

Application Type New
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0285099
APS ID 1084741
Authorization ID 1433123

Applicant and Facility Information



Applicant Name	<u>Hemminger Auto and Truck Inc.</u>	Facility Name	<u>Hemminger Auto and Truck Inc.</u>
Applicant Address	<u>6288 Penn Avenue</u> <u>Friedens, PA 15541-8804</u>	Facility Address	<u>6288 Penn Avenue</u> <u>Friedens, PA 15541-8804</u>
Applicant Contact	<u>James Rose</u>	Facility Contact	<u>James Rose</u>
Applicant Phone	<u>(814) 241-5920</u>	Facility Phone	<u>(814) 241-5920</u>
Client ID	<u>367188</u>	Site ID	<u>525651</u>
SIC Code	<u>5015</u>	Municipality	<u>Jenner Township</u>
SIC Description	<u>Wholesale Trade - Motor Vehicle Parts, Used</u>	County	<u>Somerset</u>
Date Application Received	<u>March 27, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>March 30, 2023</u>	If No, Reason	<u></u>
Purpose of Application	<u>New Individual IW Stormwater NPDES Permit replacing PAG-03 Permit in High Quality watershed</u>		

Summary of Review

The Department received a new NPDES Permit application for IW Stormwater from Hemminger Auto and Truck Inc. on 3/27/2023 following denial of coverage under the PAG-03 Permit due to being located in a High Quality watershed. In operation for over 50 years, Hemminger Auto and Truck Inc. operates as a distributor of old and new automobile and truck parts and provides vehicle pick-up, delivery, engine removal, and vehicle dismantling services under SIC code 5015—Motor Vehicle Parts, Used. Shown in Attachment A, the facility consists of vehicle storage lots, a storage warehouse, a storage shed, and a building used as for an office and parts storage & sales. Most of the site is unpaved with the 662,112 square foot drainage area being only about 5% impervious. Vehicles are drained of fluids upon arrival to the facility, any storage drums or containers on site are inspected for deterioration and leaks, and general good housekeeping is utilized on site to minimize stormwater pollution potential.

Stormwater drains as sheet flow from the facility to a stormwater retention pond that discharges from Outfall 001. Outfall 001 flows overland to Tributary 45665 to Beaverdam Creek, a stream with a High Quality-Cold Water Fishes designated use (source: 2022 Integrated Report). The stormwater retention pond receives most of its stormwater from the vehicle storage lots.

The site discharges stormwater to a High Quality stream; therefore, an antidegradation analysis must be conducted. A non-discharge alternative analysis was not conducted because the discharge is an existing stormwater discharge. Non-degrading limitations were not developed or imposed because the discharge is stormwater-only. To ensure that the discharge does not degrade the stream, the No Exposure benchmark values will be used as the benchmark values in the permit. The goal for the permittee is to be consistently below these benchmark values; doing this shows that the discharges are uncontaminated stormwater and will maintain and protect the existing quality of the receiving waters.

Approve	Deny	Signatures	Date
x		 Jace William Marsh / Environmental Engineering Trainee	May 23, 2023
X		 Michael E. Fifth, P.E. / Environmental Engineer Manager	June 30, 2023

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.	<u>001</u>	Design Flow (MGD)	<u>n/a</u>
Latitude	<u>40° 06' 22.89"</u>	Longitude	<u>-79° 02' 38.65"</u>
Quad Name	<u>Somerset</u>	Quad Code	<u>1813</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Unnamed Tributary to Beaverdam Creek (HQ-CWF)</u>	Stream Code	<u>45665</u>
NHD Com ID	<u>123723254</u>	RMI	<u>2.13</u>
Drainage Area	<u>0.0473 mi²</u>	Yield (cfs/mi ²)	<u>0.0351</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.00166</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStats</u>
Elevation (ft)	<u>2245</u>	Slope (ft/ft)	<u>0.1</u>
Watershed No.	<u>18-E</u>	Chapter 93 Class.	<u>HQ-CWF</u>
Existing Use	<u>HQ-CWF</u>	Existing Use Qualifier	<u>Aquatic Life</u>
Exceptions to Use	<u>n/a</u>	Exceptions to Criteria	<u>n/a</u>
Assessment Status	<u>Attaining Use</u>		
Cause(s) of Impairment	<u>n/a</u>		
Source(s) of Impairment	<u>n/a</u>		
TMDL Status	<u>Final</u>	Name	<u>Kiskiminetas-Conemaugh River Watersheds TMDL</u>
Nearest Downstream Public Water Supply Intake	<u>Hooversville Municipal Authority</u>		
PWS Waters	<u>Stony Creek River</u>	Flow at Intake (cfs)	<u>9.09</u>
PWS RMI	<u>25.6</u>	Distance from Outfall (mi)	<u>10.7</u>

Changes Since Last Permit Issuance: n/a

Development of Effluent Limitations

Outfall No. <u>001</u> Latitude <u>40° 06' 22.89"</u> Wastewater Description: <u>Stormwater</u>	Design Flow (MGD) <u>n/a</u> Longitude <u>-79° 02' 38.65"</u>
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Stormwater Technology Limits

Outfall 001 will be subject to PAG-03 General Stormwater permit conditions as a minimum requirement because the outfalls discharge stormwater associated with industrial activity. The SIC code for the site is 5015—Motor Vehicle Parts, Used and the corresponding appendix of the PAG-03 that would apply to the facility is Appendix O—Automobile Salvage Yards. The reporting requirements applicable to stormwater discharges are shown in Table 1 below. Along with the monitoring requirements, sector specific BMPs included in Appendix S of the PAG-03 will also be included in Part C of the Draft Permit.

Table 1. PAG-03 Appendix O 2023 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 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

Antidegradation regulations under Chapter 93.4c(a)(l)(i) require dischargers 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 protections required under Chapter 93.4c(a)(l)(i) are ensured for discharges to high quality streams imposing the most stringent of technology-based, water quality-based and non-degrading effluent limitations. To ensure that the discharge does not degrade the stream, the No Exposure benchmark values shown in Table 2 below, 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 and will maintain and protect the existing quality of the receiving waters. These benchmark values are not effluent limitations, and an exceedance of the benchmark value is not a violation. Benchmark monitoring is a feedback tool, along with routine inspections and visual assessments, for assessing the effectiveness of stormwater controls and Best Management Practices (BMPs). 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, which are also included in the Part C condition. Based on the discharge data included in the permit application, Hemminger Auto and Truck Inc. is expected to meet the No Exposure benchmark values.

Table 2. No Exposure benchmark values

Parameter	Benchmark Value (mg/L)
Oil & Grease	5.0
BOD5	10
COD	30
Total Nitrogen	2.0
TSS	30
Total Phosphorus	1.0
pH (S.U.)	6.0-9.0
Total Iron	7.0

Total Maximum Daily Loads

Stormwater discharges from Hemminger Auto and Truck Inc. are located within the Kiskiminetas-Conemaugh River Watersheds for which the Department has developed a Total Maximum Daily Load (TMDL). The TMDL was finalized on January 29, 2010 and establishes waste load allocations for the discharge of aluminum, iron and manganese within the Kiskiminetas-Conemaugh River Watersheds. Section 303(d) of the Clean Water Act and the U.S. Environmental Protection Agency’s Water Quality Planning and Management Regulations (codified at Title 40 of the *Code of Federal Regulations* Part 130) require states to develop a TMDL for impaired water bodies. A TMDL establishes the amount of a pollutant that a water body can assimilate without exceeding the water quality criteria for that pollutant. TMDLs provide the scientific basis for a state to establish water quality-based controls to reduce pollution from both point and non-point sources in order to restore and maintain the quality of the state’s water resources (USEPA 1991a). Stream reaches within the Kiskiminetas-Conemaugh River Watersheds are included in the state’s 2008 Section 303(d) list because of various impairments including metals, pH and sediment. The TMDL includes consideration for each river and tributary within the target watershed and its impairment sources. Stream data is then used to calculate minimum pollutant reductions that are necessary to attain water quality criteria levels. Target concentrations published in the TMDL were based on established water quality criteria of 0.750 mg/L total recoverable aluminum, 1.5 mg/L total recoverable iron based on a 30-day average and 1.0 mg/L total recoverable manganese. The reduction needed to meet the minimum water quality standards is then divided between each known point and non-point pollutant source in the form of wasteload allocations (WLAs) and load allocations (Las) respectively. TMDLs prescribe allocations that minimally achieve water quality criteria (i.e., 100 percent use of a stream’s assimilative capacity).

Hemminger Auto and Truck Inc. currently operates under the PAG-03 General Permit and is not listed in Appendix G under “Non-Mining WLAs” or “Future Growth WLAs” of the Kiskiminetas-Conemaugh River Watersheds TMDL and therefore wasn’t provided any wasteload allocations. If it is determined that a site is discharging wastewater containing these parameters, the site must meet the instream criterion values for these parameters at the point of discharge. Aggregate WLAs are provided in Appendix G under “Negligible Discharge Gross WLAs”. Facilities identified in Appendix C under “Negligible Discharge Facilities” currently are without metals permits limits. EPA developed aggregate WLAs based on the sum of the available information regarding flow from each facility multiplied by the applicable numeric water quality criterion. If information on effluent flows was unavailable, effluent flow was determined on the basis of best professional judgement using flows from the permits of similar facilities. These facilities do not currently have permit limits for the pollutants of concern, and there may not be reasonable potential for the NPDES permitting authority to determine a numeric effluent limit in the permit is necessary. The decision to provide an aggregate WLA to these sources does not reflect any determination by EPA that an effluent limit is needed or required in an NPDES permit. The PAG-03 General Permit that Hemminger Auto and Truck Inc. currently operates under (PAR606146) is listed in Appendix C “Negligible Discharge Facilities” so monitoring of Total Manganese will not be required and a benchmark value will not be assigned to monitoring of Total Aluminum required in the Stormwater Technology Limits section above. A benchmark value for Total Iron was established in the Anti-Degradation section above.

Anti-Backsliding

Previous limits can be used pursuant to EPA’s anti-backsliding regulation, 40 CFR 122.44(l). Previous benchmarks imposed at Outfall 001 from the permittee’s PAG-03 General Permit issued in 2016 are displayed below in Table 3.

Table 3. PAG-03 Appendix O 2016 monitoring requirements

Parameter	Benchmark Values (mg/L)	Measurement Frequency	Sample Type
TSS	100	1/6 Months	Grab
Oil & Grease	30	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

Proposed Effluent Limitations and Monitoring Requirements

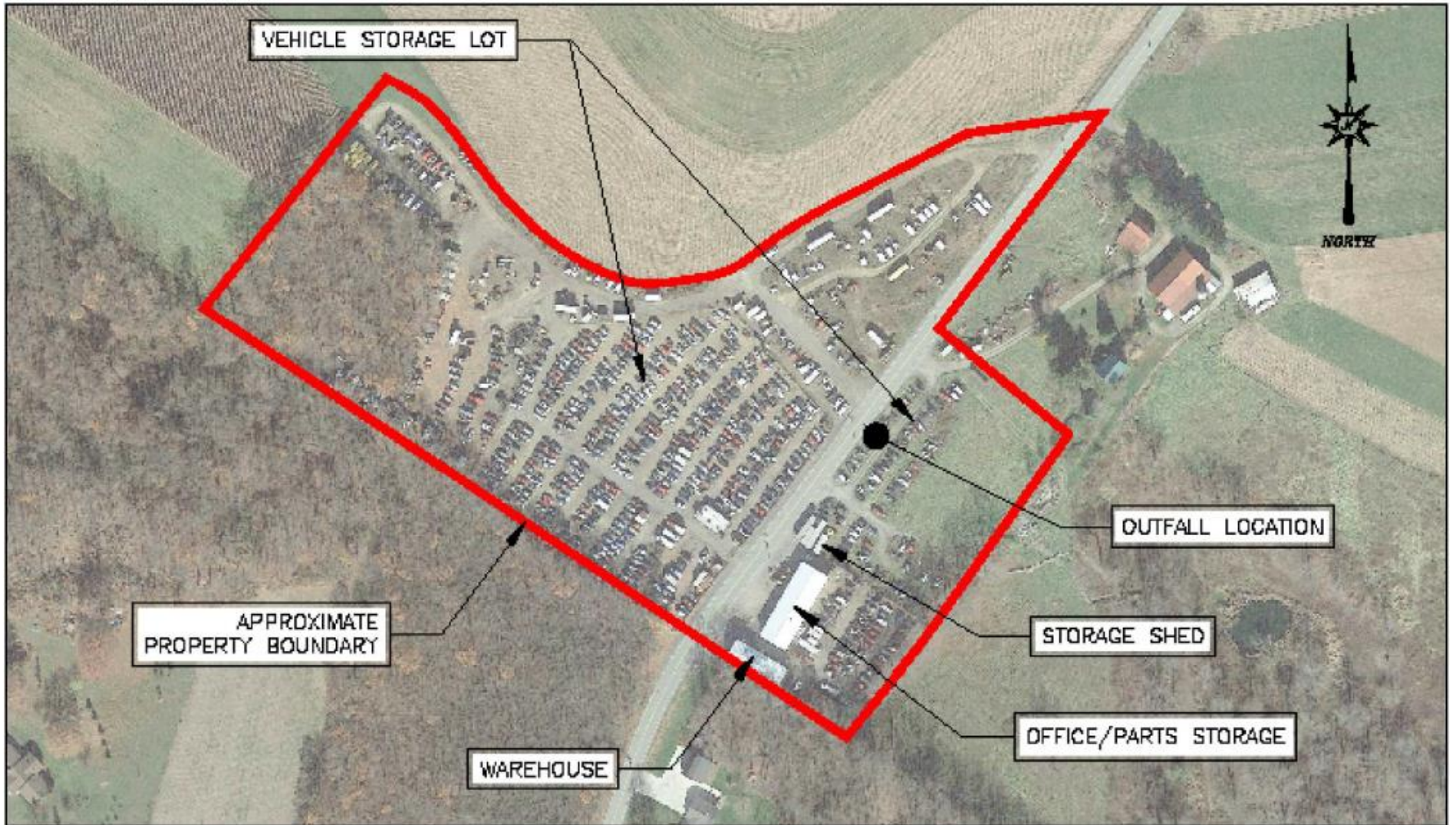
The proposed effluent monitoring requirements for Outfall 001 are displayed in Table 4 below. To ensure that the discharge is not degrading the High Quality waters, the No Exposure benchmark values will be used as the benchmark values in the permit. These values are not effluent limitations, an exceedance of the benchmark value is not a violation. 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, which are also included in the Part C condition. 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. If Hemminger Auto and Truck Inc. is unable to consistently achieve the non-degrading benchmark values, the Department may consider the imposition of effluent limitations in the future. Monitoring requirements for Total Aluminum and Total Lead consistent with PAG-03 Appendix O are also included, but they will only have to be monitored and reported as there is, at this time, no No Exposure conditions for Total Aluminum and Total Lead.

Table 4. Proposed Effluent Limitations

Parameter	Daily Maximum (mg/L)	Benchmark Value (mg/L)	Monitoring Frequency	Sample Type
Oil & Grease	Report	5.0	1/6 Months	Grab
BOD5	Report	10	1/6 Months	Grab
COD	Report	30	1/6 Months	Grab
Total Nitrogen	Report	2.0	1/6 Months	Grab
TSS	Report	30	1/6 Months	Grab
Total Phosphorus	Report	1.0	1/6 Months	Grab
pH (S.U.)	Report	9.0	1/6 Months	Grab
Total Iron	Report	7.0	1/6 Months	Grab
Total Aluminum	Report	XXX	1/6 Months	Grab
Total Lead	Report	XXX	1/6 Months	Grab

Tools and References Used to Develop Permit	
<input type="checkbox"/>	WQM for Windows Model (see Attachment [REDACTED])
<input type="checkbox"/>	Toxics Management Spreadsheet (see Attachment [REDACTED])
<input type="checkbox"/>	TRC Model Spreadsheet (see Attachment [REDACTED])
<input type="checkbox"/>	Temperature Model Spreadsheet (see Attachment [REDACTED])
<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, 362-0400-001, 10/97.
<input type="checkbox"/>	Policy for Permitting Surface Water Diversions, 362-2000-003, 3/98.
<input type="checkbox"/>	Policy for Conducting Technical Reviews of Minor NPDES Renewal Applications, 362-2000-008, 11/96.
<input type="checkbox"/>	Technology-Based Control Requirements for Water Treatment Plant Wastes, 362-2183-003, 10/97.
<input type="checkbox"/>	Technical Guidance for Development of NPDES Permit Requirements Steam Electric Industry, 362-2183-004, 12/97.
<input type="checkbox"/>	Pennsylvania CSO Policy, 385-2000-011, 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, 391-2000-002, 4/97.
<input type="checkbox"/>	Determining Water Quality-Based Effluent Limits, 391-2000-003, 12/97.
<input type="checkbox"/>	Implementation Guidance Design Conditions, 391-2000-006, 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, 391-2000-007, 6/2004.
<input type="checkbox"/>	Interim Method for the Sampling and Analysis of Osmotic Pressure on Streams, Brines, and Industrial Discharges, 391-2000-008, 10/1997.
<input type="checkbox"/>	Implementation Guidance for Section 95.6 Management of Point Source Phosphorus Discharges to Lakes, Ponds, and Impoundments, 391-2000-010, 3/99.
<input type="checkbox"/>	Technical Reference Guide (TRG) PENTOXSD for Windows, PA Single Discharge Wasteload Allocation Program for Toxics, Version 2.0, 391-2000-011, 5/2004.
<input type="checkbox"/>	Implementation Guidance for Section 93.7 Ammonia Criteria, 391-2000-013, 11/97.
<input type="checkbox"/>	Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers, 391-2000-014, 4/2008.
<input type="checkbox"/>	Implementation Guidance Total Residual Chlorine (TRC) Regulation, 391-2000-015, 11/1994.
<input type="checkbox"/>	Implementation Guidance for Temperature Criteria, 391-2000-017, 4/09.
<input type="checkbox"/>	Implementation Guidance for Section 95.9 Phosphorus Discharges to Free Flowing Streams, 391-2000-018, 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, 391-2000-019, 10/97.
<input type="checkbox"/>	Field Data Collection and Evaluation Protocol for Determining Stream and Point Source Discharge Design Hardness, 391-2000-021, 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, 391-2000-022, 3/1999.
<input type="checkbox"/>	Design Stream Flows, 391-2000-023, 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, 391-2000-024, 10/98.
<input type="checkbox"/>	Evaluations of Phosphorus Discharges to Lakes, Ponds and Impoundments, 391-3200-013, 6/97.
<input type="checkbox"/>	Pennsylvania's Chesapeake Bay Tributary Strategy Implementation Plan for NPDES Permitting, 4/07.
<input type="checkbox"/>	SOP: [REDACTED]
<input checked="" type="checkbox"/>	Other: USGS StreamStats Report (see Attachment B)

Attachment A



Attachment B

StreamStats Report

Region ID: PA
 Workspace ID: PA20230601175435599000
 Clicked Point (Latitude, Longitude): 40.10623, -79.04151
 Time: 2023-06-01 13:54:58 -0400



[+ Collapse All](#)

➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0473	square miles
ELEV	Mean Basin Elevation	2245	feet
PRECIP	Mean Annual Precipitation	41	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	0.0473	square miles	2.33	1720
ELEV	Mean Basin Elevation	2245	feet	898	2700
PRECIP	Mean Annual Precipitation	41	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	0.00528	ft ³ /s
30 Day 2 Year Low Flow	0.00793	ft ³ /s
7 Day 10 Year Low Flow	0.00166	ft ³ /s
30 Day 10 Year Low Flow	0.00248	ft ³ /s
90 Day 10 Year Low Flow	0.0039	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/>)

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Application Version: 4.15.0

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1