Pennsylvania Department of Environmental Protection

Southwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0095737**
Facility Type	**Storm Water**	APS ID	**1135295**
Major / Minor	**Minor**	Authorization ID	**1523427**

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

Applicant and Facility Information

Applicant Name	**Alliance Tubular Holdings LLC**	Facility Name	**Darlington Plant**
Applicant Address	6051 Wallace Road Ext Suite 200	Facility Address	305 Cannelton Road
	Wexford, PA 15090-7386		Darlington, PA 16115-1617
Applicant Contact	Timothy Harvey	Facility Contact	Robert Utley
Applicant Phone	(412) 299-2620	Facility Phone	(330) 829-5320
Client ID	146843	Site ID	485870
SIC Code	3317	Municipality	Darlington Township
SIC Description	Steel Pipe and Tubes	County	Beaver
Date Application Received	March 4, 2025	EPA Waived?	Yes
Date Application Accepted	April 16, 2025	If No, Reason	

Purpose of Application: Renewal of NPDES permit for industrial stormwater discharge to HQ watershed

Summary of Review

The Department received an NPDES industrial stormwater permit application for the Alliance Tubular Holdings LLC, Darlington Plant on 3/4/2025. The prior permit was issued on 8/5/2020 with an effective date of 9/1/2020 and an expiration date of 8/31/2025.

Shown in Figure 1 and Figure 2, the Darlington Plant is a manufacturer of steel tubing. The approximately 52.4-acre parcel consists of about 14 acres of area used for the industrial operation with the remaining area left as green space. The primary production processes are welding and hot stretch reduction. Purchased steel coils are slit and run through an electric weld mill which forms the prepped steel hollows into 3” or 4.5” diameter tubing. This tubing is then cut to a desired length, heated by induction coil, and processed through a hot stretch reducing mill. The tubing is cooled and straightened and tested as necessary before shipment to customers. Cooling water is recycled in a closed loop system. The cooling water passes through a scale pit for solids settling and oil removal followed by a cooling tower, then cooled water flows into a set of outdoor cooling ponds. Connected by a pipe with a manual valve, only one pond is utilized at a time to allow for extra capacity in the event of a significant storm. The water from the active pond is then recirculated back through the manufacturing process. Since no cooling water is discharged, a thermal impacts analysis will not be performed. An onsite well is used for make-up due to evaporation and incidental losses. Accumulated solids are removed from the ponds as needed and hauled offsite for disposal.

Outfall 001 receives stormwater from roof drains, the area around the cooling ponds, and the spare equipment storage area and discharges to a drainage easement (ditch) on the western edge of the facility that leads to North Fork Little Beaver Creek. Outfall 002 receives stormwater from the north side of the building through a series of roof drains and catch basins in a grassed area between the railroad grade and the building, discharging also to the western drainage easement. The railroad grade contributes significant offsite influent to Outfall 002. Outfall 003 receives stormwater from a catch basin on the eastern

Approve	Deny	Signatures	Date
X		Jace W. Marsh / Environmental Engineering Specialist	June 17, 2025
X		Michael E. Fifth, P.E. / Environmental Engineer Manager	June 18, 2025

Summary of Review

side of building. The drainage area for this catch basin is the partially paved lot for the "Material Loading and Unloading Area" in Figure 2. In addition to being used for loading/unloading, the Outfall 003 drainage area contains dumpsters, uncovered steel storage, and employee parking. Outfall 003 discharges to a vegetated infiltration swale in the southeast green space of the facility. The remainder of industrial stormwater in the southwest portion of the site containing the material storage and handling area runs off as sheet flow to adjacent green space or to the western drainage easement. As can be seen in Figure 2, a single catch basin drains the paved parking lot for employees with about 20 available spaces at the southeastern side of the building and discharges to a small designated sedimentation pond which itself discharges through a riser to the surrounding fallow field; since it has no significant pollutant potential differing from a common parking lot, it will not be considered an industrial stormwater outfall for this permit renewal. North Fork Little Beaver Creek has a 25 PA Code Chapter 93 High Quality-Cold Water Fishes designated use and is not impaired (source: *2024 Integrated Report*).

The permittee currently has no open violations and last had a compliance evaluation inspection on 9/1/2021 by Amanda Illar with no violations noted. See Appendix B for stormwater sampling data submitted with the application and quarterly Discharge Monitoring Report (DMR) data from the past year. The past year, except for the most recent quarterly sampling, have shown compliance with existing benchmarks. According to the current permit, a Corrective Action Plan (CAP) is to be submitted after two consecutive exceedances. Please be aware that the Draft permit requires a CAP following one exceedance of benchmarks to be protective of the HQ-CWF designation of North Fork Little Beaver Creek. Historic sample data shows that the most recent benchmark exceedances are an isolated event, and the facility should have ample ability to achieve existing benchmarks.

Since Outfall 002 is heavily influenced by offsite runoff from the adjacent railroad grade, monitoring is not imposed at Outfall 002 in the Draft permit, and Outfall 001 is considered representative of Outfall 002. Monitoring requirements and benchmarks for Outfall 001 and Outfall 003 in the Draft permit are based on the 2022 PAG-03 General Stormwater Permit Appendix U and PAG-03 No Exposure Certification. 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.

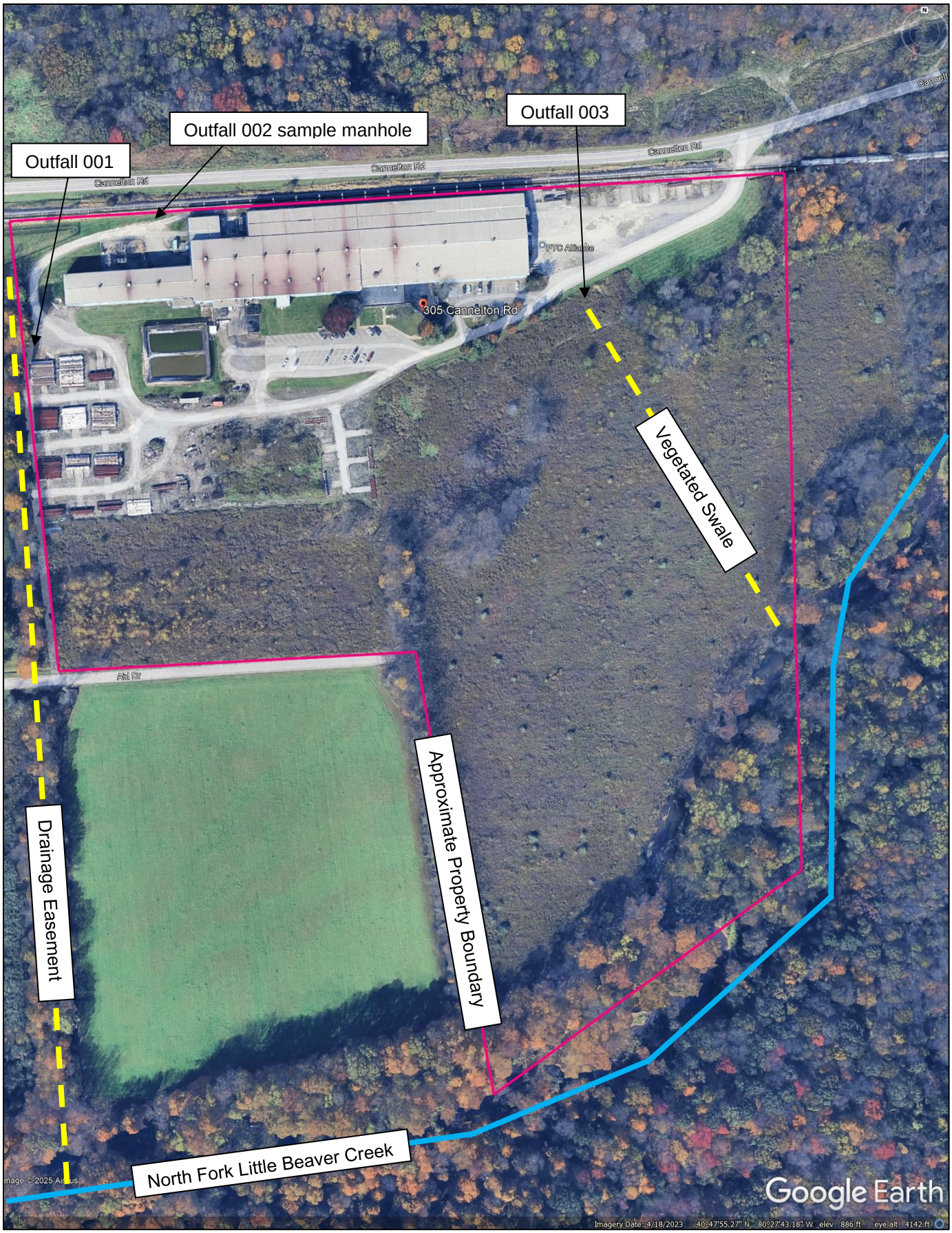


Figure 1. Satellite imagery of the Darlington Plant with labels

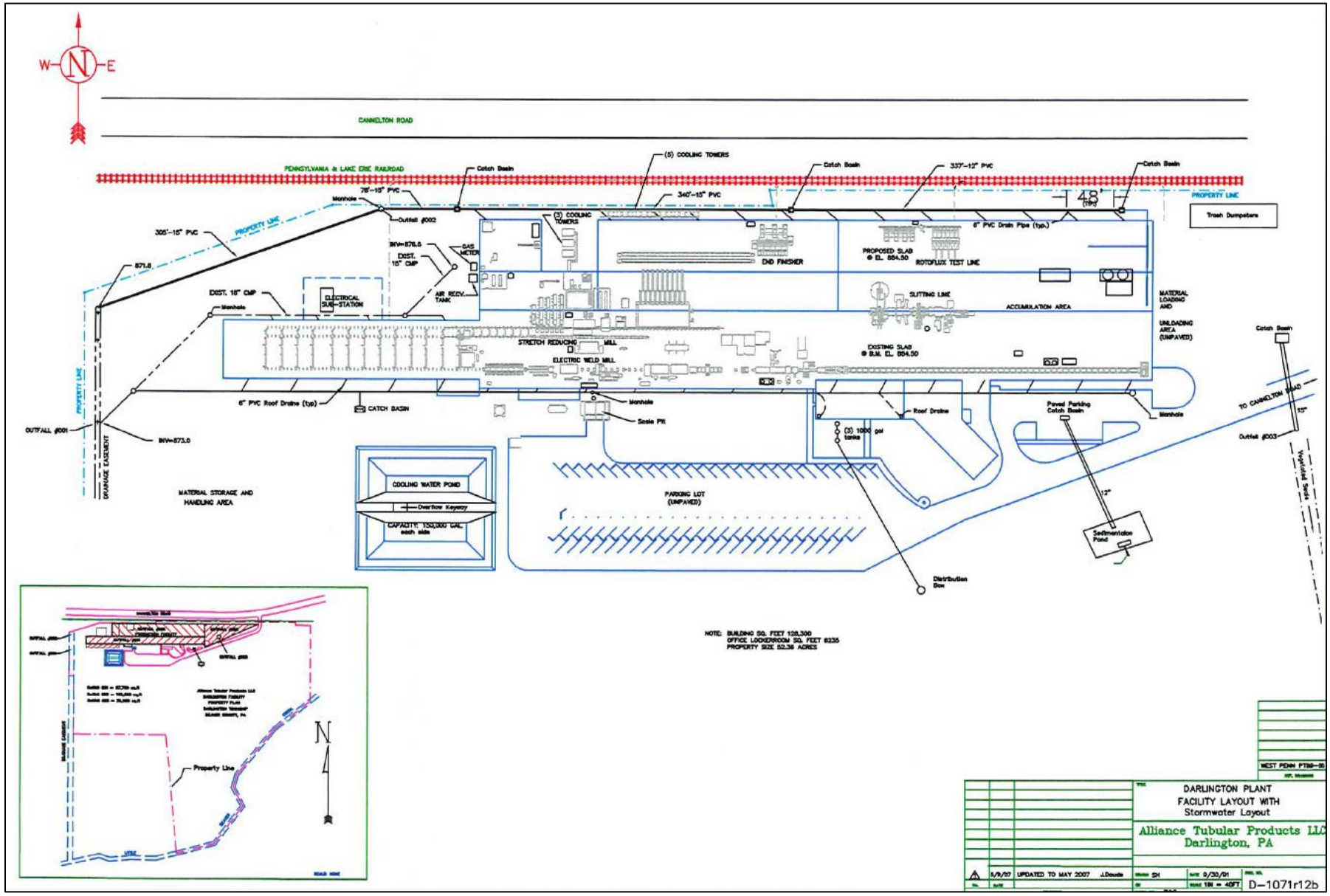


Figure 2. Layout of the Darlington Plant

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0
Latitude	40º 47' 52.6"	Longitude	-80º 27' 45"
Quad Name	New Galilee	Quad Code	1202
Wastewater Description:	Stormwater from roof drains, the area around the cooling ponds, and the spare equipment storage area		
Receiving Waters	North Fork Little Beaver Creek (HQ-CWF)	Stream Code	33323
NHD Com ID	99676962	RMI	4.1
Drainage Area	96.2 mi^2	Yield (cfs/mi^2)	0.0228
Q_{7-10} Flow (cfs)	2.19	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	951	Slope (ft/ft)	0.0827 (mean basin slope)
Watershed No.	20-B	Chapter 93 Class.	HQ-CWF
Existing Use	n/a	Existing Use Qualifier	n/a
Exceptions to Use	n/a	Exceptions to Criteria	n/a
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	n/a		
Source(s) of Impairment	n/a		
TMDL Status	n/a	Name	n/a
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)	24.5

Changes Since Last Permit Issuance: no significant changes

Other Comments: none

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002	Design Flow (MGD)	0
Latitude	40º 47' 54.9"	Longitude	-80º 27' 41.5"
Quad Name	New Galilee	Quad Code	1202
Wastewater Description:	Stormwater from roof drains and grassed area adjacent to railroad grade		
Receiving Waters	North Fork Little Beaver Creek (HQ-CWF)	Stream Code	33323
NHD Com ID	99676962	RMI	4.1
Drainage Area	96.2 mi^2	Yield (cfs/mi^2)	0.0228
Q_{7-10} Flow (cfs)	2.19	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	951	Slope (ft/ft)	0.0827 (mean basin slope)
Watershed No.	20-B	Chapter 93 Class.	HQ-CWF
Existing Use	n/a	Existing Use Qualifier	n/a
Exceptions to Use	n/a	Exceptions to Criteria	n/a
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	n/a		
Source(s) of Impairment	n/a		
TMDL Status	n/a	Name	n/a
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)	24.5

Changes Since Last Permit Issuance: no significant changes

Other Comments: Outfall 001 is considered representative of Outfall 002 for this Draft permit renewal.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	003	Design Flow (MGD)	0
Latitude	40º 47' 53.4"	Longitude	-80º 27' 28.4"
Quad Name	New Galilee	Quad Code	1202
Wastewater Description:	Stormwater from partially paved lot by loading docks		
Receiving Waters	North Fork Little Beaver Creek (HQ-CWF)	Stream Code	33323
NHD Com ID	99676962	RMI	4.1
Drainage Area	96.2 mi^2	Yield (cfs/mi^2)	0.0228
Q_{7-10} Flow (cfs)	2.19	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	951	Slope (ft/ft)	0.0827 (mean basin slope)
Watershed No.	20-B	Chapter 93 Class.	HQ-CWF
Existing Use	n/a	Existing Use Qualifier	n/a
Exceptions to Use	n/a	Exceptions to Criteria	n/a
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	n/a		
Source(s) of Impairment	n/a		
TMDL Status	n/a	Name	n/a
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)	24.5

Changes Since Last Permit Issuance: no significant changes

Other Comments: none

Development of Effluent Limitations

Outfall No.	001	**Design Flow (MGD)**	0
Latitude	40º 47' 52.6"	**Longitude**	-80º 27' 45"
Wastewater Description:	Stormwater from roof drains, the area around the cooling ponds, and the spare equipment storage area		

Outfall No.	003	**Design Flow (MGD)**	0
Latitude	40º 47' 53.4"	**Longitude**	-80º 27' 28.4"
Wastewater Description:	Stormwater from partially paved lot by loading docks		

Outfall 001 and Outfall 003 discharge stormwater only with no differences between the industrial uses of the drainage areas significant enough to warrant separate analyses so effluent limitations for both outfalls are derived together in this section. Since Outfall 002 is heavily influenced by offsite runoff from the adjacent railroad grade, monitoring is not imposed at Outfall 002 in the Draft permit, and Outfall 001 is considered representative of Outfall 002. Outfall 001 discharge consists largely of roof drains—the primary onsite industrial stormwater component of Outfall 002—so sample data from Outfall 001 will suffice to represent pollutant concerns from that source. Seen in Figure 1 & Figure 2 on Page 3 & Page 4, respectively, most roof vents displaying staining from interior manufacturing processes are located within the roof drainage area of connections to Outfall 001.

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 3317—Steel Pipes and Tubes so the corresponding appendix of the PAG-03 that applies is Appendix B—Primary Metals. The reporting requirements applicable to stormwater discharges under this appendix are shown in Table 1 below. PAG-03 Appendix B best management practices (BMPs) will be included in Part C of the Draft Permit.

Table 1. 2022 PAG-03 Appendix B 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
Total Aluminum	XXX	1/6 Months	Grab
Total Zinc	XXX	1/6 Months	Grab
Total Copper	XXX	1/6 Months	Grab
Total Iron	XXX	1/6 Months	Grab
Total Lead	XXX	1/6 Months	Grab

Water Quality-Based Limitations

Stormwater WQBELs

Water quality analyses are typically performed under low-flow (Q7-10) stream conditions. Stormwater discharges occur at variable rates and frequencies but not however during Q7-10 conditions. Since the discharges from the outfalls are composed entirely of stormwater, a formal water quality analysis cannot be accurately conducted. Accordingly, water quality-based effluent limitations are not proposed.

Antidegradation

North Fork Little Beaver Creek has a 25 PA Code Chapter 93 High Quality-Cold Water Fishes (HQ-CWF) designated use. Antidegradation regulations under Chapter 93.4c(a)(l)(i) requires existing use protection when information available indicates a surface water attains or has attained an existing use. Facilities discharging stormwater to a HQ stream are not eligible for PAG-03 permits due to degradation risks, so more stringent stormwater benchmarks must be put into place.

To ensure that the discharge does not degrade the stream, the PAG-03 No Exposure Certification concentrations shown in Table 2 below will be used as the benchmark values in the Draft Permit. If a facility's stormwater discharge meets the stringent concentrations of No Exposure Certification, then it is assumed that the stormwater is uncontaminated and not contributing to stream degradation.

Table 2. No Exposure Certification concentrations

Parameter	No Exposure Certification Concentrations (mg/L)
Oil & Grease	≤ 5.0
5-Day Biochemical Oxygen Demand (BOD5)	≤ 10
Chemical Oxygen Demand (COD)	≤ 30
Total Suspended Solids (TSS)	≤ 30
Total Nitrogen	≤ 2.0
Total Phosphorus	≤ 1.0
Total Iron	≤ 7.0
pH (S.U.)	6.0-9.0 (unless precipitation pH is below 6.0)

Regulatory Water Quality Criteria

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

Anti-Backsliding

Previous limits can be used pursuant to EPA's anti-backsliding regulation, 40 CFR 122.44(l). Previous monitoring requirements along with benchmarks are shown in Table 3 and Table 4.

Table 3. Monitoring requirements and benchmarks from previous permit for Outfall 001 and Outfall 002

Parameter	Daily Maximum (mg/L)	Benchmark Values (mg/L)	Measurement Frequency	Sample Type
Flow (MGD)	Report	XXX	1/quarter	Grab
Total Suspended Solids (TSS)	Report	30.0	1/quarter	Grab
Total Aluminum	Report	XXX	1/quarter	Grab
Total Copper	Report	XXX	1/quarter	Grab
Total Iron	Report	1.5	1/quarter	Grab
Total Lead	Report	XXX	1/quarter	Grab
Total Zinc	Report	XXX	1/quarter	Grab

Table 4. Monitoring requirements and benchmarks from previous permit for Outfall 003

Parameter	Daily Maximum (mg/L)	Benchmark Values (mg/L)	Measurement Frequency	Sample Type
Flow (MGD)	Report	XXX	1/year	Grab
Total Suspended Solids (TSS)	Report	30.0	1/year	Grab

Proposed Effluent Limitations and Monitoring Requirements

Effluent limits imposed at Outfall 001 and Outfall 003 are the more stringent of TBELs, WQBELs, regulatory effluent standards, and monitoring requirements as summarized in Table 5. The pH benchmark was adjusted to ≤9.0 S.U. to reflect possible influence of acid rain on stormwater in order to avoid benchmark exceedances from natural causes.

The prior Total Iron benchmark of 1.5 mg/L was based on water quality criterion and stream qualifications for a High Quality designation found in 25 PA Code § 93.7(a) and § 93.4b(a)(1)(i). Since concentration of Total Iron in turbid stream flow during a storm event can surpass 1.5 mg/L from natural suspended sediment of eroded native soil, the Total Iron concentration of 3.0 mg/L from the Regulatory Water Quality Criteria subsection on Page 9 of this Draft fact sheet was chosen as a more positive indicator of excessive stormwater contamination from the industrial steel forming operation at the Darlington Plant.

These benchmark values are not effluent limitations, and an exceedance of the benchmark value is not a violation. An exceedance of the benchmark provides permittees with an indication that the facility's BMPs may not be sufficiently controlling pollutants in stormwater. A Part C condition is included in the Draft Permit requiring a Corrective Action Plan to evaluate site stormwater controls and BMPs when there is an exceedance of the benchmark values.

Table 5. Proposed stormwater effluent limitations for Outfall 001 and Outfall 003

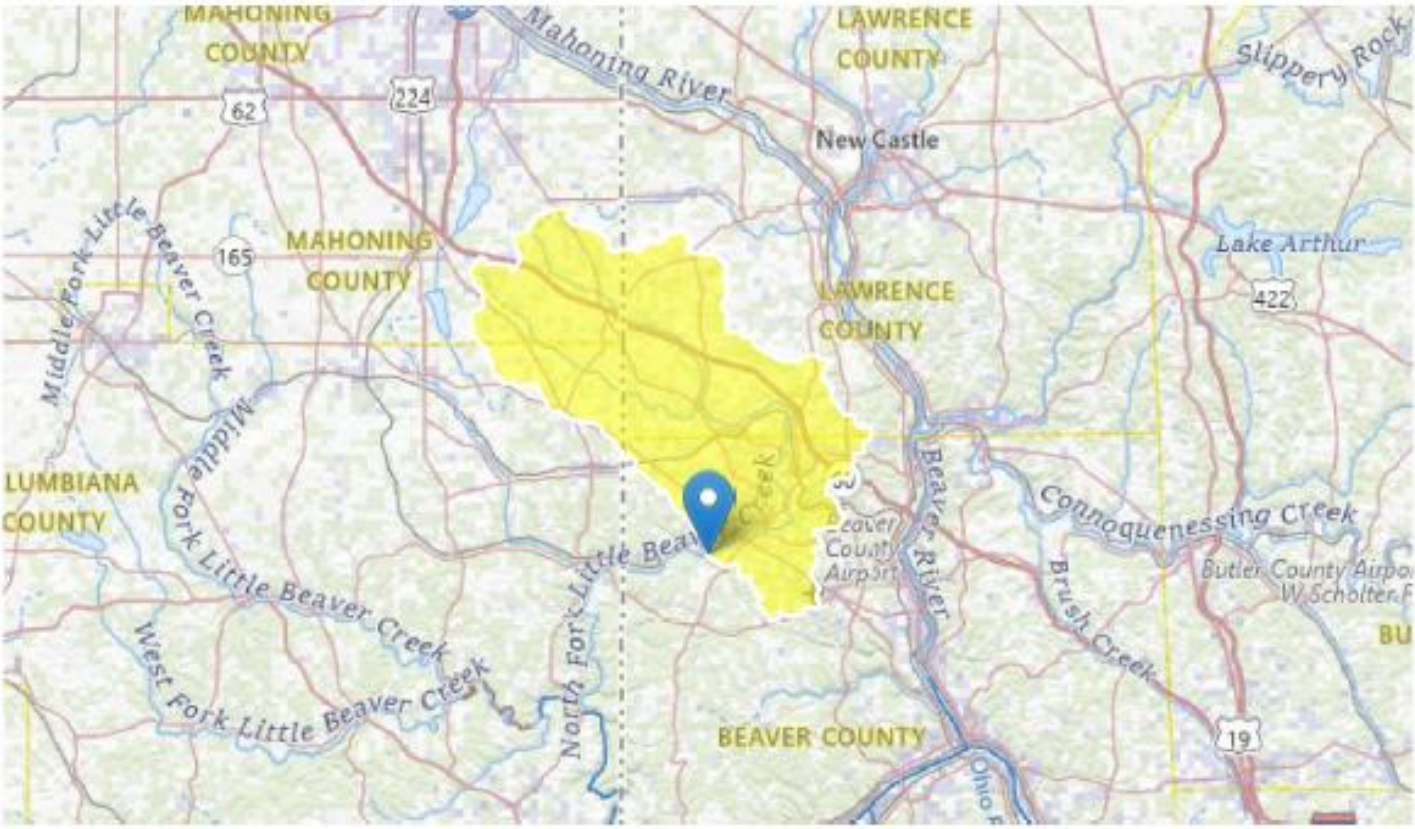
Parameter	Daily Maximum (mg/L)	Benchmark Value (mg/L)	Monitoring Frequency	Sample Type
Oil & Grease	Report	5.0	1/6 Months	Grab
5-Day Biochemical Oxygen Demand (BOD5)	Report	10	1/6 Months	Grab
Chemical Oxygen Demand (COD)	Report	30	1/6 Months	Grab
Total Suspended Solids (TSS)	Report	30	1/6 Months	Grab
Total Nitrogen	Report	2.0	1/6 Months	Grab
Total Phosphorus	Report	1.0	1/6 Months	Grab
Total Iron	Report	3.0	1/6 Months	Grab
pH (S.U.)	Report	<9.0	1/6 Months	Grab
Total Aluminum	Report	XXX	1/6 Months	Grab
Total Zinc	Report	XXX	1/6 Months	Grab
Total Copper	Report	XXX	1/6 Months	Grab
Total Lead	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: BCW-PMT-001, BCW-PMT-032
☒	Other: USGS StreamStats (see attachment A), 2024 Integrated Report, 2022 PAG-03

Attachment A:
USGS StreamStats

PA0095737 StreamStats Report

Region ID: PA
Workspace ID: PA20250428175616530000
Clicked Point (Latitude, Longitude): 40.79315, -80.46239
Time: 2025-04-28 13:56:50 -0400



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Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
BSLOPD	Mean basin slope measured in degrees	4.7256	degrees
DRNAREA	Area that drains to a point on a stream	96.2	square miles
ELEV	Mean Basin Elevation	1102	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	96.2	square miles	2.26	1400
ELEV	Mean Basin Elevation	1102	feet	1050	2580

Low-Flow Statistics Flow Report [Low Flow Region 4]

PIL: Lower 90% Prediction Interval, PIU: Upper 90% Prediction Interval, ASEp: Average Standard Error of Prediction, SE: Standard Error, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR^2: Pseudo R Squared (other -- see report)

Statistic	Value	Unit	SE	ASEp
7 Day 2 Year Low Flow	4.75	ft^3/s	43	43
30 Day 2 Year Low Flow	7.37	ft^3/s	38	38
7 Day 10 Year Low Flow	2.19	ft^3/s	66	66
30 Day 10 Year Low Flow	3.29	ft^3/s	54	54
90 Day 10 Year Low Flow	5.29	ft^3/s	41	41

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/)

Attachment B:
Reported Stormwater Pollutant Concentration Data

DMR Data for Outfall 001 (from April 1, 2024 to March 31, 2025)

Parameter	MAR-25	DEC-24	SEP-24	JUN-24
Flow (MGD)	3.0	2.0	1.0	1
TSS (mg/L)	240	8.1	1.8	7.4
Total Aluminum (mg/L)	2.8	0.088	0.07	0.53
Total Copper (mg/L)	0.014	< 0.0017	< 0.0017	< 0.0039
Total Iron (mg/L)	4.1	0.45	0.16	0.170
Total Lead (mg/L)	0.006	0.00061	< 0.00045	< 0.0023
Total Zinc (mg/L)	0.17	0.063	0.040	0.190

DMR Data for Outfall 002 (from April 1, 2024 to March 31, 2025)

Parameter	MAR-25	DEC-24	SEP-24	JUN-24
Flow (MGD)	2.0	2.0	0.5	10
TSS (mg/L)	100	2.3	13	2.1
Total Aluminum (mg/L)	2.6	0.069	0.31	< 0.13
Total Copper (mg/L)	0.010	< 0.0017	0.0028	< 0.0039
Total Iron (mg/L)	3.8	0.11	0.44	0.170
Total Lead (mg/L)	0.006	< 0.00045	0.00084	< 0.0023
Total Zinc (mg/L)	0.088	0.086	0.028	0.099

Stormwater Sampling Results from Renewal Application [1]
[1] This data was also submitted for the March 2025 DMRs above.

Outfall	Parameter	Concentration (mg/L)	Current Benchmark Concentration (mg/L)
001	Oil & Grease	5.0	XXX
	BOD5	8.9	XXX
	COD	35	XXX
	TSS	240	30.0
	Total Nitrogen	0.93	XXX
	Total Phosphorus	0.29	XXX
	pH	8.3	XXX
	Total Aluminum	2.8	XXX
	Total Copper	0.014	XXX
	Total Iron	4.1	1.5
	Total Lead	0.006	XXX
	Total Zinc	0.17	XXX
	Total Manganese	0.31	XXX
002	Oil & Grease	4.6	XXX
	BOD5	<6.0	XXX
	COD	<10	XXX
	TSS	100	30.0
	Total Nitrogen	0.74	XXX
	Total Phosphorus	0.25	XXX
	pH	9.2	XXX
	Total Aluminum	2.6	XXX
	Total Copper	0.010	XXX
	Total Iron	3.8	1.5
	Total Lead	0.006	XXX
	Total Zinc	0.088	XXX
	Total Manganese	0.47	XXX
003	Oil & Grease	5.3	XXX
	BOD5	6.4	XXX
	COD	62	XXX
	TSS	1700	30.0
	Total Nitrogen	20	XXX
	Total Phosphorus	0.91	XXX
	pH	8.4	XXX
	Total Aluminum	2.0	XXX
	Total Copper	0.015	XXX
	Total Iron	4.7	1.5
	Total Lead	0.011	XXX
	Total Zinc	0.07	XXX
	Total Manganese	0.62	XXX