Pennsylvania Department of Environmental Protection

Southwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0218219**
Facility Type	**Storm Water**	APS ID	**1129956**
Major / Minor	**Minor**	Authorization ID	**1514282**

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

Applicant and Facility Information

Applicant Name	**Campbell Transportation Company, Inc**	Facility Name	**Georgetown Shipyard**
Applicant Address	4600 J. Barry Court Suite 400	Facility Address	River Road, River Mile 38-River Mile 39
	Canonsburg, PA 15317		Georgetown, PA 15043
Applicant Contact	Jon Shaw	Facility Contact	Jon Shaw
Applicant Phone	(412) 298-1299	Facility Phone	(412) 298-1299
Client ID	298970	Site ID	247319
SIC Code	3731	Municipality	Georgetown Borough
SIC Description	Ship Building and Repairing	County	Beaver
Date Application Received	December 24, 2024	EPA Waived?	Yes
Date Application Accepted	January 8, 2025	If No, Reason	

Purpose of Application: Renewal of Individual NPDES permit

Summary of Review

The Department received an NPDES industrial stormwater permit application for the Campbell Transportation Company, Inc., Georgetown Shipyard on December 24, 2024. The application stated that this was a “new” permit and included the new permit application fee, so the original authorization treated this as a new facility. During a phone call on 1/22/2025 between the reviewer and Jon Shaw, Manager of Shipyard Services & Company Security Officer, it was found out that the facility already held an Individual NPDES permit for discharge of industrial waste and stormwater, but the industrial waste outfall had been eliminated so they were under the impression that a “new” stormwater only NPDES permit was needed. The authorization was corrected to be a renewal of existing NPDES permit coverage and the new application fee was refunded. The prior permit was issued on 3/5/2020 with an effective date of 4/1/2020 and an expiration date of 3/31/2025.

Shown in Figure 1 and Figure 2, the approximately 5-acre Georgetown Shipyard provides mooring, maintenance, and repair for barges, towboats, and other vessels, including transfer of bilge, petroleum, and other materials from moored vessels as well as vessels being serviced. The application provided SIC code 4491—Marine Cargo Handling, but it was determined by the reviewer that SIC code 3731—Ship Building and Repairing was more descriptive of facility operations since it is not a transshipment dock. Vessels are moored on the north and south banks of the Ohio River, with all industrial operations conducted on the south bank which is comprised of a lower landing, middle landing, and upper landing. Floating dry docks and crane barges are moored with service barges at the upper landing. The middle landing consists primarily of employee parking. Operations at this facility primarily consist of engine, prop, shaft, and hull repair and transfer of fuel or bilge liquids to the bilge storage tank at the middle landing or a tank truck. Bilge liquids are evaporated in Building 2. Cutting, grinding, scaling with a pneumatic needle gun, wire brushing, welding, and painting are generally performed on the lower landing over aggregate surface, but are occasionally performed on the dry docks in a limited capacity. Housekeeping is performed on the dry docks to collect materials and debris when maintenance activities occur. Accumulated stormwater on the dry docks is pumped and evaporated with bilge liquids. Fresh structural steel for repairs, scrap steel, and aggregate are stored in

Approve	Deny	Signatures	Date
x		Jace William Marsh / Environmental Engineering Specialist	April 2, 2025
X		Michael E. Fifth, P.E. / Environmental Engineer Manager	April 11, 2025

Summary of Review

designated outdoor areas in the upper and lower landings. Waste oil from evaporated bilge liquids and maintenance is stored within Building 2. Fuel and new fluids are mostly stored indoors, but when outdoors are equipped with secondary containment. Regarding portable equipment: there is an outdoor mobile 275-gallon double-walled diesel tank stationed by the welding shed in the lower landing, an outdoor portable generator with an integral 400-gallon double-walled diesel tank stationed on the Bunker 1 Barge, and other portable equipment with tanks is stored within Buildings 1, 3, and 4

Explained in the Draft fact sheet for the prior permit, barge washwater was collected and treated in the Wash Barge and discharged from Outfall 001. The Wash Barge fell into disrepair during the prior permit term and started to sink, so was removed completely. Accordingly, barges are no longer washed at the facility and Outfall 001 ceased discharge; no discharge has been reported from Outfall 001 since April 2021. Outfall 001 has been marked as "inactive" in eFACTS and will not be considered a permitted outfall for this renewal. While the Georgetown Shipyard may have qualified for PAG-03 coverage since washwater is no longer discharged, Campbell Transportation Company, Inc wants to maintain Individual NPDES permit coverage in case it begins washing barges at the facility again. A NPDES permit amendment is required if a barge washing discharge is commenced during the renewed permit term.

Outfall 002 is the discharge of a riprap-lined channel that collects stormwater from the lower landing where most maintenance activities occur. Outfall 003 is a stormwater outfall discharging stormwater from the middle and upper landings. Both outfall discharge to the Ohio River which has a 25 PA Code Chapter 93 Warm Water Fishes designated use and is impaired for pathogens, dioxin, and polychlorinated biphenyls (PCBs) all from an unknown source (source: *2024 Integrated Report*).

The permittee currently has no open violations and last had a compliance evaluation inspection on 8/31/2021 by Amanda Illar with no violations noted. There have been no exceedances of stormwater pollutant benchmarks in at least the past two years.

Monitoring requirements and benchmarks in the Draft permit are based off the 2022 PAG-03 General Stormwater Permit Appendix L and prior permit limits. 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.

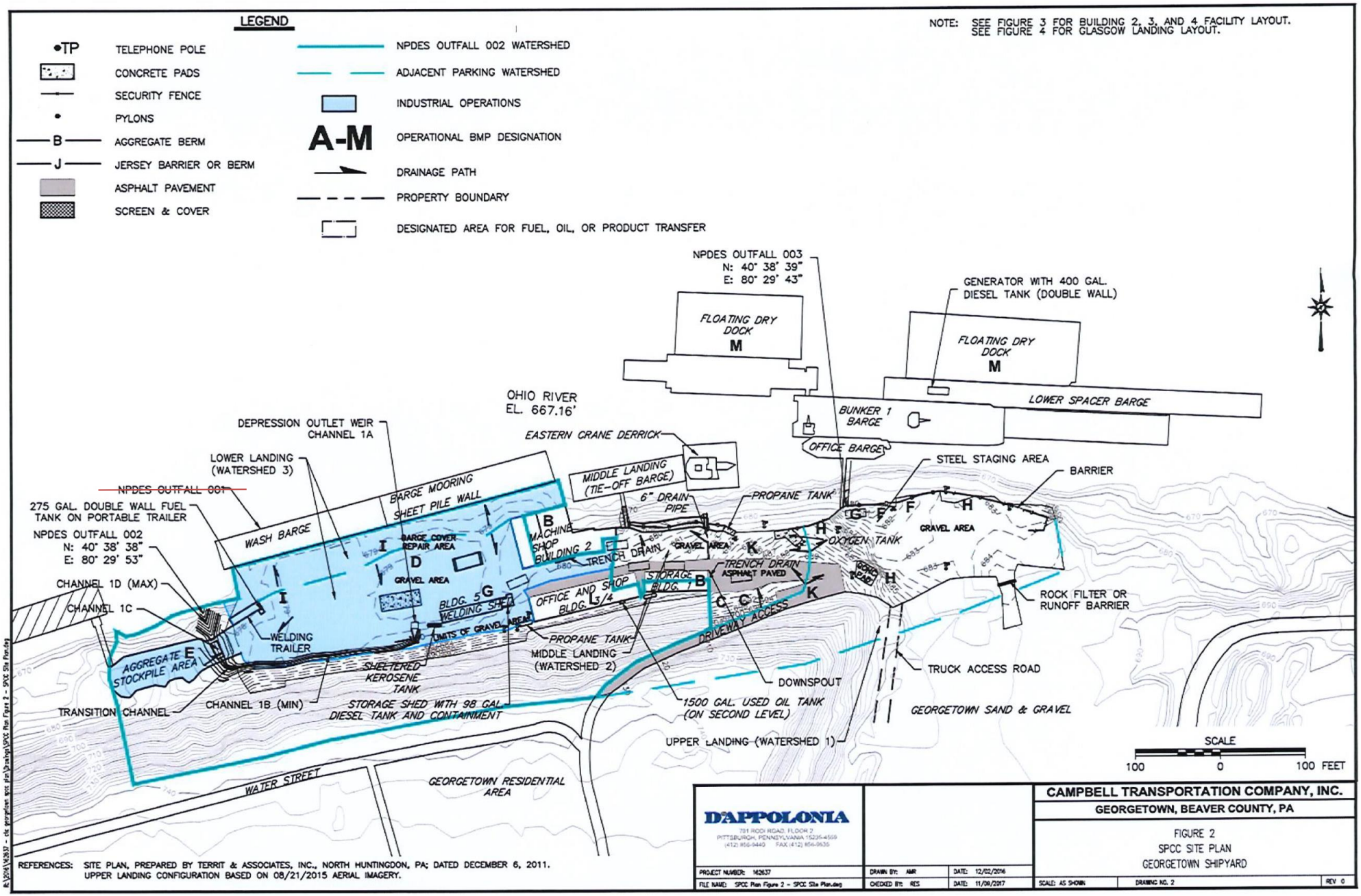

Figure 1. Layout of Georgetown Shipyard; Note that the wash barge no longer exists, and Outfall 001 has ceased discharging

Figure 2. Satellite imagery of Georgetown Shipyard

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002	Design Flow (MGD)	0
Latitude	40º 38' 37.65"	Longitude	-80º 29' 53.4"
Quad Name	Midland	Quad Code	1302
Wastewater Description:	Stormwater from lower landing		
Receiving Waters	Ohio River (WWF)	Stream Code	32317
NHD Com ID	99681348	RMI	942.5
Drainage Area	23000 mi^2	Yield (cfs/mi^2)	0.26
Q_{7-10} Flow (cfs)	5880	Q_{7-10} Basis	USACE Q_{7-10} Flows of Major Rivers
Elevation (ft)	666	Slope (ft/ft)	0.136 (mean basin slope)
Watershed No.	20-D	Chapter 93 Class.	WWF
Existing Use	n/a	Existing Use Qualifier	n/a
Exceptions to Use	n/a	Exceptions to Criteria	n/a
Assessment Status	Impaired		
Cause(s) of Impairment	Dioxin, Pathogens, Polychlorinated Biphenyls (PCBs)		
Source(s) of Impairment	Source Unknown, Source Unknown, Source Unknown		
TMDL Status	Final	Name	Ohio River
Nearest Downstream Public Water Supply Intake	East Liverpool, Ohio		
PWS Waters	Ohio River	Flow at Intake (cfs)	5880
PWS RMI	940.8	Distance from Outfall (mi)	1.5

Changes Since Last Permit Issuance: no significant changes

Other Comments:

Discharge, Receiving Waters and Water Supply Information

Outfall No.	003	Design Flow (MGD)	0
Latitude	40º 38' 39.57"	Longitude	-80º 29' 43.5"
Quad Name	Midland	Quad Code	1302
Wastewater Description:	Stormwater from middle and upper landing		
Receiving Waters	Ohio River (WWF)	Stream Code	32317
NHD Com ID	99681348	RMI	942.7
Drainage Area	23000 mi^2	Yield (cfs/mi^2)	0.26
Q_{7-10} Flow (cfs)	5880	Q_{7-10} Basis	USACE Q_{7-10} Flows of Major Rivers
Elevation (ft)	666	Slope (ft/ft)	0.136 (mean basin slope)
Watershed No.	20-D	Chapter 93 Class.	WWF
Existing Use	n/a	Existing Use Qualifier	n/a
Exceptions to Use	n/a	Exceptions to Criteria	n/a
Assessment Status	Impaired		
Cause(s) of Impairment	Dioxin, Pathogens, Polychlorinated Biphenyls (PCBs)		
Source(s) of Impairment	Source Unknown, Source Unknown, Source Unknown		
TMDL Status	Final	Name	Ohio River
Nearest Downstream Public Water Supply Intake	East Liverpool, Ohio		
PWS Waters	Ohio River	Flow at Intake (cfs)	5880
PWS RMI	940.8	Distance from Outfall (mi)	1.5

Changes Since Last Permit Issuance: no significant changes

Other Comments:

Development of Effluent Limitations

Outfall No. 002 **Design Flow (MGD)** 0
Latitude 40º 38' 37.65" **Longitude** -80º 29' 53.4"
Wastewater Description: Stormwater from lower landing

Outfall No. 003 **Design Flow (MGD)** 0
Latitude 40º 38' 39.57" **Longitude** -80º 29' 43.5"
Wastewater Description: Stormwater from middle and upper landing

Since Outfall 002 and Outfall 003 discharge stormwater only with no differences between the associated industrial operations significant enough to warrant separate analyses, effluent limitations for both outfalls are derived together in this section. Below is a summary of the past two years of eDMR data compared to current benchmarks for reference:

Table 1. Past two years of eDMR data

Outfall	Parameter	Average Concentration (mg/L)	Maximum Concentration (mg/L)	# of Storm Events Sampled	Benchmark Values (mg/L)
002	pH (S.U.)	7.8	7.9	2	—
	Total Suspended Solids (TSS)	<12	19.5	2	100.0
	Oil & Grease	<5.1	<5.2	2	30.0
	Total Iron	0.297	0.331	2	1.0
003	pH (S.U.)	7.75	7.8	2	—
	Total Suspended Solids (TSS)	<12	19.0	2	100.0
	Oil & Grease	<5.4	<5.6	2	30.0
	Total Iron	0.289	0.329	2	1.0

Technology-Based Limitations

The outfalls are subject to 2022 PAG-03 General Stormwater permit conditions as a minimum requirement because the outfalls discharge stormwater associated with industrial activity. The SIC code for the facility is 3731—Ship Building and Repairing which has no corresponding PAG-03 appendix. Appendix J—Other Facilities was applied in the previous permit, but since industrial operations at the facility—steel cutting, grinding, and welding along with painting and fueling etc.—most closely resemble operation of a common railroad yard, Appendix L—Land Transportation and Petroleum Stations and Terminals is applied. The reporting requirements applicable to stormwater discharges under this appendix are shown in Table 1 below. Relevant Appendix L best management practices are included in Part C of the Draft Permit.

Table 2. 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	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 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-Backsliding

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

Table 3. Limits from previous permit for Outfall 002 and Outfall 003

Parameter	Instantaneous Maximum (mg/L)	Benchmark Values (mg/L)	Measurement Frequency	Sample Type
pH (S.U.)	Report	—	1/6 Months	Grab
Total Suspended Solids (TSS)	Report	100.0	1/6 Months	Grab
Oil & Grease	Report	30.0	1/6 Months	Grab
Total Iron	Report	1.0	1/6 Months	Grab

Proposed Effluent Limitations and Monitoring Requirements

Effluent limits imposed at Outfall 002 and Outfall 003 are the more stringent of TBELs, WQBELs, regulatory effluent standards, and monitoring requirements as summarized in Table 5. A Part C condition of the Draft permit is included that requires a Corrective Action Plan (CAP) to be submitted if two or more consecutive exceedances of the benchmarks occur. The CAP must be submitted within 90 days of the end of the monitoring period triggering the need for the plan and the permittee 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.

Table 4. Proposed stormwater effluent limitations for Outfall 002 and Outfall 003

Parameter	Daily Maximum (mg/L)	Benchmark Value (mg/L)	Monitoring Frequency	Sample Type
Total Nitrogen	Report	—	1/6 Months	Grab
Total Phosphorus	Report	—	1/6 Months	Grab
pH (S.U.)	Report	—	1/6 Months	Grab
Total Suspended Solids (TSS)	Report	100.0	1/6 Months	Grab
Oil & Grease	Report	30.0	1/6 Months	Grab
Total Iron	Report	1.0	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)

Attachment A:
USGS StreamStats

PA0218219 StreamStats Report

Region ID: PA
Workspace ID: PA20250402194226701000
Clicked Point (Latitude, Longitude): 40.64541, -80.49683
Time: 2025-04-02 15:43:09 -0400

Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
BSLOPD	Mean basin slope measured in degrees	7.7256	degrees
DRNAREA	Area that drains to a point on a stream	23000	square miles
ELEV	Mean Basin Elevation	1589	feet
PRECIP	Mean Annual Precipitation	44	inches

Low-Flow Statistics

Low-Flow Statistics Parameters [49.0 Percent (11200 square miles) Low Flow Region 3]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	23000	square miles	2.33	1720
ELEV	Mean Basin Elevation	1589	feet	898	2700
PRECIP	Mean Annual Precipitation	44	inches	38.7	47.9

Low-Flow Statistics Parameters [51.0 Percent (11800 square miles) Low Flow Region 4]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	23000	square miles	2.26	1400
ELEV	Mean Basin Elevation	1589	feet	1050	2580

Low-Flow Statistics Disclaimers [49.0 Percent (11200 square miles) 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 [49.0 Percent (11200 square miles) Low Flow Region 3]

Statistic	Value	Unit
7 Day 2 Year Low Flow	3040	ft^3/s
30 Day 2 Year Low Flow	3810	ft^3/s
7 Day 10 Year Low Flow	2110	ft^3/s
30 Day 10 Year Low Flow	2480	ft^3/s
90 Day 10 Year Low Flow	3310	ft^3/s

Low-Flow Statistics Disclaimers [51.0 Percent (11800 square miles) 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 [51.0 Percent (11800 square miles) Low Flow Region 4]

Statistic	Value	Unit
7 Day 2 Year Low Flow	3310	ft^3/s
30 Day 2 Year Low Flow	4060	ft^3/s
7 Day 10 Year Low Flow	2310	ft^3/s
30 Day 10 Year Low Flow	2380	ft^3/s
90 Day 10 Year Low Flow	3180	ft^3/s

Low-Flow Statistics Flow Report [Area-Averaged]

Statistic	Value	Unit
7 Day 2 Year Low Flow	3180	ft^3/s
30 Day 2 Year Low Flow	3940	ft^3/s
7 Day 10 Year Low Flow	2210	ft^3/s
30 Day 10 Year Low Flow	2430	ft^3/s
90 Day 10 Year Low Flow	3240	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/)