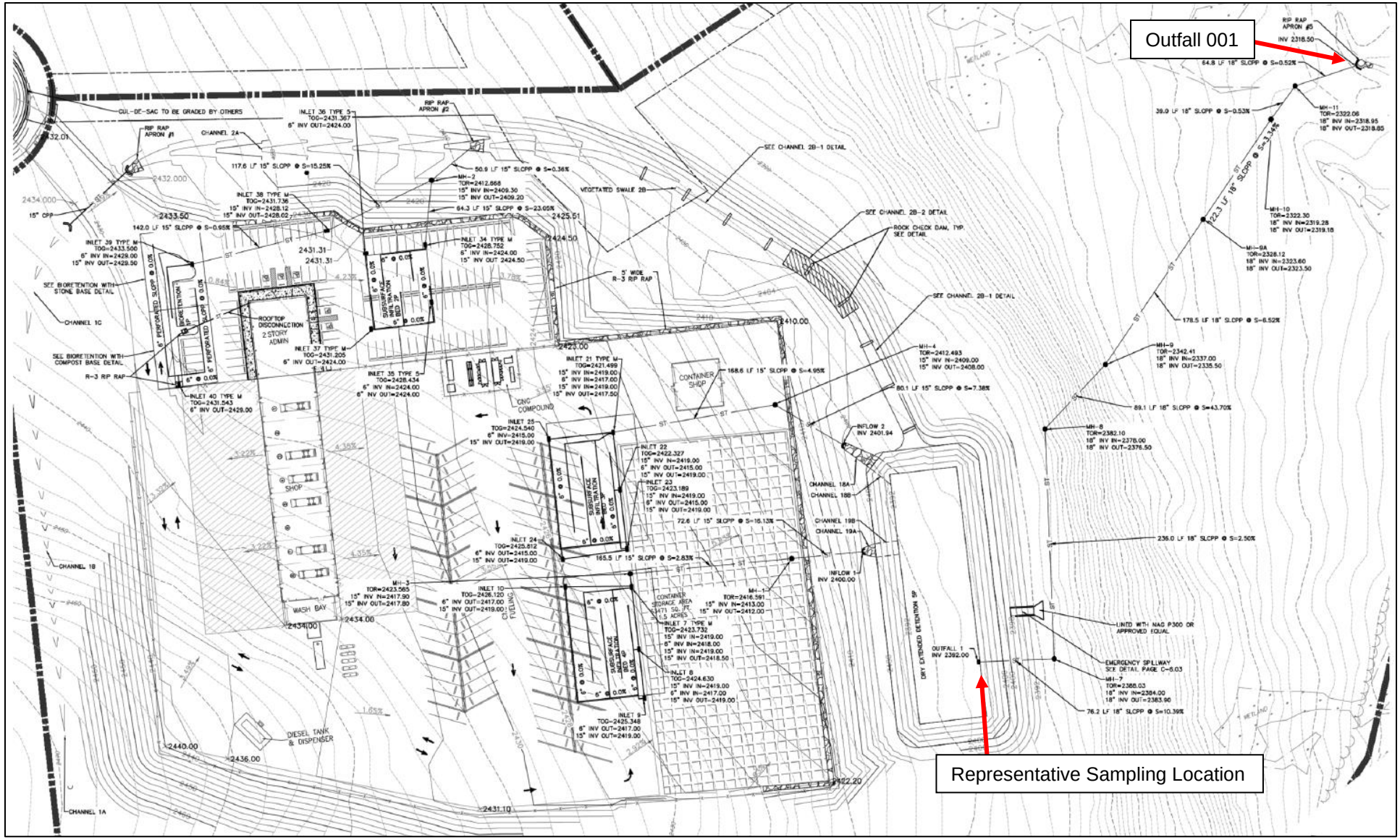


Figure 1. Facility stormwater drainage plan

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0
Latitude	40º 26' 43.8"	Longitude	-78º 53' 10"
Quad Name	Vintondale	Quad Code	1514
Wastewater Description:	Stormwater		
Receiving Waters	Laurel Run (HQ-CWF)	Stream Code	45023
NHD Com ID	123725189	RMI	8.4
Drainage Area	0.18 mi^2	Yield (cfs/mi^2)	0.08
Q_{7-10} Flow (cfs)	0.0144	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	2399 (mean basin elevation)	Slope (ft/ft)	0.07 (mean basin slope)
Watershed No.	18-D	Chapter 93 Class.	HQ-CWF
Existing Use	n/a	Existing Use Qualifier	n/a
Exceptions to Use	none	Exceptions to Criteria	n/a
Assessment Status	Attaining Use		
Cause(s) of Impairment	n/a		
Source(s) of Impairment	n/a		
TMDL Status	Final	Name	Kiskiminetas-Conemaugh River Watersheds TMDL
Nearest Downstream Public Water Supply Intake	Buffalo Township Municipal Authority Freeport		
PWS Waters	Allegheny River	Flow at Intake (cfs)	2390
PWS RMI	311.3	Distance from Outfall (mi)	>60 mi

Changes Since Last Permit Issuance: n/a

Other Comments:

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** 0
Latitude 40º 26' 43.8" **Longitude** -78º 53' 10"
Wastewater Description: Stormwater

Technology-Based Limitations

Outfall 001 will be subject to 2022 PAG-03 General Stormwater permit conditions as a minimum requirement because the outfalls discharge stormwater associated with industrial activity. The SIC codes for the facility are 4212— Local Trucking Without Storage and 7538—General Automotive Repair Shops so the corresponding appendix of the PAG-03 that applies is Appendix L—Land Transportation and Petroleum Stations and Terminals. The reporting requirements applicable to stormwater discharges are shown in Table 2 below. Along with the monitoring requirements, sector specific BMPs included in Appendix L of the PAG-03 will also be included in Part C of the Draft Permit.

Table 1. 2022 PAG-03 Appendix L monitoring requirements

Parameter	Benchmark Values (mg/L)	Measurement Frequency	Sample Type
Total Nitrogen	XXX	1/6 Months	Grab
Total Phosphorus	XXX	1/6 Months	Grab
Total Suspended Solids (TSS)	100	1/6 Months	Grab
Oil & Grease	30	1/6 Months	Grab

Water Quality-Based Limitations

Stormwater WQBELs

Water quality analyses are typically performed under low-flow (Q7-10) stream conditions. Stormwater discharges occur at variable rates and frequencies but not however during Q7-10 conditions. Since the discharge from Outfall 001 is composed entirely of stormwater, a formal water quality analysis cannot be accurately conducted. Accordingly, water quality-based effluent limitations are not proposed.

Anti-Degradation

Laurel Run has a 25 PA Code Chapter 93 High Quality-Cold Water Fishes (HQ-CWF) designated use and is not considered impaired (source: *2024 Integrated Report*). Antidegradation regulations under Chapter 93.4c(a)(l)(i) requires existing use protection when information available indicates a surface water attains or has attained an existing use. Facilities discharging stormwater to a HQ stream are not eligible for PAG-03 permits due to degradation risks, so more stringent stormwater benchmarks must be put into place.

To ensure that the discharge does not degrade the stream, the PAG-03 No Exposure Certification concentrations shown in Table 3 below will be used as the benchmark values in the Draft Permit. If a facility's stormwater discharge meets the stringent concentrations of No Exposure Certification, then it is assumed that the stormwater is uncontaminated and not contributing to stream degradation. These benchmark values are not effluent limitations, and an exceedance of the benchmark value is not a violation. An exceedance of the benchmark provides permittees with an indication that the facility's BMPs may not be sufficiently controlling pollutants in stormwater. A Part C condition is included in the Draft Permit requiring a Corrective Action Plan to evaluate site stormwater controls and BMPs when there is an exceedance of the benchmark values.

Table 2. No Exposure Certification concentrations

Parameter	No Exposure Certification Concentrations (mg/L)
Oil & Grease	≤ 5.0
5-Day Biochemical Oxygen Demand (BOD5)	≤ 10
Chemical Oxygen Demand (COD)	≤ 30
Total Suspended Solids (TSS)	≤ 30
Total Nitrogen	≤ 2.0
Total Phosphorus	≤ 1.0
Total Iron	≤ 7.0
pH (S.U.)	6.0-9.0 (unless precipitation pH is below 6.0)

Proposed Effluent Limitations and Monitoring Requirements

Effluent limits imposed at Outfall 001 are the more stringent of TBELs, WQBELs, regulatory effluent standards, and monitoring requirements as summarized in Table 5. The pH benchmark was adjusted to ≤9.0 S.U. to reflect possible influence of acid rain on stormwater in order to avoid benchmark exceedances from natural causes.

Table 5. Proposed stormwater effluent limitations

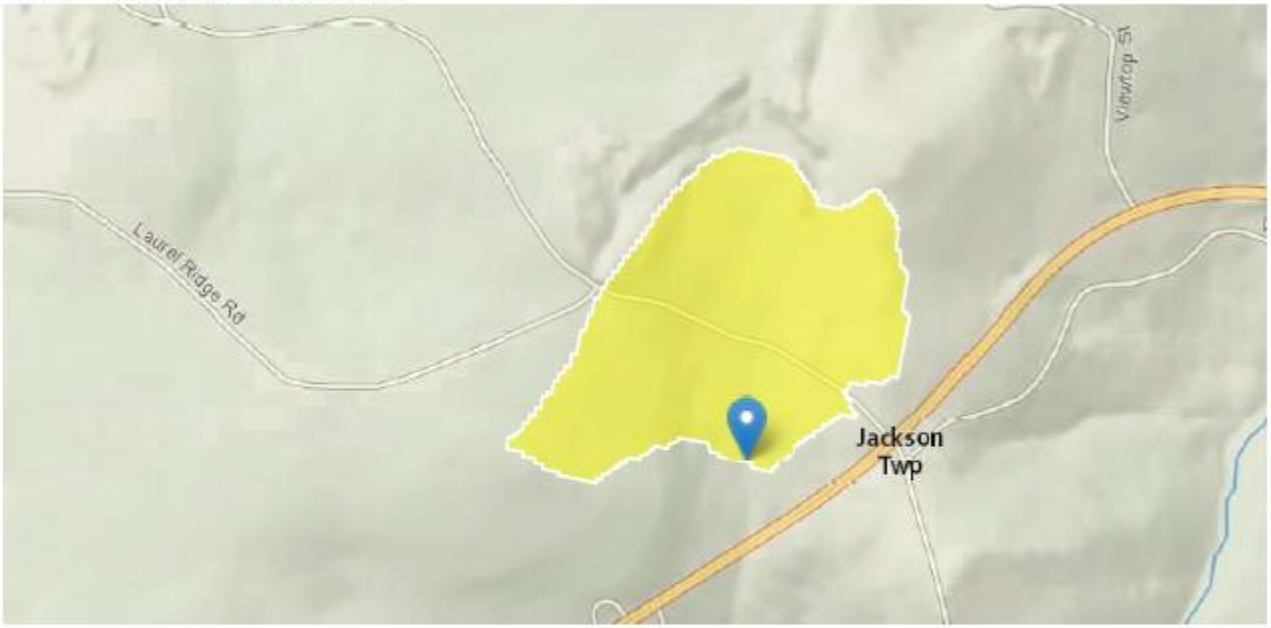
Parameter	Daily Maximum (mg/L)	Benchmark Value (mg/L)	Monitoring Frequency	Sample Type
Oil & Grease	Report	≤ 5.0	1/6 Months	Grab
5-Day Biochemical Oxygen Demand (BOD5)	Report	≤ 10	1/6 Months	Grab
Chemical Oxygen Demand (COD)	Report	≤ 30	1/6 Months	Grab
Total Suspended Solids (TSS)	Report	≤ 30	1/6 Months	Grab
Total Nitrogen	Report	≤ 2.0	1/6 Months	Grab
Total Phosphorus	Report	≤ 1.0	1/6 Months	Grab
Total Iron	Report	≤ 7.0	1/6 Months	Grab
pH (S.U.)	Report	≤ 9.0	1/6 Months	Grab

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: BCW-PMT-001
☒	Other: USGS StreamStats (see attachment A), 2024 Integrated Report, 2022 PAG-03

Attachment A:
USGS StreamStats

StreamStats Report for PA0285323 Laurel Highlands Hauling Company and CNG Fueling

Region ID: PA
Workspace ID: PA20240627130152683000
Clicked Point (Latitude, Longitude): 40.44610, -78.88602
Time: 2024-06-27 09:02:13 -0400



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
BSLOPD	Mean basin slope measured in degrees	3.9697	degrees
DRNAREA	Area that drains to a point on a stream	0.18	square miles
ELEV	Mean Basin Elevation	2399	feet
PRECIP	Mean Annual Precipitation	49	inches

Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 3]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.18	square miles	2.33	1720

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
ELEV	Mean Basin Elevation	2399	feet	898	2700
PRECIP	Mean Annual Precipitation	49	inches	38.7	47.9

Low-Flow Statistics Disclaimers [Low Flow Region 3]

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 3]

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.0329	ft^3/s
30 Day 2 Year Low Flow	0.0505	ft^3/s
7 Day 10 Year Low Flow	0.0144	ft^3/s
30 Day 10 Year Low Flow	0.0195	ft^3/s
90 Day 10 Year Low Flow	0.0289	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/)