Pennsylvania Department of Environmental Protection

Southcentral Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0083917**
Facility Type	**Industrial**	APS ID	**955068**
Major / Minor	**Minor**	Authorization ID	**1495547**

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

Applicant and Facility Information

Applicant Name	**Edge Rubber Recycling LLC**	Facility Name	**Edge Rubber**
Applicant Address	811 Progress Road	Facility Address	811 Progress Road
	Chambersburg, PA 17201-3257		Chambersburg, PA 17201
Applicant Contact	Jan Strock	Facility Contact	Jan Strock
Applicant Phone	(717) 267-0599	Facility Phone	(717) 267-0599
Client ID	339504	Site ID	246221
SIC Code	2296,3011,3052	Municipality	Chambersburg Borough
SIC Description	Manufacturing - Rubber And Plastics Hose And Belting,Manufacturing - Tire Cord And Fabrics,Manufacturing - Tires And Inner Tubes	County	Franklin
Date Application Received	August 14, 2024	EPA Waived?	Yes
Date Application Accepted	September 4, 2024	If No, Reason	
Purpose of Application	NPDES Renewal.		

Summary of Review

Edge Rubber Recycling LLC (Edge Rubber) has applied to the Pennsylvania Department of Environmental Protection (DEP) for reissuance of its NPDES permit. The permit was last reissued on April 29, 2019 and became effective on May 1, 2019. The permit expired on April 30, 2024.

Based on the review, it is recommended that the permit be drafted.

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.

Approve	Deny	Signatures	Date
X		*Jinsu Kim* Jinsu Kim / Environmental Engineering Specialist	April 1, 2025
x		*Maria D. Bebenek* for Daniel W. Martin, P.E. / Environmental Engineer Manager	May 15, 2025
x		*Maria D. Bebenek* Maria D. Bebenek, P.E. / Program Manager	May 15, 2025

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.06
Latitude	39º 55' 40"	Longitude	-77º 40' 00"
Quad Name	Chambersburg	Quad Code	1924
Wastewater Description:	Noncontact Cooling Water (NCCW) & Stormwater		

Receiving Waters	UNT of Conococheague Creek	Stream Code	60178
NHD Com ID	49485396	RMI	0.19
Drainage Area	0.6	Yield (cfs/mi^2)	0.111
Q_{7-10} Flow (cfs)	1.49	Q_{7-10} Basis	USGS gage no. 01614500
Elevation (ft)		Slope (ft/ft)	
Watershed No.	13-C	Chapter 93 Class.	WWF
Existing Use	None	Existing Use Qualifier	None
Exceptions to Use	None	Exceptions to Criteria	None
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	

Nearest Downstream Public Water Supply Intake	Hagerstown, MD		
PWS Waters	Potomac River	Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Drainage Area
The discharge is to Unnamed Tributary 60178 of Conococheague Creek at RMI 0.19. A drainage area upstream of the point of discharge is estimated to be 0.6 sq.mi according to USGS StreamStats available at https://streamstats.usgs.gov/ss/.

Streamflow
USGS StreamStats produced a Q7-10 flow of 1.49 cfs at the point of discharge. However, the estimated drainage area is lower than the minimum required value to be used in regression equations to accurately calculate the Q7-10. As shown below, streamflows have then been calculated using the flow data obtained from the nearby USGS gage station no. 01614500, located on Conococheague Creek at Fairview, MD.

$$\text{Low Flow Yield} = Q7\text{-}10_{gage} / \text{Drainage Area}_{gage} = 55 \text{ cfs} / 494 \text{ sq.mi} = 0.111 \text{ cfs / sq.mi.}$$
$$Q7\text{-}10_{site} = \text{Low Flow Yield} * \text{Drainage Area}_{site} = 0.111 \text{ cfs/sq.mi} * 0.6 \text{ sq.mi} = 0.0666 \text{ cfs}$$
$$Q1\text{-}10/Q7\text{-}10 = 48.1 \text{ cfs} / 55 \text{ cfs} = 0.87:1$$
$$Q30\text{-}10/Q7\text{-}10 = 65.3 \text{ cfs} / 55 \text{ cfs} = 1.19:1$$

Unnamed Tributary 60178 of Conococheague Creek
Under Pa Code §93.9z, all unnamed tributaries of Conococheague Creek from LR28017 to PA-MD State Border are designated as warm water and migratory fishes. The main stem, Conococheague Creek is also designated as warm water and migratory fishes in this section of the stream. No special protection water is therefore impacted by this discharge. No Class A Wild Trout Fishery is impacted by this discharge. DEP's 2024 integrated water quality report indicates that the discharge is located in a stream segment listed as attaining use(s).

Public Water Supply Intake
The fact sheet prepared during the last permit renewal indicates that the nearest downstream public water supply intake is at Hagerstown, MD on Potomac River. Given its distance and nature, the discharge is not expected to impact the water supply.

Facility Information

Under SIC Code 3069, Edge Rubber is a manufacturer of fine-grade rubber products from various types of recycled tire materials. The site located at consists of a manufacturing facility, office, loading/unloading areas, material storage areas, and parking lots. Edge Rubber has shut down its tire shredding operation previously located in the Cumberland Valley Business Park (1711 Opportunity Avenue, Chambersburg PA 17201). Edge Rubber is now utilizing tire shredding operation at the current facility (811 Progress Road, Chambersburg PA 17201).

There are currently three (3) discharge outfalls managed by Edge Rubber at this facility. Two (2) of these outfalls, Outfall 002 and Outfall 003, receive solely stormwater drained from this site. Stormwater from Outfall 002 (or S01) is discharged to a rock lined basin located northwest of the site and either infiltrates into ground or overflows the rear berm to Unnamed Tributary of Conococheague Creek. Stormwater from Outfall 003 (or S02) is discharged into a dry swale located northeast of the site. Outfall 001 receives stormwater from loading areas. Outfall 001 also receives non-contacting cooling water from the manufacturing facility in which municipal water is used to cool products for packaging. No process is generated from this facility and all sanitary wastewater is sent to Chambersburg WWTP.

Compliance History

Summary of DMRs:	A summary of past 12-month DMR data is presented on the next page.
Summary of Inspections:	04/06/2022: DEP conducted a complaint response inspection as a result of a complaint on 3/26/2022 stating that oily black water/crumb rubber was discharging into a partially constructed stormwater basin. The Clean Streams Law violation was noted at the time of inspection.
Other Comments:	Since the last reissuance, there were three (3) permit violations; all of them were associated with the late DMR submission. DEP's database shows that there is no open violation associated with this permittee or facility.

Effluent Data

DMR Data for Outfall 001 (from March 1, 2024 to February 28, 2025)

Parameter	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24	MAR-24
Flow (MGD) Average Monthly	0.031	0.033	0.033	0.035	0.045	0.051	0.057	0.047	0.050	0.040	0.040	0.039
Flow (MGD) Daily Maximum	0.046	0.054	0.060	0.048	0.091	0.092	0.090	0.080	0.088	0.106	0.093	0.059
pH (S.U.) Daily Minimum	7.0	7.8	7.9	7.7	7.5	7.2	7.0	6.7	7.0	6.9	6.7	6.7
pH (S.U.) Daily Maximum	8.4	8.4	8.4	8.3	8.5	8.3	7.7	7.8	7.9	7.7	7.1	7.6
TRC (mg/L) Average Monthly	1.05	1.05	1.00	0.80	0.83	0.67	0.57	0.73	0.75	0.83	0.92	0.94
TRC (mg/L) Instantaneous Maximum	1.14	1.12	1.06	0.85	0.89	0.76	0.60	0.84	0.83	0.91	0.95	1.01
Temperature (ºF) Average Monthly	56	53	56	67	71	71	71	72	69	69	62	63
Temperature (ºF) Daily Maximum	65	56	65	73	76	77	77	78	70	72	66	64
TSS (mg/L) Daily Maximum			1.0						15.0			
Oil and Grease (mg/L) Daily Maximum			< 4.95						< 10.0			
Total Zinc (mg/L) Daily Maximum			< 0.0200						< 0.0200			

DMR Data for Outfall 002 (from March 1, 2024 to February 28, 2025)

Parameter	FEB-25	JAN-25	DEC-24	NOV-24	OCT-24	SEP-24	AUG-24	JUL-24	JUN-24	MAY-24	APR-24	MAR-24
pH (S.U.) Daily Maximum									7.7			
TSS (mg/L) Daily Maximum									9.0			
Oil and Grease (mg/L) Daily Maximum									< 10.0			
Total Zinc (mg/L) Daily Maximum									< 0.0200			

Existing Effluent Limitations and Monitoring Requirements

A table below shows effluent limits and monitoring requirements established in the existing permit renewal:

Outfall 001

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0	XXX	1/week (3)	Grab
Total Residual Chlorine (TRC)	XXX	XXX	XXX	Report	XXX	Report	1/week (3)	Grab
Temperature (deg F) (ºF)	XXX	XXX	XXX	Report	Report	XXX	1/week (3)	I-S
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Zinc, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Outfall 002

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Zinc, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Existing Effluent Limitations and Monitoring Requirements (continued)

Outfall 003

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Zinc, Total	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Development of Effluent Limitations

Outfall No.	001	**Design Flow (MGD)**	.06
Latitude	39º 55' 40.00"	**Longitude**	-77º 40' 0.00"

Wastewater Description: Noncontact Cooling Water (NCCW)

Technology-Based Limitations

There is no applicable federal effluent limitations and guidelines (ELGs) associated with non-contact cooling water discharges from this facility. This facility is subject to DEP's effluent standards for industrial wastes found in 25 Pa Code §95.2 which require pH of 6.0 (minimum) and 9.0 (maximum). Non-contact cooling water is not oil-bearing wastewater; therefore 25 Pa Code §95.2(2) is not applicable.

Water Quality-Based Limitations

A reasonable potential analysis using WQM is not needed as the discharge is non-contact cooling water.

Based on the sample results provided as part of the application, it appears that there are no toxic parameters presented in the effluent at the level of concern (i.e., mostly non-detected or below water quality criteria). No Toxics Management Spreadsheet has therefore been utilized.

A thermal discharge occurs from this facility; therefore, a reasonable potential analysis using DEP's Thermal Limits Spreadsheet is necessary for temperature to ensure protection of water quality standards in the receiving stream. Previously, Conococheague Creek at the confluent of Unnamed Tributary 60178 of Conococheague Creek (receiving stream) was determined to be a point of first use where an aquatic use occurs within well-defined stream channels and continuous stream flow. As a result, a water quality modeling is performed at this point. USGS StreamStats provided a Q7-10 flow of 30.3 cfs at the point of first surface water use. DEP's Thermal Discharge worksheet indicated that no WQBEL is required to protect water quality standards at this point. No effluent limits are therefore recommended. The existing monitoring requirement will continue to be included in the permit.

Best Professional Judgment (BPJ) Limitations

During the previous inspection in 2017, DEP noticed that non-contact cooling water contains a total residual chlorine level of 0.66 mg/L. Based on a conversation with the site representative, it appears potable municipal water is used for non-contact cooling water. The current DEP drinking water standard (i.e., maximum contaminant level) for chlorine is 4.0 mg/L and the current DEP aquatic life criteria for total residual chlorine is 0.011 mg/L (four-day average) and 0.019 mg/L (1-hour average). As a result, the existing permit contains a weekly monitoring of Total Residual Chlorine. A continuation of this monitoring is recommended based on the past 12-month DMR data showing TRC is consistently presented in the effluent.

In addition to abovementioned temperature requirements, Part C of the permit will include the following standard narrative effluent limits associated with thermal discharges.

- This discharge shall not cause a change in the stream temperature of more than 2°F during any one hour.
- There shall be no net addition of pollutants to non-contact cooling water over intake values except for heat and water conditioning additives for which complete information was submitted in the application or is required to be submitted as a condition of the permit.

Additional Considerations

The existing requirement to monitor for discharge flow will remain unchanged in the permit in accordance with 40 CFR §122.44(i)(1)(ii).

Development of Effluent Limitations and Monitoring Requirements

Outfall No.	002	**Design Flow (MGD)**	N/A
Latitude	39º 55' 34.60"	**Longitude**	-77º 40' 0.00"
Wastewater Description:	Stormwater		

Outfall No.	003	**Design Flow (MGD)**	N/A
Latitude	39º 55' 37.00"	**Longitude**	-77º 40' 1.00"
Wastewater Description:	Stormwater		

Outfall 002 (S01) receives stormwater from the parking areas and from the concrete pad behind the facility used to store raw material and Outfall 003 (S02) receives stormwater from plant roof drains. Outfall 001 receives stormwater from the loading dock area and then commingled with noncontact cooling water.

A water quality modeling is not applicable as the discharge rate varies and is solely dependent on precipitation. The existing permit requires an annual monitoring of Total Suspended Solids, Total Kjeldahl Nitrogen, and Total Iron at Outfalls 002 and 003. This monitoring requirement was directly derived from DEP's previous NPDES PAG-03 General Permit requirements for stormwater discharges associated with industrial activities. This is a typical approach used by DEP to develop permit requirements for those facilities discharging stormwater under an individual industrial waste NPDES permit.

According to DEP's current NPDES PAG-03 General Permit, Edge Rubber under SIC Cod 3069 is subject to Appendix S permit requirements associated with industrial activity from rubber, miscellaneous plastic products and miscellaneous manufacturing industries. This appendix requires a semi-annual monitoring of pH, Total Suspended Solids and Total Zinc. For Outfall 002, because stormwater is drained from the parking areas, a monitoring of oil/grease is recommended in addition to these parameters with the same monitoring frequency.

Because Outfall 001 also receives stormwater, discharges of stormwater from the loading dock area must also be regulated. The same permit requirements assigned for Outfalls 002 and 003 will be assigned to Outfall 001. It is noteworthy that because stormwater is commingled with noncontact cooling water, a footnote will be provided in the permit to ask Edge Rubber to collect samples of stormwater when discharges of non-contact cooling water do not occur and vice versa to obtain the samples that are representative.

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (386-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0	XXX	1/week	Grab
TRC	XXX	XXX	XXX	Report	XXX	Report	1/week	Grab
Temperature (ºF)	XXX	XXX	XXX	Report	Report	XXX	1/week	I-S
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (386-0400-001), SOPs and/or BPJ.

Outfall 002, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location:

Other Comments:

Proposed Effluent Limitations and Monitoring Requirements

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (386-0400-001), SOPs and/or BPJ.

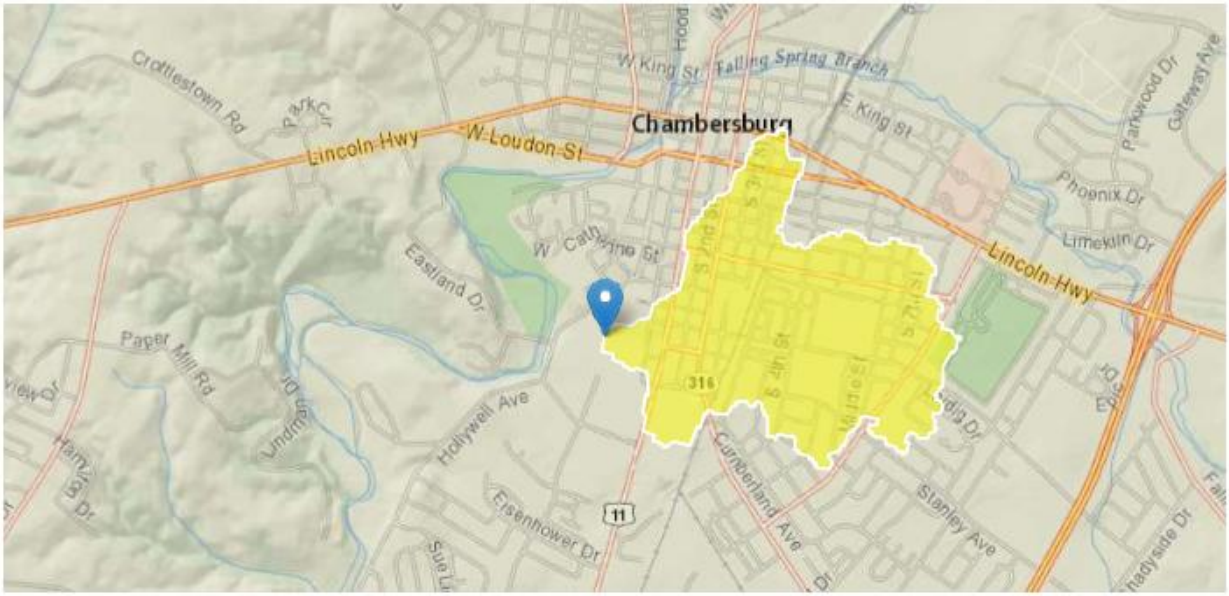
Outfall 003, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Total Zinc	XXX	XXX	XXX	XXX	Report	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:
☐	Other:

StreamStats Report

Region ID: PA
Workspace ID: PA20250401132259612000
Clicked Point (Latitude, Longitude): 39.92782, -77.66697
Time: 2025-04-01 09:23:24 -0400



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	100	percent
DRNAREA	Area that drains to a point on a stream	0.6	square miles
PRECIP	Mean Annual Precipitation	39	inches
ROCKDEP	Depth to rock	5.6	feet
STRDEN	Stream Density -- total length of streams divided by drainage area	0.12	miles per square mile

Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 2]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
CARBON	Percent Carbonate	100	percent	0	99
DRNAREA	Drainage Area	0.6	square miles	4.93	1280
PRECIP	Mean Annual Precipitation	39	inches	35	50.4
ROCKDEP	Depth to Rock	5.6	feet	3.32	5.65
STRDEN	Stream Density	0.12	miles per square mile	0.51	3.1

Low-Flow Statistics Disclaimers [Low Flow Region 2]

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 2]

Statistic	Value	Unit
7 Day 2 Year Low Flow	1.83	ft^3/s
30 Day 2 Year Low Flow	1.76	ft^3/s
7 Day 10 Year Low Flow	1.49	ft^3/s
30 Day 10 Year Low Flow	1.45	ft^3/s
90 Day 10 Year Low Flow	1.6	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/)

Application Version: 4.28.0
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Instructions | *Inputs*

Facility: **Edge Rubber**

Permit No.: **PA0083917**

Stream Name: **UNT of Conococheague Creek**

Analyst/Engineer: **Jinsu Kim**

Stream Q7-10 (cfs)*: **30.3**

Outfall No.: **001**

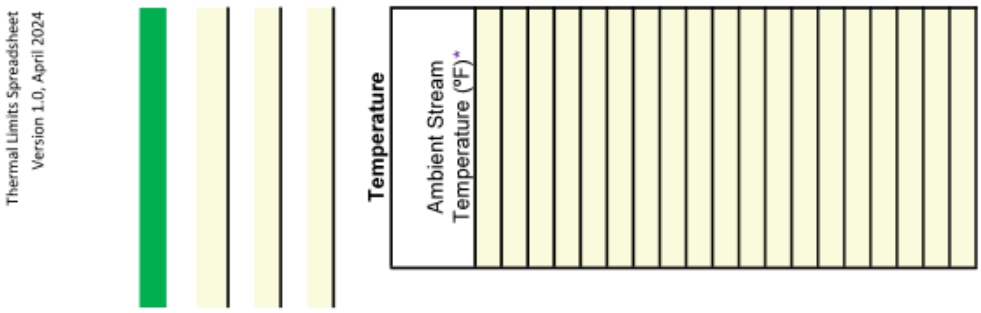
Analysis Type*: **WWF**

Facility Flows

Semi-Monthly Increment	Intake (Stream) (MGD)*	Intake (External) (MGD)*	Consumptive Loss (MGD)*	Discharge Flow (MGD)
Jan 1-31		0.06		0.06
Feb 1-29		0.06		0.06
Mar 1-31		0.06		0.06
Apr 1-15		0.06		0.06
Apr 16-30		0.06		0.06
May 1-15		0.06		0.06
May 16-31		0.06		0.06
Jun 1-15		0.06		0.06
Jun 16-30		0.06		0.06
Jul 1-31		0.06		0.06
Aug 1-15		0.06		0.06
Aug 16-31		0.06		0.06
Sep 1-15		0.06		0.06
Sep 16-30		0.06		0.06
Oct 1-15		0.06		0.06
Oct 16-31		0.06		0.06
Nov 1-15		0.06		0.06
Nov 16-30		0.06		0.06
Dec 1-31		0.06		0.06

Stream Flows

Q7-10 Multipliers (Default Shown)	PMF	Seasonal Stream Flow (cfs)	Downstream Stream Flow (cfs)
3.2	1.00	96.96	97.05
3.5	1.00	106.05	106.14
7	1.00	212.10	212.19
9.3	1.00	281.79	281.88
9.3	1.00	281.79	281.88
5.1	1.00	154.53	154.62
5.1	1.00	154.53	154.62
3	1.00	90.90	90.99
3	1.00	90.90	90.99
1.7	1.00	51.51	51.60
1.4	1.00	42.42	42.51
1.4	1.00	42.42	42.51
1.1	1.00	33.33	33.42
1.1	1.00	33.33	33.42
1.2	1.00	36.36	36.45
1.2	1.00	36.36	36.45
1.6	1.00	48.48	48.57
1.6	1.00	48.48	48.57
2.4	1.00	72.72	72.81


Thermal Limits Spreadsheet
Version 1.0, April 2024
Temperature
Ambient Stream Temperature (°F)*

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Thermal Limits Spreadsheet
Version 1.0, April 2024

Instructions | *WWF Results*

Recommended Limits for Case 1 or Case 2

Semi-Monthly Increment	**WWF** Target Maximum Stream Temp. (°F)	**Case 1** Daily WLA (Million BTUs/day)	**Case 2** Daily WLA (°F)
Jan 1-31	40	N/A -- Case 2	110.0
Feb 1-29	40	N/A -- Case 2	110.0
Mar 1-31	46	N/A -- Case 2	110.0
Apr 1-15	52	N/A -- Case 2	110.0
Apr 16-30	58	N/A -- Case 2	110.0
May 1-15	64	N/A -- Case 2	110.0
May 16-31	72	N/A -- Case 2	110.0
Jun 1-15	80	N/A -- Case 2	110.0
Jun 16-30	84	N/A -- Case 2	110.0
Jul 1-31	87	N/A -- Case 2	110.0
Aug 1-15	87	N/A -- Case 2	110.0
Aug 16-31	87	N/A -- Case 2	110.0
Sep 1-15	84	N/A -- Case 2	110.0
Sep 16-30	78	N/A -- Case 2	110.0
Oct 1-15	72	N/A -- Case 2	110.0
Oct 16-31	66	N/A -- Case 2	110.0
Nov 1-15	58	N/A -- Case 2	110.0
Nov 16-30	50	N/A -- Case 2	110.0
Dec 1-31	42	N/A -- Case 2	110.0

Date	Version
4/3/2024	1.0

Change(s)
Original