

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

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

Application No. PAS606103
APS ID 1138938
Authorization ID 1529944

Applicant and Facility Information

Applicant Name	<u>Shartzter Auto Wreckers</u>	Facility Name	<u>Shartzter Auto Wreckers</u>
Applicant Address	<u>3992 National Pike</u> <u>Farmington, PA 15437-1321</u>	Facility Address	<u>3992 National Pike</u> <u>Farmington, PA 15437-1321</u>
Applicant Contact	<u>Donald Shartzter Jr.</u>	Facility Contact	<u>Donald Shartzter Jr.</u>
Applicant Phone	<u>(724) 329-5523</u>	Facility Phone	<u>(724) 329-5523</u>
Client ID	<u>209333</u>	Site ID	<u>505687</u>
SIC Code	<u>5015</u>	Municipality	<u>Wharton Township</u>
SIC Description	<u>Wholesale Trade - Motor Vehicle Parts, Used</u>	County	<u>Fayette</u>
Date Application Received	<u>June 8, 2025</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>June 9, 2025</u>	If No, Reason	<u></u>
Purpose of Application	<u>Renewal NPDES permit for industrial stormwater discharge from existing facility to HQ waters</u>		


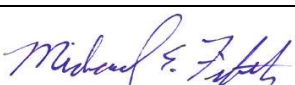
Summary of Review

The Department received an NPDES industrial stormwater permit renewal application for Shartzter Auto Wreckers on 6/8/2025. The prior permit was issued on 11/17/2020 with an effective date of 12/1/2020 and an expiration date of 11/30/2025.

Shown in Figure 1, Shartzter Auto Wreckers is an automobile salvage yard. The approximately 20.2-acre facility consists of a vehicle dismantling & storage building, a parts storage building, an office, scrap compactor area, and an unpaved salvage vehicle yard. Salvage vehicles are acquired, dismantled on-site, valuable parts are sold, and any remaining material is recycled. There are no floor drains located in the dismantling shop building. Fluid spills that may occur during disassembly are immediately cleaned up and placed in waste storage drums. Used motor oil, antifreeze, and transmission fluid is stored in 55-gallon drums for resale or recycling. All unusable batteries are stored under cover for recycling. Daily visual walkaround inspections occur during normal business operations with areas identified for general housekeeping as necessary. Outfall 001 is inspected monthly.

Stormwater runoff from the yard and buildings is directed by ditches and berms to Outfall 001, discharging through a culvert under Fike Hollow Road to Tributary 38519 to Deadman Run. Tributary 38519 to Deadman Run has a 25 PA Code Chapter 93 High Quality-Cold Water Fishes designated use and is impaired for siltation and organic enrichment from on-site treatment systems (septic systems and similar decentralized systems) (source: 2024 Integrated Report).

The permittee currently has no open violations and last had an inspection on 4/7/2021 by Howard Dunn with no violations noted. The past two years of DMR data have demonstrated compliance with current benchmarks. According to the current permit, a Corrective Action Plan (CAP) is to be submitted after two consecutive exceedances. **Please be aware that the Draft**

Approve	Deny	Signatures	Date
X		 Jace W. Marsh / Environmental Engineering Specialist	July 10, 2025
X		 Michael E. Fifth, P.E. / Environmental Engineer Manager	July 24, 2025

Summary of Review

permit requires a CAP following **one** exceedance of benchmarks to be protective of the HQ-CWF designation of Tributary 38519 to Deadman Run.

Monitoring requirements and benchmarks for Outfall 001 in the Draft permit are based on the 2022 PAG-03 General Stormwater Permit Appendix O, PAG-03 No Exposure Certification, and the prior permit. 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.

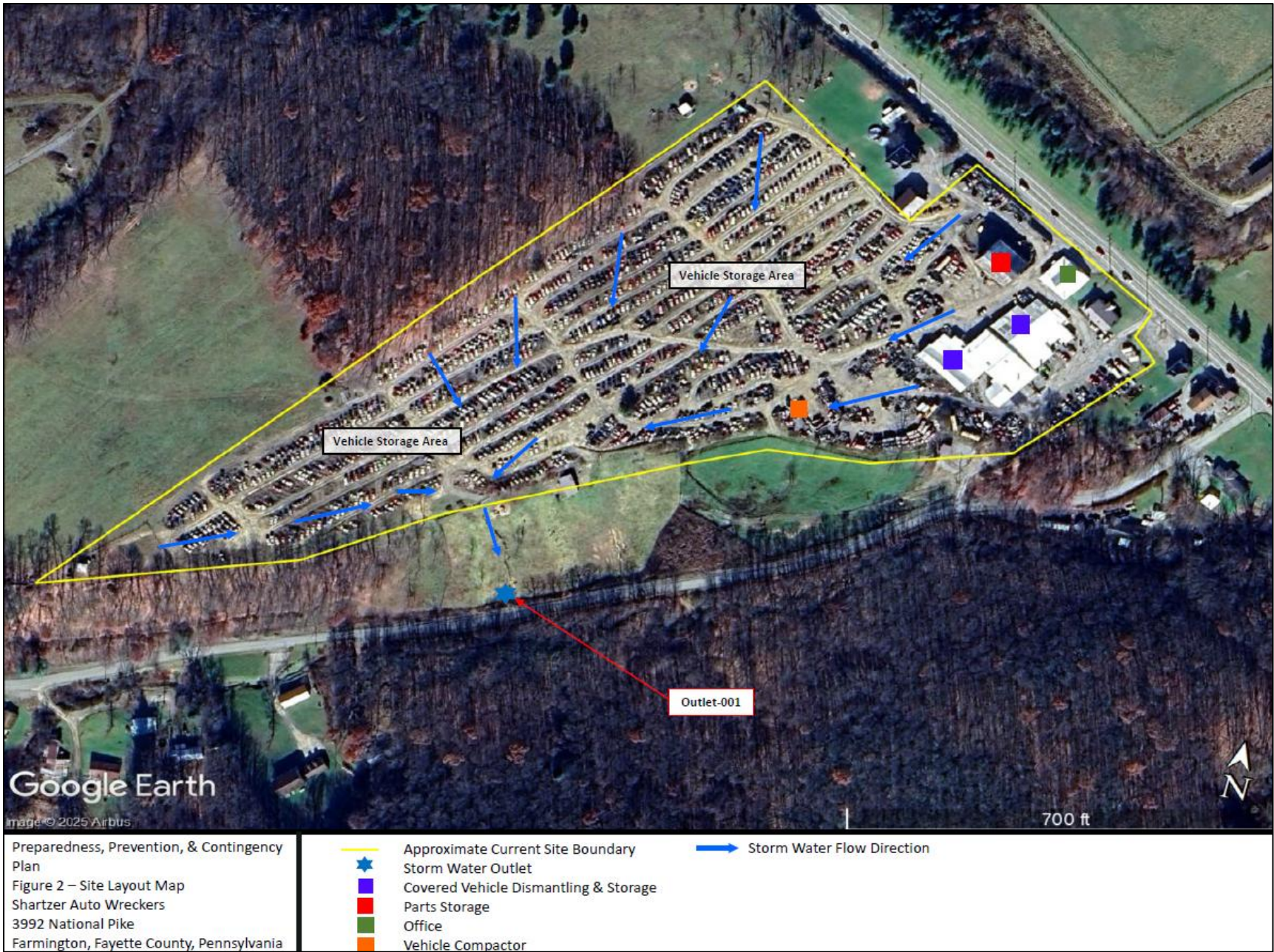


Figure 1. Layout of Shartzter Auto Wreckers

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0</u>
Latitude	<u>39° 47' 43"</u>	Longitude	<u>-79° 32' 53.89"</u>
Quad Name	<u>Fort Necessity</u>	Quad Code	<u>2009</u>
Wastewater Description: <u>Stormwater from automobile salvage yard</u>			
Receiving Waters	<u>Tributary 38519 to Deadman Run (HQ-CWF)</u>	Stream Code	<u>38519</u>
NHD Com ID	<u>69922973</u>	RMI	<u>0.46</u>
Drainage Area	<u>0.55 mi²</u>	Yield (cfs/mi ²)	<u>0.0095</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.00521</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStats</u>
Elevation (ft)	<u>1811</u>	Slope (ft/ft)	<u>0.074 (mean basin slope)</u>
Watershed No.	<u>19-E</u>	Chapter 93 Class.	<u>HQ-CWF</u>
Existing Use	<u>n/a</u>	Existing Use Qualifier	<u>n/a</u>
Exceptions to Use	<u>n/a</u>	Exceptions to Criteria	<u>n/a</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>Organic Enrichment, Siltation</u>		
Source(s) of Impairment	<u>On-Site Treatment Systems (Septic Systems and Similar Decentralized Systems)</u>		
TMDL Status	<u>n/a</u>	Name	<u>n/a</u>
Nearest Downstream Public Water Supply Intake	<u>North Fayette County Municipal Authority</u>		
PWS Waters	<u>Youghiogheny River</u>	Flow at Intake (cfs)	<u>460</u>
PWS RMI	<u>46.5</u>	Distance from Outfall (mi)	<u>25.2</u>

Changes Since Last Permit Issuance: no significant changes

Other Comments:

Stormwater Sample Data

DMR Data for Outfall 001 (from Q3 2024-Q2 2025)

Parameter	2023		2024				2025	
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
TSS (mg/L) Instantaneous Maximum	4.0	5.0	<4.0	<4.0	13.0	5.0	ND	<4.0
Oil and Grease (mg/L) Instantaneous Maximum	<5.0	<5.0	<5.0	<5.0	<4.0	<6.2	ND	<5.0
Total Aluminum (mg/L) Instantaneous Maximum	0.17	0.628	0.139	0.274	0.313	0.063	ND	0.108
Total Copper (mg/L) Instantaneous Maximum	<0.005	<0.004	<0.02	<0.005	0.0083	<0.005	ND	<0.0060
Total Iron (mg/L) Instantaneous Maximum	0.136	0.549	0.095	0.205	0.265	0.055	ND	0.0607
Total Lead (mg/L) Instantaneous Maximum	<0.01	<0.001	<0.01	<0.010	<0.010	<0.01	ND	<0.010
Total Zinc (mg/L) Instantaneous Maximum	0.0468	0.0531	0.048	0.0515	0.0248	0.053	ND	0.0510

Data Submitted with the Application

Parameter	Concentration (mg/L)	Sample Type
Total Nitrogen	0.28	Grab
Total Phosphorus	0.14	Grab
Total Suspended Solids (TSS)	12.0	Grab
Oil & Grease	<2.2	Grab
Chemical Oxygen Demand (COD)	15.9	Grab
5-Day Biochemical Oxygen Demand (BOD5)	<2.0	Grab
pH (S.U.)	7.7	Grab
Total Iron	1.180	Grab
Total Aluminum	0.215	Grab
Total Copper	0.0025	Grab
Total Lead	0.0016	Grab
Total Zinc	0.0404	Grab

Development of Effluent Limitations

Outfall No. 001 Design Flow (MGD) 0
Latitude 39° 47' 43" Longitude -79° 32' 53.89"
Wastewater Description: Stormwater from automobile salvage yard

Technology-Based Limitations

The outfall is subject to 2022 PAG-03 General Stormwater permit conditions as a minimum requirement because it discharges stormwater associated with industrial activity. The SIC code for the facility is 5015—Motor Vehicle Parts, Used so the corresponding appendix of the PAG-03 that applies is Appendix O—Automobile Salvage Yards. The reporting requirements applicable to stormwater discharges under this appendix are shown in Table 1 below. PAG-03 Appendix O best management practices (BMPs) are included in Part C of the Draft Permit.

Table 1. 2022 PAG-03 Appendix O 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
Chemical Oxygen Demand (COD)	120	1/6 Months	Grab
Total Aluminum	XXX	1/6 Months	Grab
Total Iron	XXX	1/6 Months	Grab
Total Lead	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.

Antidegradation

Tributary 38519 to Deadman Run has a 25 PA Code Chapter 93 High Quality-Cold Water Fishes (HQ-CWF) designated use. 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 2 below are used as 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.

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)

Regulatory Water Quality Criteria

Since a benchmark based on the No Exposure Certification concentration for Total Iron of ≤ 7.0 could create potential for degradation of Tributary 38519 to Deadman Run, a more stringent limit is needed to assuage concerns. The specific water quality criterion for Total Iron is expressed as a 30-day average of 1.5 mg/L in 25 Pa. Code § 93.7(a). This criterion is based on the protection of aquatic life and is associated with chronic exposure; there are no other criteria for Total Iron. Because the total iron criterion is associated with chronic exposure, the maximum daily limit (representing acute exposure) may be made less stringent according to established procedures described in Section III.C.3.h on Page 13 of the Water Quality Toxics Management Strategy (Doc. # 361-0100-003). These procedures state that a maximum daily limit should be set at 2 times the average monthly limit. Since stormwater discharge does not occur every day of the month and is typically controlled by benchmarks, the 30-day average Total Iron criterion of 1.5 mg/L will be multiplied by 2 to yield a more protective benchmark of 3.0 mg/L.

Anti-Backsliding

Previous limits can be used pursuant to EPA's anti-backsliding regulation, 40 CFR 122.44(l). Previous monitoring requirements along with benchmarks are shown in Table 3.

Table 3. Monitoring requirements and benchmarks from previous permit for Outfall 001

Parameter	Instantaneous Maximum (mg/L)	Benchmark Values (mg/L)	Measurement Frequency	Sample Type
Total Suspended Solids (TSS)	Report	30.0	1/quarter	Grab
Oil & Grease	Report	5.0	1/quarter	Grab
Total Aluminum	Report	0.75	1/quarter	Grab
Total Copper	Report	0.014	1/quarter	Grab
Total Iron	Report	1.0	1/quarter	Grab
Total Lead	Report	0.082	1/quarter	Grab
Total Zinc	Report	0.12	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 4. 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. The prior Total Iron benchmark of 1.0 mg/L was based on EPA's MS4GP. Since concentration of Total Iron in turbid stream flow during a storm event can surpass 1.0 mg/L from natural suspended sediment of eroded native soil, the Total Iron concentration of 3.0 mg/L from the Regulatory Water Quality Criteria subsection above was chosen as a more positive indicator of excessive stormwater contamination from the automobile salvage operation. Other metals benchmarks are carried over. Monitoring is adjusted to 1/6 months due to consistent achievement of past limits & benchmarks.

These benchmark values are not effluent limitations, and an exceedance of a 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 4. Proposed stormwater monitoring requirements and benchmarks for Outfall 001

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	3.0	1/6 Months	Grab
pH (S.U.)	Report	9.0	1/6 Months	Grab
Total Aluminum	Report	0.75	1/6 Months	Grab
Total Copper	Report	0.014	1/6 Months	Grab
Total Lead	Report	0.082	1/6 Months	Grab
Total Zinc	Report	0.12	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 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, BCW-PMT-032
<input checked="" type="checkbox"/>	Other: USGS StreamStats (see attachment A), 2024 Integrated Report, 2022 PAG-03

Attachment A:
USGS StreamStats

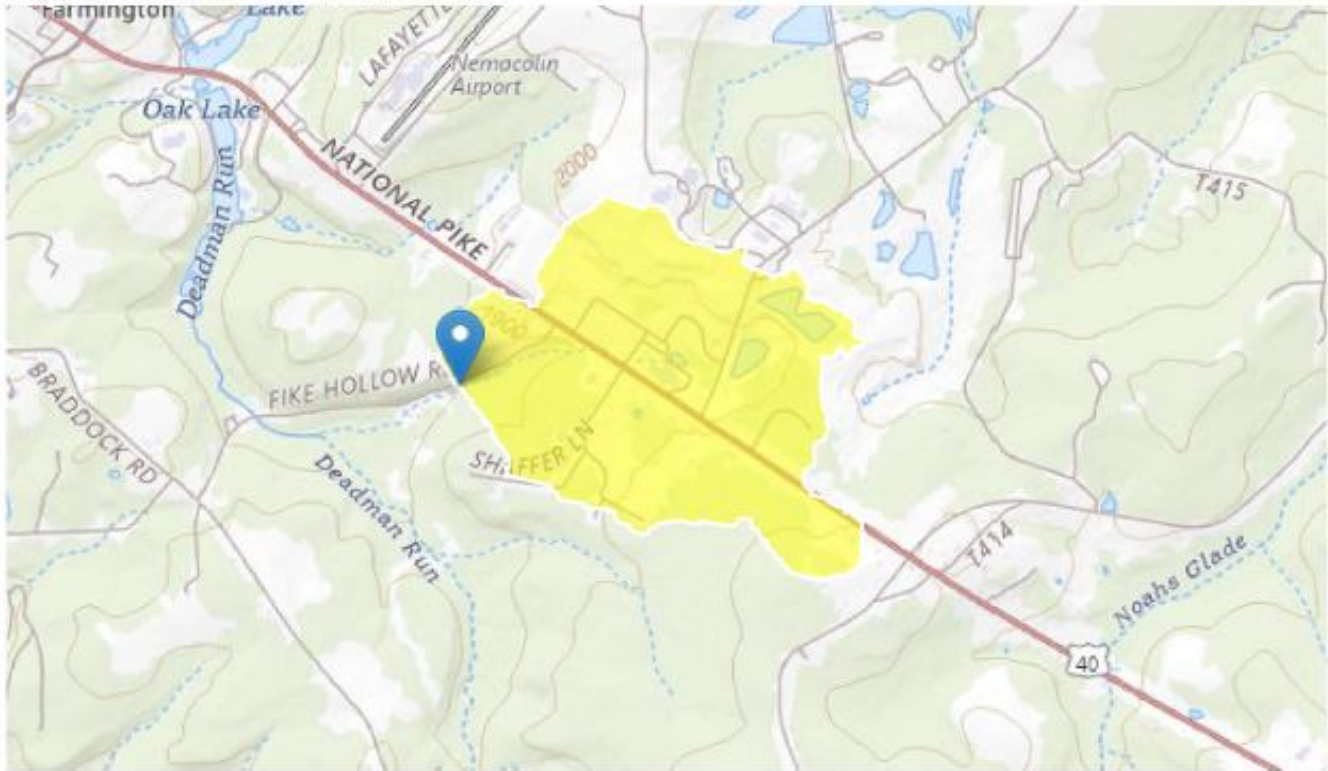
PAS606103 StreamStats Report

Region ID: PA

Workspace ID: PA20250708155908552000

Clicked Point (Latitude, Longitude): 39.79486, -79.54860

Time: 2025-07-08 11:59:31 -0400



Collapse All

➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
BSLOPD	Mean basin slope measured in degrees	4.2402	degrees
DRNAREA	Area that drains to a point on a stream	0.55	square miles
ELEV	Mean Basin Elevation	1984	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	1984	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	0.0216	ft ³ /s
30 Day 2 Year Low Flow	0.0442	ft ³ /s
7 Day 10 Year Low Flow	0.00521	ft ³ /s
30 Day 10 Year Low Flow	0.0122	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/>)