Pennsylvania Department of Environmental Protection

Southwest Regional Office
CLEAN WATER PROGRAM

Application Type	**New**	Application No.	**PA0285421**
Facility Type	**Storm Water**	APS ID	**1139142**
Major / Minor	**Minor**	Authorization ID	**1530286**

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

Applicant and Facility Information

Applicant Name	**RC Concrete**	Facility Name	**RC Concrete**
Applicant Address	270 Smith Township State Road	Facility Address	270 Smith Township State Road
	Burgettstown, PA 15021-2123		Burgettstown, PA 15021-2123
Applicant Contact	Rich Creps	Facility Contact	Rich Creps
Applicant Phone	(724) 747-1141	Facility Phone	(724) 747-1141
Client ID	384517	Site ID	871264
SIC Code	3273; 4959	Municipality	Smith Township
SIC Description	Ready-Mixed Concrete; Sanitary Services, Not Elsewhere Classified	County	Washington
Date Application Received	June 6, 2025	EPA Waived?	Yes
Date Application Accepted	June 11, 2025	If No, Reason	

Purpose of Application: New NPDES permit for discharge of industrial stormwater from existing facility

Summary of Review

The Department received an individual NPDES industrial stormwater permit application for RC Concrete on 6/6/2025. The facility has not previously held a NPDES permit. In the past, submission of a PAG-03 NOI was required by 12/20/2022 per an inspection report by Anthony Ascollilo on 11/9/2022. A follow-up inspection on 11/9/2023 noted three violations, one for failure to submit a PAG-03 NOI. RC Concrete submitted a PAG-03 NOI on 3/11/2024, but coverage was denied due to lack of evidence of an adequately sized and impermeable retention structure in the concrete washout area and a stormwater sample pH of 10.5 which exceeded the PAG-03 Appendix N benchmark value of 9.0. Application for Individual NPDES permit coverage was required following this denial. For further detail about PAG-03 denial, see files under Authorization ID # 1476682 NPDES Permit # PAG036577.

RC Concrete operates a small concrete plant, roll-off container rental service, septage hauling service, and portable toilet (porta-john) rental service under primary SIC code 3273—Ready-Mix Concrete Manufacturing and secondary SIC Code 4959—Sanitary Services, Not Elsewhere Classified. Only three people are employed at the facility by the owner. Shown in Figure 1 and Figure 2, the facility is located on a 34.9-acre parcel and consists of a maintenance garage in the northwest corner, two adjacent equipment laydown yards on the eastern side, a concrete plant with associated aggregate bins and washout pit on the western side, and metal scrap stored in roll-off bins on the southern side. The remainder of the parcel contains two unrelated commercial buildings along Smith Township State Road and forested area adjacent to PA state game lands. Historically, intensive strip mining for coal has taken place in the immediate vicinity of the facility. The maintenance garage contains two bays: one is used as a washout station for porta-johns and associated waste hauling trucks and the other is used for vehicle maintenance. Both bays have drains connected to the local sanitary sewer. Tank trucks, porta-john hauling trucks, and porta-johns are parked outside the maintenance garage. Septage and porta-john waste is disposed of at an off-site sewage facility. Aggregate bins have been improved with berming to prevent stormwater egress. Shown in Figure 3, construction of a concrete truck washout pit was completed during the summer of 2025 to satisfy the requirement for an

Approve	Deny	Signatures	Date
X		Jace William Marsh / Environmental Engineering Specialist	December 9, 2025
X		Michael E. Fifth, P.E. / Environmental Engineer Manager	December 10, 2025

Summary of Review

adequately sized and impermeable retention structure to contain truck barrel wash water. The scrap storage area is permeable ground cover surrounded by a berm on the downgradient side so stormwater can infiltrate. Scrap is not processed on-site—it is held until sale to a scrap yard.

Outfall 001 discharges stormwater runoff from the access road to and portions of the laydown yards and offsite runoff from forested game lands. A small flow of acid mine drainage infiltrates the catch basins connected to this outfall. Outfall 001 is sampled at the final catch basin prior to discharge. Outfall 002 discharges stormwater from a single catch basin that collects stormwater runoff from around the concrete plant and concrete truck washout pit area. To note, there is also an active chicken coop in the drainage area. Outfall 002 is sampled at the catch basin. Outfall 003 is concentrated sheet flow from the materials storage yard for the concrete plant. Outfall 003 was not listed on the application; the sample point was added when sample data was provided to the reviewer on 9/11/2025. All sample data is displayed for reference in the Development of Effluent Limitations sections of this Draft fact sheet. All outfalls discharge to Tributary 33847 to Burgetts Fork which has a 25 PA Code Chapter 93 Warm Water Fishes designated use and is impaired from acid mine drainage metals (source: *2024 Integrated Report*).

RC Concrete currently has no open violations and last had an inspection on 1/14/2025 conducted by Anthony Ascolillo with Amanda Illar and the reviewer present. One violation was noted: *25 Pa. Code 92A.1(B): Discharge of pollutants from a point source into surface waters of the Commonwealth.* This violation has since been closed.

Reporting requirements and benchmarks in the Draft permit are based on the 2022 PAG-03 General Stormwater Permit Appendix N and Appendix J. Best management practices from Appendix N—Glass, Clay, Cement, Concrete and Gypsum Products and Appendix P—Scrap and Waste Recycling Facilities are also imposed. **No discharge from the washout pit is permitted by this permit. Accumulated solids shall be removed and disposed of in accordance with applicable laws and regulations, as necessary. The permittee shall reuse collected washwater where determined to be feasible. Modification of the washout pit may be required in the future if these conditions cannot be achieved by the current design.** These conditions are reflected in Part A, Footnote 1 and Part C.VI.C of the Draft permit. **If RC Concrete can demonstrate consistent achievement of benchmarks and implementation of required best management practices during the entire coverage period of this NPDES Individual Stormwater Permit, it may request coverage under the PAG-03 General Stormwater Permit when permit renewal is due.** 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. Satellite imagery of RC Concrete with approximate boundary of industrial operation shown in red

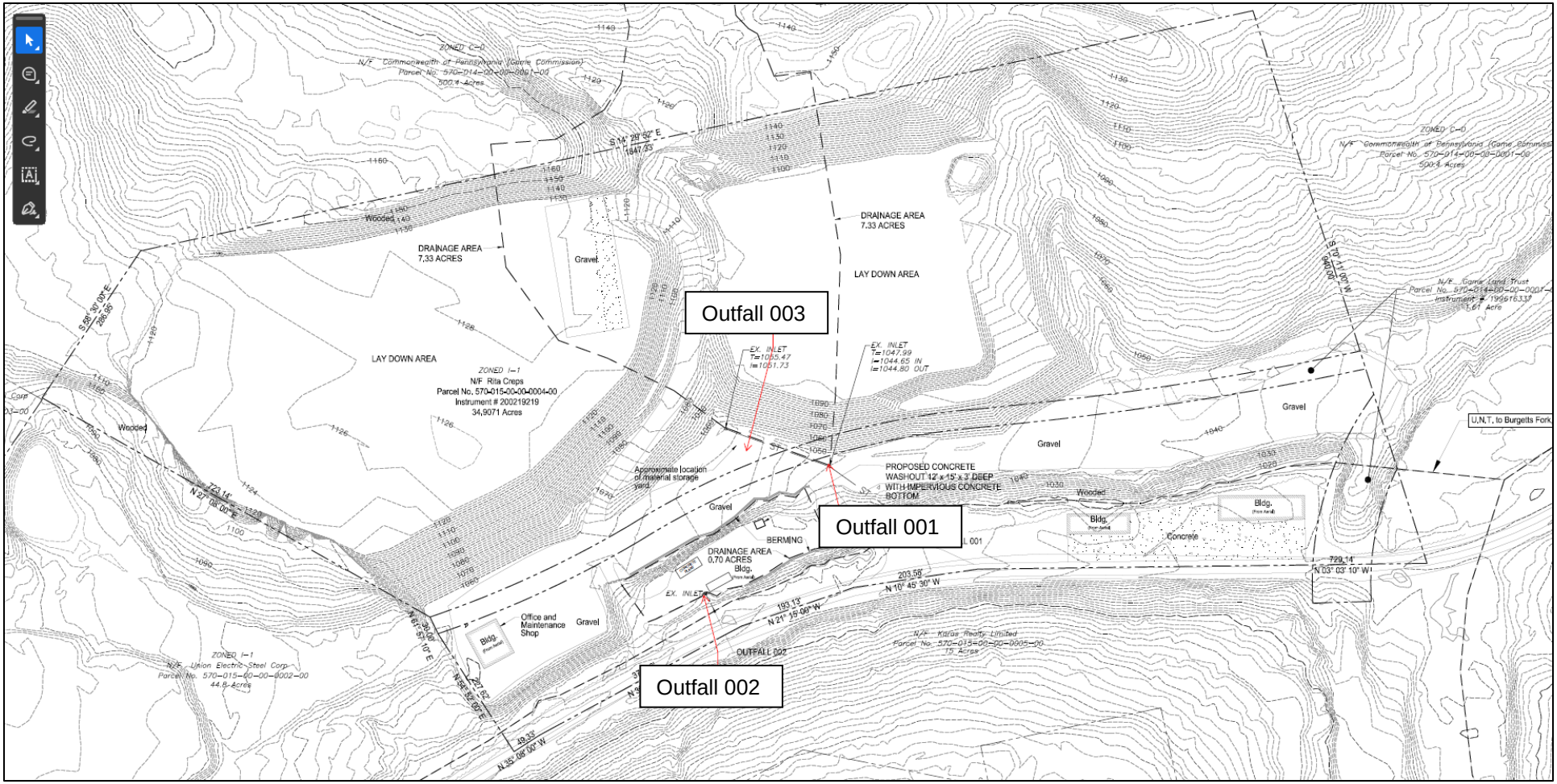


Figure 2. Site layout of RC Concrete

Figure 3. Newly constructed concrete truck barrel washout pit

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0
Latitude	40º 24' 7.71"	Longitude	-80º 24' 10.55"
Quad Name	Burgettstown	Quad Code	1502
Wastewater Description:	Stormwater from laydown yards, laydown yard access road, and offsite state game lands along with minor acid mine drainage infiltration		
Receiving Waters	Tributary 33847 of Burgetts Fork (WWF)	Stream Code	33847
NHD Com ID	99689388	RMI	1.45
Drainage Area	0.94 mi^2	Yield (cfs/mi^2)	0.0079
Q_{7-10} Flow (cfs)	0.00746	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	1032	Slope (ft/ft)	0.08 (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	Metals		
Source(s) of Impairment	Acid Mine Drainage		
TMDL Status	Final	Name	Raccoon Creek Watershed
Nearest Downstream Public Water Supply Intake	Midland Borough Municipal Authority		
PWS Waters	Ohio River	Flow at Intake (cfs)	5880
PWS RMI	4.8 (from PA state line)	Distance from Outfall (mi)	~45 miles

Changes Since Last Permit Issuance: n/a

Other Comments: none

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002	Design Flow (MGD)	0
Latitude	40º 24' 11.28"	Longitude	-80º 24' 12.57"
Quad Name	Burgettstown	Quad Code	1502
Wastewater Description:	Stormwater from concrete plant and concrete truck washout pit area		
Receiving Waters	Tributary 33847 of Burgetts Fork (WWF)	Stream Code	33847
NHD Com ID	99689388	RMI	1.45
Drainage Area	0.94 mi^2	Yield (cfs/mi^2)	0.0079
Q_{7-10} Flow (cfs)	0.00746	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	1032	Slope (ft/ft)	0.08 (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	Metals		
Source(s) of Impairment	Acid Mine Drainage		
TMDL Status	Final	Name	Raccoon Creek Watershed
Nearest Downstream Public Water Supply Intake	Midland Borough Municipal Authority		
PWS Waters	Ohio River	Flow at Intake (cfs)	5880
PWS RMI	4.8 (from PA state line)	Distance from Outfall (mi)	~45 miles

Changes Since Last Permit Issuance: n/a

Other Comments: none

Discharge, Receiving Waters and Water Supply Information

Outfall No.	003	Design Flow (MGD)	0
Latitude	40º 24' 11.79"	Longitude	-80º 24' 10.73"
Quad Name	Burgettstown	Quad Code	1502
Wastewater Description:	Stormwater from concrete plant material storage yard		
Receiving Waters	Tributary 33847 of Burgetts Fork (WWF)	Stream Code	33847
NHD Com ID	99689388	RMI	1.45
Drainage Area	0.94 mi^2	Yield (cfs/mi^2)	0.0079
Q_{7-10} Flow (cfs)	0.00746	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	1032	Slope (ft/ft)	0.08 (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	Metals		
Source(s) of Impairment	Acid Mine Drainage		
TMDL Status	Final	Name	Raccoon Creek Watershed
Nearest Downstream Public Water Supply Intake	Midland Borough Municipal Authority		
PWS Waters	Ohio River	Flow at Intake (cfs)	5880
PWS RMI	4.8 (from PA state line)	Distance from Outfall (mi)	~45 miles

Changes Since Last Permit Issuance: n/a

Other Comments: none

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** 0
Latitude 40º 24' 7.71" **Longitude** -80º 24' 10.55"
Wastewater Description: Stormwater from laydown yards, laydown yard access road, and offsite state game lands along with minor acid mine drainage infiltration

To reference for development of effluent limitations, sample data submitted for Outfall 001 is shown in Table 1.

Table 1. Stormwater sample data submitted for Outfall 001

Parameter	Concentration (mg/L)	# of Samples	Sample Type
5-Day Biochemical Oxygen Demand	3.8	1	Grab
Chemical Oxygen Demand	10.0	1	Grab
Oil & Grease	<2.51	1	Grab
pH (S.U.)	7.75	1	Grab
Total Phosphorus	0.08	1	Grab
Total Nitrogen	1.89	1	Calculation
Total Suspended Solids	24	1	Grab
Total Aluminum	0.23	1	Grab
Total Iron	0.26	1	Grab
Total Manganese	0.08	1	Grab

Technology-Based Limitations

PAG-03 General Stormwater Permit

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. Considering that the laydown yard stores various equipment related to all the industrial activities conducted at this facility—a small concrete plant, roll-off container rental service, septage hauling service, and portable toilet (porta-john) rental service—of which only the concrete plant has an SIC code mentioned in the PAG-03 General Stormwater permit, Appendix J—Additional Facilities monitoring requirements are applied to the Outfall 001 drainage area. The reporting requirements applicable to stormwater discharges under this appendix are shown in Table 2 below.

Table 2. 2022 PAG-03 Appendix J 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
Oil & Grease	30	1/6 Months	Grab
Chemical Oxygen Demand	120	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). This facility has not had permit coverage previously, so no previous limits exist.

Proposed Effluent Limitations and Monitoring Requirements

Monitoring requirements imposed at Outfall 001 are the more stringent of TBELs, WQBELs, regulatory effluent standards, and monitoring requirements as summarized in Table 3. The 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 are two consecutive exceedances of a benchmark value.

Table 3. Proposed stormwater effluent limitations

Parameter	Benchmark Value (mg/L)	Monitoring 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
Oil & Grease	30	1/6 Months	Grab
Chemical Oxygen Demand	120	1/6 Months	Grab

Development of Effluent Limitations

Outfall No. 002 **Design Flow (MGD)** 0
Latitude 40º 24' 11.28" **Longitude** -80º 24' 12.57"
Wastewater Description: Stormwater from concrete plant and concrete truck washout pit area

Outfall No. 003 **Design Flow (MGD)** 0
Latitude 40º 24' 11.79" **Longitude** -80º 24' 10.73"
Wastewater Description: Stormwater from concrete plant material storage yard

Since Outfall 002 and Outfall 003 discharge stormwater only from a concrete plant operation 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. To reference for development of effluent limitations, sample data submitted for Outfall 002 and Outfall 003 are shown in Table 4.

Table 4. Stormwater sample data submitted for Outfall 002 and Outfall 003

Outfall	Parameter	Concentration (mg/L)	# of Samples	Sample Type
002	5-Day Biochemical Oxygen Demand	5.3	1	Grab
	Chemical Oxygen Demand	21.0	1	Grab
	Oil & Grease	<2.51	1	Grab
	pH (S.U.)	7.71	1	Grab
	Total Phosphorus	0.12	1	Grab
	Total Nitrogen	2.6	1	Calculation
	Total Suspended Solids	28	1	Grab
	Total Aluminum	0.75	1	Grab
	Total Iron	0.90	1	Grab
	Total Manganese	0.10	1	Grab
003	5-Day Biochemical Oxygen Demand	<3.0	1	Grab
	Chemical Oxygen Demand	9.5	1	Grab
	Oil & Grease	<2.51	1	Grab
	pH (S.U.)	7.86	1	Grab
	Total Phosphorus	0.08	1	Grab
	Total Nitrogen	1.82	1	Calculation
	Total Suspended Solids	26	1	Grab
	Total Aluminum	0.50	1	Grab
	Total Iron	0.42	1	Grab
	Total Manganese	0.05	1	Grab

Technology-Based Limitations

Outfall 002 and Outfall 003 are subject to 2022 PAG-03 General Stormwater permit conditions as a minimum requirement because the outfalls discharge stormwater associated with industrial activity. The primary SIC code for the facility is 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 5 below. PAG-03 Appendix N best management practices are included in Part C of the Draft Permit.

Table 5. 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-Backsliding

Previous limits can be used pursuant to EPA's anti-backsliding regulation, 40 CFR 122.44(l). This facility has not had permit coverage previously, so no previous limits exist.

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 6. The 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 are two consecutive exceedances of a benchmark value.

Table 6. Proposed stormwater effluent limitations

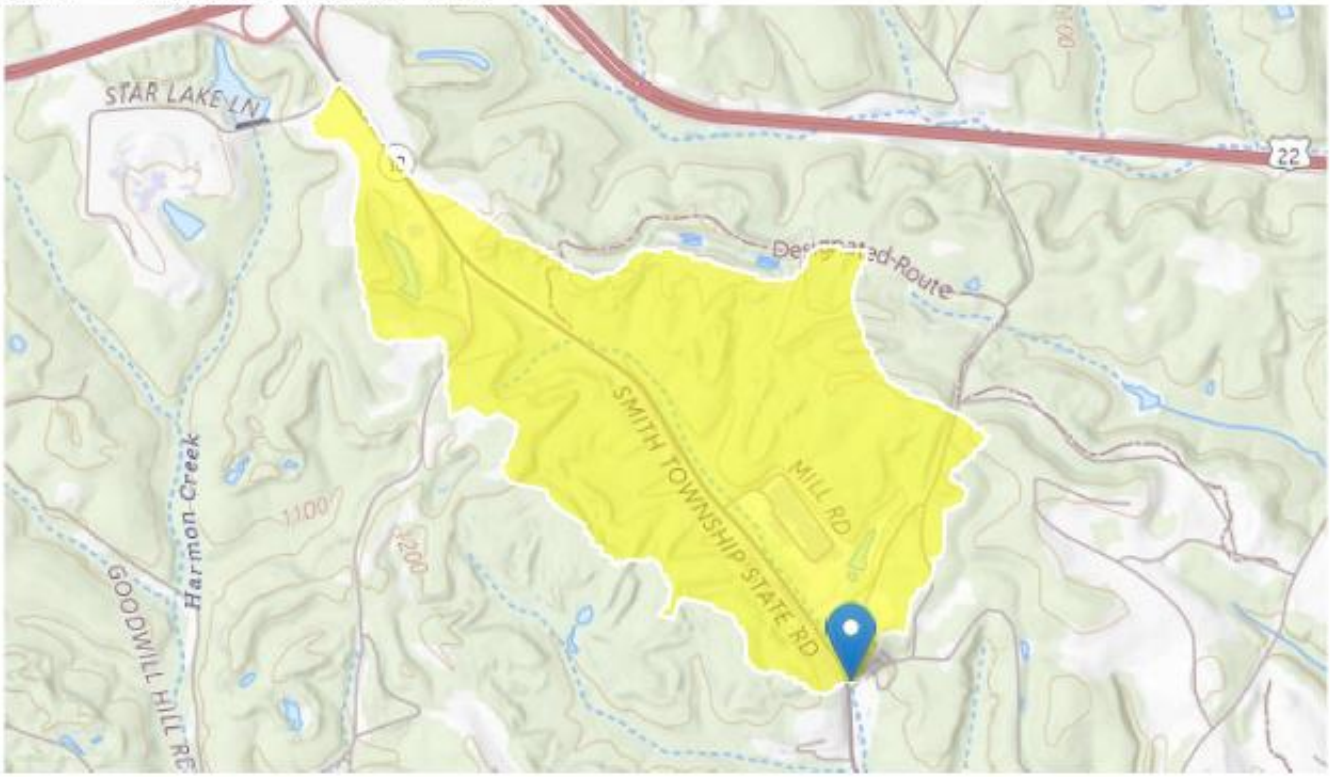
Parameter	Benchmark Value (mg/L)	Monitoring Frequency	Sample Type
Total Nitrogen	XXX	1/6 Months	Grab
Total Phosphorus	XXX	1/6 Months	Grab
pH (S.U.)	9.0	1/6 Months	Grab
Total Suspended Solids	100	1/6 Months	Grab
Total Aluminum	XXX	1/6 Months	Grab
Total Iron	XXX	1/6 Months	Grab

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, BCW-PMT-032
☒	Other: USGS StreamStats (see attachment A), 2024 Integrated Report, 2022 PAG-03

Attachment A:
USGS StreamStats

PA0285421 RC Concrete StreamStats Report

Region ID: PA
Workspace ID: PA20250924190105984000
Clicked Point (Latitude, Longitude): 40.40256, -80.40334
Time: 2025-09-24 15:01:30 -0400



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
BSLOPD	Mean basin slope measured in degrees	4.773	degrees
DRNAREA	Area that drains to a point on a stream	0.94	square miles
ELEV	Mean Basin Elevation	1158	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	0.94	square miles	2.26	1400
ELEV	Mean Basin Elevation	1158	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	0.0254	ft^3/s
30 Day 2 Year Low Flow	0.049	ft^3/s
7 Day 10 Year Low Flow	0.00746	ft^3/s
30 Day 10 Year Low Flow	0.016	ft^3/s
90 Day 10 Year Low Flow	0.0326	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/)