

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0219029
APS ID 1127253
Authorization ID 1509220

Applicant and Facility Information


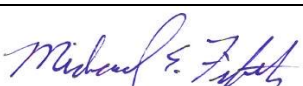
Applicant Name	<u>Marcon Building Supply, Inc.</u>	Facility Name	<u>Markleysburg Facility</u>
Applicant Address	<u>4888 National Pike</u> <u>Markleysburg, PA 15459-1028</u>	Facility Address	<u>4888 National Pike</u> <u>Markleysburg, PA 15459-1028</u>
Applicant Contact	<u>Jubal Margroff</u>	Facility Contact	<u>Jubal Margroff</u>
Applicant Phone	<u>(724) 437-2703</u>	Facility Phone	<u>(724) 437-2703</u>
Client ID	<u>347609</u>	Site ID	<u>550339</u>
SIC Code	<u>3273</u>	Municipality	<u>Henry Clay Township</u>
SIC Description	<u>Ready-Mixed Concrete</u>	County	<u>Fayette</u>
Date Application Received	<u>December 10, 2024</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>December 12, 2024</u>	If No, Reason	<u></u>
Purpose of Application	<u>Renewal NPDES permit for industrial stormwater discharge from existing facility to HQ waters</u>		

Summary of Review

The Department received an NPDES industrial stormwater permit renewal application for the Marcon Building Supply, Inc., Markleysburg Facility on 12/10/2024. The application received was a PAG-03 Notice of Intent (NOI); this was a mistake by the permittee's consultant since an Individual Stormwater NPDES permit renewal application was technically required. It was determined by the reviewer that information provided with the NOI, supplemented with a recent compliance evaluation inspection report, DMR data, the prior Draft fact sheet, and information provided directly by reaching out to the permittee, and proper individual stormwater fee was sufficient to proceed with Draft permit renewal review without requiring resubmission of the proper forms. The previous permit was issued on 5/13/2020 with an effective date of 6/1/2020 and an expiration date of 5/31/2025. No NPDES permit was held for this facility before the previous permit.

Shown in Figure 1 and Figure 2, the approximately 4-acre facility is a building supply service with a commercial ready-mixed concrete plant yard. Previously known as Dennis Lumber Company, the site has historically been used as a hardware & building supply. The Dennis' hardware store predated the mid-1950s. Also cited in the prior Draft fact sheet, supply of ready-mix concrete on a commercial basis was established as early as August 1958 as evidenced by a historic newspaper ad (Attachment B). There was a fueling station in front of the building supply store, but that has been removed and the underground tank storage has been remediated since prior permit issuance. The site consists of the building supply store on the northern side along Route 40, an attached concrete plant, a central concrete plant yard, an aggregate bin yard with conveyor on the western side along Flat Rock Road, a maintenance garage in the south-central portion, truck washout pits adjacent to the maintenance garage, and an equipment laydown yard in the far southeast corner.

The concrete truck loading area is a sloped pit to contain stormwater runoff that comes in contact with the direct surrounding area (Figure 3). Excess concrete from trucks is used for the manufacture of precast items. For truck barrel washout, a three-bay set of impermeable concrete washout pits are used for containment; the area around the entry to the pits is graded to

Approve	Deny	Signatures	Date
X		 Jace William Marsh / Environmental Engineering Specialist	March 24, 2025
X		 Michael E. Fifth, P.E. / Environmental Engineer Manager	April 1, 2025

Summary of Review

ensure no overflow escapes from the front. Washwater is recycled and also used in precast operations. **No discharge is permitted from the washout pits by this permit.** Solids removed from the pits are stored in an adjacent solids containment area to be screened and reused. Stormwater runoff from the central concrete plant yard, stormwater overflow from the containment pit at the concrete truck loading area, and stormwater runoff from around the building supply store flows to a series of four gravel infiltration basins on the eastern side of the yard separated by weirs (Figure 4). The final weir, Outfall 001, discharges to a wooded area—the headwater source of Tributary 38509 of Beaver Creek. Remaining stormwater from the aggregate bin yard and laydown yard runs off as sheet flow to the same wooded wetland area. Tributary 38509 of Beaver Creek has a 25 PA Code Chapter 93 High Quality-Cold Water Fishes (HQ-CWF) designated use and is not impaired (source: *2024 Integrated Report*).

The permittee currently has no open violations and last had a compliance evaluation inspection on 8/12/2024 by Lisa Milsop with no violations noted. Lisa requested that interior floor drains in the garage be sealed from discharging outside the building, and this was completed on 8/27/2024. A one-year summary of quarterly DMR data is shown in the Compliance History section on Page 6 of this Fact Sheet, which demonstrates pollutant concentrations well below current limits & benchmarks.

An anti-degradation analysis was not necessary since this is an existing stormwater discharge from a site that has historically operated as a commercial concrete yard since at least 1958, predating the attainment of HQ-CWF designation of Tributary 38509 of Beaver Creek. Benchmarks are based off the 2022 PAG-03 General Stormwater Appendix N. Past limits are applied to the Draft permit consistent with anti-backsliding regulations. Draft permit issuance is recommended.

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.

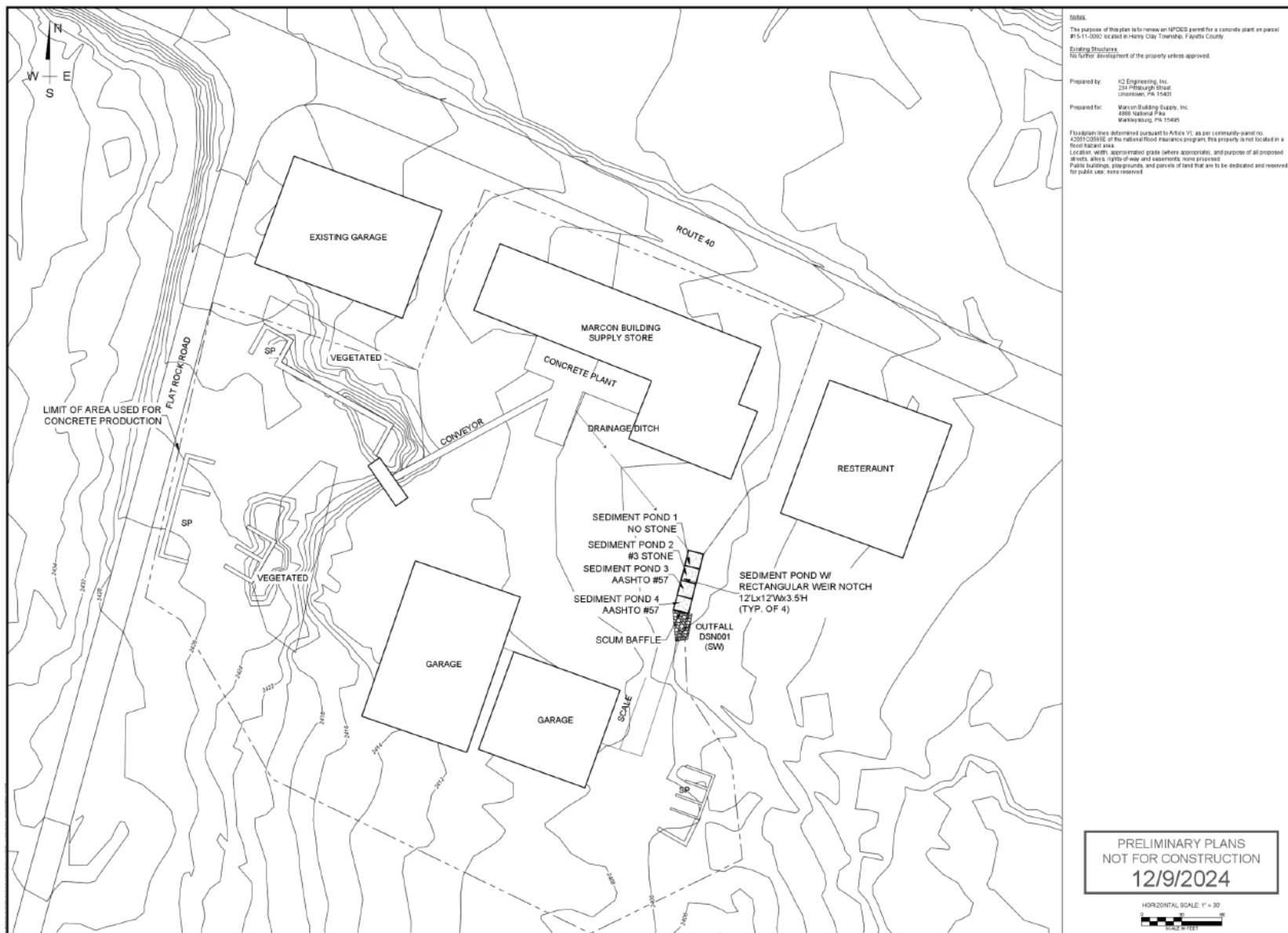


Figure 1. Layout of Marcon Building Supply, Inc. Markleysburg Facility

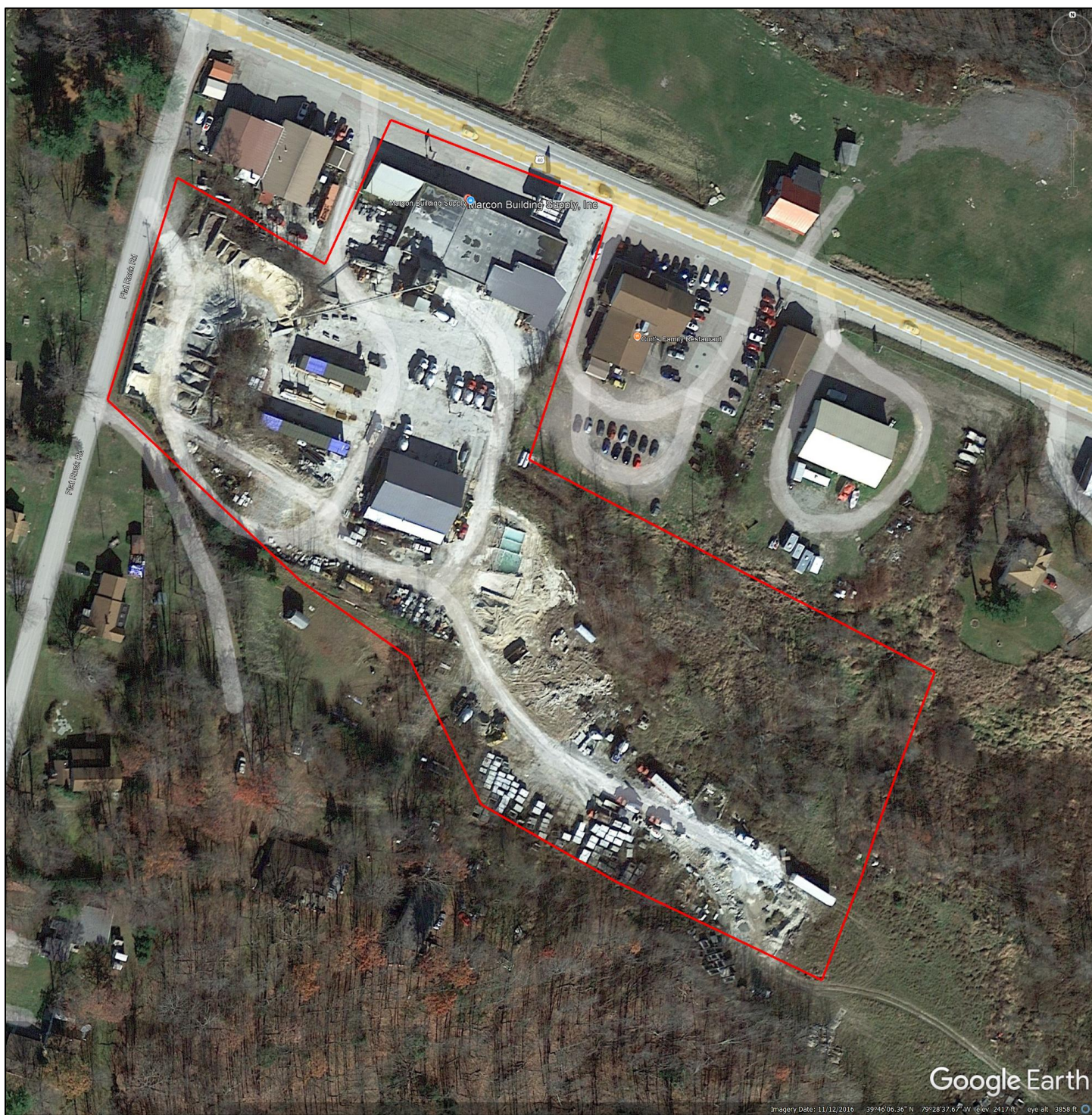


Figure 2. Satellite imagery of Markleysburg Facility with approximate facility boundary in red



Figure 3. Concrete truck loading area showing stormwater containment pit



Outfall 001

Figure 4. Gravel infiltration pits for stormwater runoff

Compliance History

DMR Data for Outfall 001 (from February 1, 2024 to January 31, 2025)

Parameter	DEC-24	SEP-24	JUN-24	MAR-24
pH (S.U.) Instantaneous Minimum	8.11	7.95	8.11	8.08
pH (S.U.) Instantaneous Maximum	8.11	7.95	8.11	8.08
TSS (mg/L) Daily Maximum	2.0	2.0	2.0	2.0
Total Aluminum (mg/L) Daily Maximum	0.1	0.1	0.1	0.1
Total Iron (mg/L) Daily Maximum	0.11	0.09	0.05	0.05

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0
Latitude	39° 46' 6.82"	Longitude	-79° 28' 33.19"
Quad Name	2010	Quad Code	Ohiopyle
Wastewater Description: Stormwater from concrete plant yard			
Receiving Waters	Tributary 38509 of Beaver Creek (HQ-CWF)	Stream Code	38509
NHD Com ID	69923141	RMI	0.5
Drainage Area	0.0349 mi ²	Yield (cfs/mi ²)	0.00556
Q ₇₋₁₀ Flow (cfs)	0.000194	Q ₇₋₁₀ Basis	USGS StreamStats
Elevation (ft)	2408	Slope (ft/ft)	0.038
Watershed No.	19-E	Chapter 93 Class.	HQ-CWF
Existing Use	n/a	Existing Use Qualifier	n/a
Exceptions to Use	n/a	Exceptions to Criteria	n/a
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	n/a		
Source(s) of Impairment	n/a		
TMDL Status	n/a	Name	n/a
Nearest Downstream Public Water Supply Intake	North Fayette County Municipal Authority		
PWS Waters	Youghiogheny River	Flow at Intake (cfs)	460
PWS RMI	46.5	Distance from Outfall (mi)	26.1

Changes Since Last Permit Issuance: No significant changes were made.

Other Comments:

Development of Effluent Limitations

Outfall No. 001 Design Flow (MGD) 0
Latitude 39° 46' 6.82" Longitude -79° 28' 33.19"
Wastewater Description: Stormwater from concrete plant yard

Technology-Based Limitations

Outfall 001 is 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 3273—Ready-Mixed Concrete so the corresponding appendix of the PAG-03 that applies is Appendix N—Glass, Clay, Cement, Concrete, and Gypsum Products. The reporting requirements applicable to stormwater discharges under this appendix are shown in Table 1 below. PAG-03 Appendix N best management practices will be included in Part C of the Draft Permit.

Table 1. 2022 PAG-03 Appendix N 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
pH (S.U.)	9.0	1/6 Months	Grab
Total Suspended Solids	100	1/6 Months	Grab
Total Aluminum	XXX	1/6 Months	Grab
Total Iron	XXX	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 discharges from the outfalls are composed entirely of stormwater, a formal water quality analysis cannot be accurately conducted. Accordingly, water quality-based effluent limitations are not proposed.

Anti-Degradation

An anti-degradation analysis is not necessary since the facility has been a commercial concrete mixing operation discharging stormwater since at least 1958, making it an existing water quality component of the HQ-CWF designation of Tributary 38509 of Beaver Creek.

In lieu of an anti-degradation analysis, a Part C condition of the Draft permit is included that requires a Corrective Action Plan (CAP) to be submitted if one or more exceedances of the benchmarks occur. Under typical PAG-03 General Stormwater permit circumstances, a CAP is required following two or more consecutive exceedances, but since this facility discharges to a HQ-CWF stream that has special water quality concerns only one exceedance should trigger the need for a CAP. The CAP must be submitted within 90 days of the end of the monitoring period triggering the need for the plan and shall implement the plan immediately or in accordance with a schedule proposed by the permittee in the CAP, unless otherwise notified by DEP in writing.

Anti-Backsliding

Previous limits can be used pursuant to EPA's anti-backsliding regulation, 40 CFR 122.44(l).

Table 4. Limits from previous permit

Parameter	Instantaneous Minimum (mg/L)	Daily Maximum (mg/L)	Instantaneous Maximum (mg/L)	Benchmark Values (mg/L)	Measurement Frequency	Sample Type
pH (S.U.)	6.0	—	9.0	—	1/quarter	Grab
Total Suspended Solids	—	100.0	—	—	1/quarter	Grab
Total Aluminum	—	Report	—	0.75	1/quarter	Grab
Total Iron	—	Report	—	1.0	1/quarter	Grab

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 limit was adjusted to only ≤ 9.0 S.U. to reflect possible influence of acid rain on stormwater to avoid exceedances of the lower bound from natural causes. Benchmark values are carried over from the prior permit. Monitoring was adjusted to 1/6 months due to consistent achievement of past limits & benchmarks.

Table 5. Proposed stormwater effluent limitations

Parameter	Daily Maximum (mg/L)	Benchmark Value (mg/L)	Monitoring Frequency	Sample Type
Total Nitrogen	Report	XXX	1/6 Months	Grab
Total Phosphorus	Report	XXX	1/6 Months	Grab
pH (S.U.)	≤ 9.0 at all times	XXX	1/6 Months	Grab
Total Suspended Solids	100.0	XXX	1/6 Months	Grab
Total Aluminum	Report	0.75	1/6 Months	Grab
Total Iron	Report	1.0	1/6 Months	Grab

Tools and References Used to Develop Permit	
<input type="checkbox"/>	WQM for Windows Model (see Attachment)
<input type="checkbox"/>	Toxics Management Spreadsheet (see Attachment)
<input type="checkbox"/>	TRC Model Spreadsheet (see Attachment)
<input type="checkbox"/>	Temperature Model Spreadsheet (see Attachment)
<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 checked="" 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 checked="" type="checkbox"/>	SOP: BCW-PMT-001
<input checked="" type="checkbox"/>	Other: USGS StreamStats (see attachment A)


Attachment A: USGS StreamStats

PA0219029 StreamStats Report

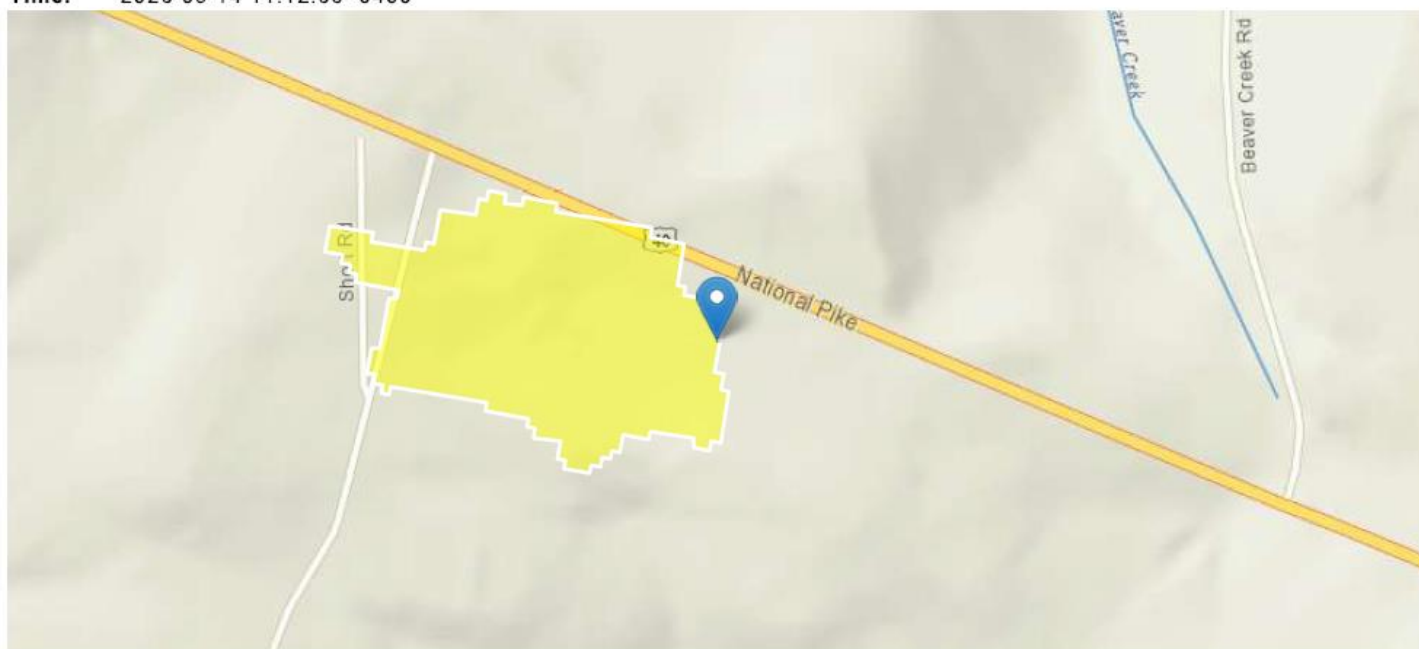
Region ID: PA

Workspace ID: PA20250314151236591000

Clicked Point (Latitude, Longitude): 39.76798, -79.47364

NHD Stream GNIS Name of Click Point:  Stream name not found

Time: 2025-03-14 11:12:58 -0400



➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
BSLOPD	Mean basin slope measured in degrees	2.1809	degrees
DRNAREA	Area that drains to a point on a stream	0.0349	square miles
ELEV	Mean Basin Elevation	2415	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	0.0349	square miles	2.26	1400
ELEV	Mean Basin Elevation	2415	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	0.0011	ft ³ /s
30 Day 2 Year Low Flow	0.00259	ft ³ /s
7 Day 10 Year Low Flow	0.000194	ft ³ /s

Statistic	Value	Unit
30 Day 10 Year Low Flow	0.000571	ft ³ /s
90 Day 10 Year Low Flow	0.00161	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/>)

➤ NHD Features of Delineated Basin

NHD Streams Intersecting Basin Delineation Boundary

This functionality attempts to find the stream name at the delineation point. The name of the nearest intersecting National Hydrography Dataset (NHD) stream is selected by default to appear in the report above. NHD streams do not correspond to the StreamStats stream grid and may not be accurate. If you would like a different stream to appear in the above section, please make a selection below.

No NHD streams intersect the delineated basin.

Watershed Boundary Dataset (WBD) HUC 8 Intersecting Basin Delineation Boundary

This functionality attempts to find the intersecting HUC 8 of the delineated watershed. HUC boundaries do not correspond to the StreamStats data and may not be accurate.

HUC 8	Name
05020006	Youghiogheny
05020004	Cheat

NHD Hydrologic Features Citations

Attachment B:
August 1958 Newspaper Ad—Dennis Lumber Company

Morning Herald (Uniontown, Pennsylvania)
1958 > August > 21

Save

READ AND USE WANTS ADS FOR FAST RESULTS

WANT AD Information
Local Rates
1 line - 10¢
2 line - 15¢
3 line - 20¢
4 line - 25¢
5 line - 30¢
6 line - 35¢
7 line - 40¢
8 line - 45¢
9 line - 50¢
10 line - 55¢
11 line - 60¢
12 line - 65¢
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