Pennsylvania Department of Environmental Protection

Northwest Regional Office
CLEAN WATER PROGRAM

| | | | |
|---|---|---|---|
| Application Type | **New** | Application No. | **PA0295175** |
| Facility Type | **Industrial** | APS ID | **1092697** |
| Major / Minor | **Minor** | Authorization ID | **1447033** |

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

## Applicant and Facility Information

| | | | |
|---|---|---|---|
| Applicant Name | **A.C. Coach Operations Inc.** | Facility Name | **Anderson Coach & Travel** |
| Applicant Address | 1 Anderson Plaza | Facility Address | 1 Anderson Plaza |
| | Greenville, PA 16125-9443 | | Greenville, PA 16125-9443 |
| Applicant Contact | Douglas Anderson | Facility Contact | Douglas Anderson |
| Applicant Phone | (724) 588-8310 | Facility Phone | (724) 588-8310 |
| Client ID | 201739 | Site ID | 582447 |
| SIC Code | 4142 | Municipality | Sugar Grove Township |
| SIC Description | Trans. & Utilities - Bus Charter Service, Except Local | County | Mercer |
| Date Application Received | March 24, 2023 | EPA Waived? | Yes |
| Date Application Accepted | March 24, 2023 | If No, Reason | |
| Purpose of Application | NPDES Permit Renewal. | | |

## Summary of Review

A.C. Coach Operations Inc. (AC Coach) has applied to the Pennsylvania Department of Environmental Protection (DEP) for reissuance of its NPDES permit. AC Coach was previously authorized under NPDES PAG-03 General Permit to discharge stormwater associated with industrial activities (PAR808307; the coverage was last reissued on May 8, 2012). AC Coach has also submitted an individual NPDES IW permit for vehicle wash water discharge. DEP has determined to incorporate the existing stormwater into an individual NPDES IW permit to cover both stormwater and vehicle wash water in one permit and cancel the existing PAG-03 General Permit.

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

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*<br>Jinsu Kim / Environmental Engineering Specialist | November 12, 2025 |
| X | | Adam Olesnanik<br>Adam Olesnanik, P.E. / Environmental Engineer Manager | November 13, 2025 |

**Discharge, Receiving Waters and Water Supply Information**

| | | | |
|---|---|---|---|
| Outfall No. | 001 | Design Flow (MGD) | .001 |
| Latitude | 41º 25' 45.91" | Longitude | -80º 22' 36.33" |
| Wastewater Description: | IW Process Effluent without ELG, Stormwater | | |
| Outfall No. | 002 | Design Flow (MGD) | 0 |
| Latitude | 41º 25' 59.09" | Longitude | -80º 22' 46.51" |
| Wastewater Description: | Stormwater | | |

| | | | |
|---|---|---|---|
| Receiving Waters | Unnamed Tributary to Little Shenango River (TSF) | Stream Code | 36169 (Outfall 001)<br>36170 (Outfall 002) |
| NHD Com ID | 130027508 | RMI | 0.3 (Outfall 001)<br>0.59 (Outfall 002) |
| Drainage Area | 0.13 sq.mi. (Outfall 001) | Yield (cfs/mi$^2$) | |
| $Q_{7-10}$ Flow (cfs) | 0.000622 (Outfall 001) | $Q_{7-10}$ Basis | USGS StreamStats |
| Elevation (ft) | | Slope (ft/ft) | |
| Watershed No. | 20-A | Chapter 93 Class. | TSF |
| 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 | Greenville Municipal Water Authority | | |
| PWS Waters | Shenango River | Flow at Intake (cfs) | |
| PWS RMI | | Distance from Outfall (mi) | 2.7 |

The discharge from both Outfall 001 and Outfall 002 is to unnamed tributaries to Little Shenango River; Outfall 001 to Unnamed Tributary 36169 of Little Shenango River and Outfall 002 to Unnamed Tributary 36170 of Little Shenango River. Both unnamed tributaries are currently not impaired for aquatic life uses according to DEP's latest integrated water quality report finalized in 2024.

Based on DEP's eMapPA, the nearest downstream public water supply intake is Greenville Municipal Water Authority located on Shenango River approximately 2.7 miles from these outfalls. Given the nature and distance, the discharge from the facility is not expected to significantly impact the water supply.

## Treatment Facility Summary

AC Coach is a charter bus company with associated fueling, cleaning, maintenance and storage activities at the site (SIC Codes of 4142, 4151, and 4131). The site consists of a parking lot, fueling stations, material storage area, and an office building. Fuel and Oil is stored in underground storage tanks. There are two outfalls located within the site. Outfall 001 is located at southeast of the site that receives stormwater and vehicle wash water. Outfall 002 is located at northeast of the site that receives only stormwater. Vehicle wash water is sent to an oil water separator and then collected in a sediment pond with stormwater before discharges via Outfall 001. Stormwater is sent directly to Outfall 002.

Initially, this facility was covered under an NPDES PAG-03 General Permit for stormwater discharges associated with industrial activities (PAR808307). Given that the facility only generates vehicle wash water at a rate of 0.001 MGD (0.0005 MGD in average), DEP has determined to issue an NPDES Industrial Waste Permit that would cover both wash water and stormwater.

| Compliance History | |
|---|---|
| | |
| **Summary of DMRs:** | A summary of past DMR data is presented on the next page. |
| **Summary of Inspections:** | No DEP inspection available for review at this time. |
| **Other Comments:** | Since the last PAG-03 coverage approval, the facility has not had any permit violations.<br><br>DEP's database shows there is no open violation associated with this permittee or facility. |

**Stormwater Data**

**DMR Data for Outfall 001 (from September 1, 2024 to August 31, 2025)**

| Parameter | AUG-25 | JUL-25 | JUN-25 | MAY-25 | APR-25 | MAR-25 | FEB-25 | JAN-25 | DEC-24 | NOV-24 | OCT-24 | SEP-24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TSS (mg/L) Daily Maximum | | | 12.0 | | | | | | < 5.0 | | | |
| Oil and Grease (mg/L) Daily Maximum | | | < 5.0 | | | | | | < 4.9 | | | |
| Total Nitrogen (mg/L) Daily Maximum | | | < 1.25 | | | | | | < 0.500 | | | |
| Total Phosphorus (mg/L) Daily Maximum | | | 0.151 | | | | | | < 0.0250 | | | |

**Development of Effluent Limitations**

| | | | |
|---|---|---|---|
| **Outfall No.** | 001 | **Design Flow (MGD)** | .001 |
| **Latitude** | 41º 25' 45.91" | **Longitude** | -80º 22' 36.33" |
| **Wastewater Description:** | IW Process Effluent without ELG, Stormwater | | |

| | | | |
|---|---|---|---|
| **Outfall No.** | 002 | **Design Flow (MGD)** | 0 |
| **Latitude** | 41º 25' 56.09" | **Longitude** | -80º 22' 46.51" |
| **Wastewater Description:** | Stormwater | | |

**Technology-Based Limitations**

Outfall 001 receives vehicle wash water and stormwater. Wash water or stormwater is not subject to any federal ELGs. The pH effluent limits will be included in the permit for both Outfall 001 and Outfall 002 per state effluent standards found in 25 Pa Code Chapter 95.2(1). Given the nature of wastewater, it is potentially oil-bearing wastewater; as a result, effluent standard for Oil and Grease found in 25 Pa Code Chapter 95.2(2) is also applicable (i.e., 15 mg/L average monthly and 30 mg/L instantaneous maximum) to both Outfall 001 and Outfall 002. Given the quantity (500 GPD in average; 1,000 GPD maximum) and nature of the discharge, a quarterly sample collection for pH and Oil/Grease is recommended.

**Water Quality-Based Limitations**

No WQM 7.0 model will be utilized for vehicle wash water and stormwater for CBOD5 and NH3-N as they are not pollutants of concern.

Wash water from this facility is considered industrial wastewater; therefore, a reasonable potential analysis using DEP's Toxic Management Spreadsheet (TMS) was utilized to determine appropriate permit requirements for any toxic pollutants of concern. The TMS output shows monitoring-only requirements for heavy metals such as Total Aluminum, Total Copper, Total Lead and Total Zinc. It is therefore recommended that the requirement to monitor for these pollutants will be included in the permit. Given the quantity (500 GPD in average; 1,000 GPD maximum) and the fact that a sediment pond is available for additional settlement, a quarterly monitoring is recommended.

A reasonable potential analysis has not performed for stormwater as flow is controlled based on the amount of precipitation and a number of rain events. In general, DEP establishes, using BPJ, the monitoring requirements specified in the NPDES PAG-03 Industrial Stormwater General Permit when there is no applicable ELG for stormwater associated with such industrial activities. Based on the facility's SIC codes of 4142, 4151, 4131, Appendix L of PAG-03 General Permit is applicable this facility. Accordingly, Specific Best Management Practices and Monitoring Requirements for Appendix L of PAG-03 General Permit will apply to these outfalls. The current Appendix L includes monitoring of Total Nitrogen, Total Phosphorus, Total Suspended Solids, and Oil and Grease with a semi-annual monitoring requirement and benchmark values of 100 mg/L for TSS and 30 mg/L for Oil and Grease. Since effluent standards for Oil and Grease will be included in the permit, no further monitoring requirement will be included in the permit.

**Other Considerations**

*Flow Monitoring*
Flow monitoring will be required by 25 PA Code §§ 92a.27 and 92a.61.

*Chemical Additive*
The application does not list a chemical additive.

*PFAS Monitoring*
DEP has consistently developed PFAS monitoring requirements in NPDES permits for those industrial waste facilities generating process wastewater. Given the nature of wastewater generated from this facility, they are not considered process wastewater; therefore, no PFAS monitoring requirement will be included in the permit.

*Class A Wild Trout Streams*
No Class A Wild Trout Fishery is impacted by this discharge.

## 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 Quarterly | Daily Maximum | Instant. Maximum | | |
| pH (S.U.) | XXX | XXX | 6.0 Daily Min | XXX | XXX | 9.0 | 1/quarter | Grab |
| Oil and Grease | XXX | XXX | XXX | 15.0 | XXX | 30.0 | 1/quarter | Grab |
| Total Aluminum | XXX | XXX | XXX | Report | Report | XXX | 1/quarter | Grab |
| Total Copper | XXX | XXX | XXX | Report | Report | XXX | 1/quarter | Grab |
| Total Lead | XXX | XXX | XXX | Report | Report | XXX | 1/quarter | Grab |
| Total Zinc | XXX | XXX | XXX | Report | Report | XXX | 1/quarter | Grab |
| TSS | XXX | XXX | XXX | XXX | Report | XXX | 1/6 months | Grab |
| Total Nitrogen | XXX | XXX | XXX | XXX | Report | XXX | 1/6 months | Calculation |
| Total Phosphorus | 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.

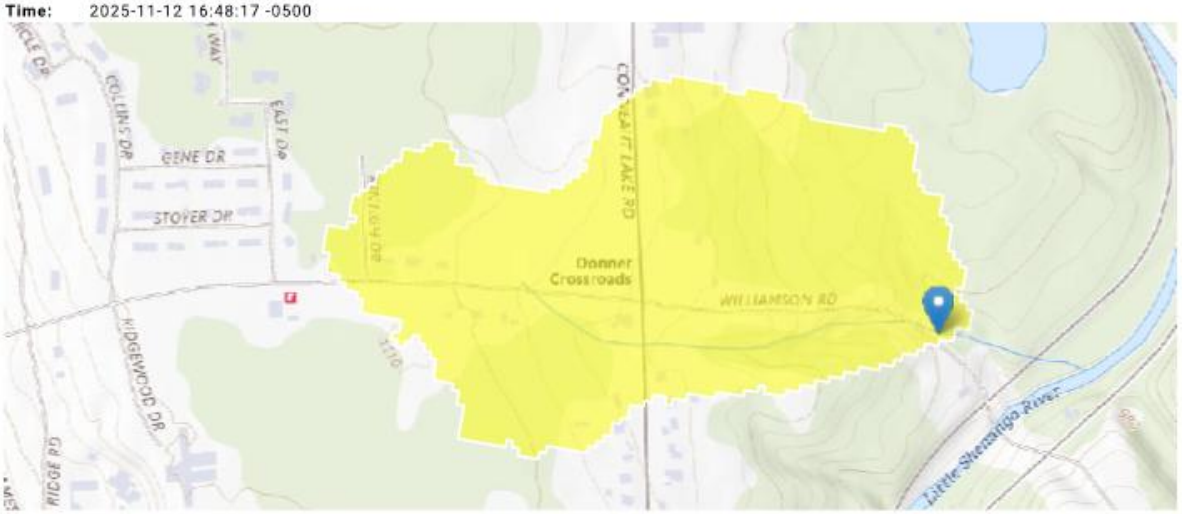
**Outfall 002, Effective Period: Permit Effective Date through Permit Expiration Date**.

| 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 | 6.0 Daily Min | XXX | XXX | 9.0 | 1/6 months | Grab |
| Oil and Grease | XXX | XXX | XXX | 15.0 Semi-Annual Average | XXX | 30.0 | 1/6 months | Grab |
| TSS | XXX | XXX | XXX | XXX | Report | XXX | 1/6 months | Grab |
| Total Nitrogen | XXX | XXX | XXX | XXX | Report | XXX | 1/6 months | Calculation |
| Total Phosphorus | 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:** PA20251112214756238000
**Clicked Point (Latitude, Longitude):** 41.42717, -80.37501
**Time:** 2025-11-12 16:48:17 -0500




Collapse All

### Basin Characteristics

| Parameter Code | Parameter Description | Value | Unit |
|---|---|---|---|
| DRNAREA | Area that drains to a point on a stream | 0.13 | square miles |
| ELEV | Mean Basin Elevation | 1069 | 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 | 0.13 | square miles | 2.26 | 1400 |
| ELEV | Mean Basin Elevation | 1069 | 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 | 0.0025 | ft^3/s |
| 30 Day 2 Year Low Flow | 0.00526 | ft^3/s |

| Statistic | Value | Unit |
|---|---|---|
| 7 Day 10 Year Low Flow | 0.000622 | ft^3/s |
| 30 Day 10 Year Low Flow | 0.00154 | ft^3/s |
| 90 Day 10 Year Low Flow | 0.00338 | 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: 4.29.3
StreamStats Services Version: 1.2.22
NSS Services Version: 2.2.1

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Toxics Management Spreadsheet
Version 1.4, May 2025

# Discharge Information

Instructions | Discharge | Stream

Facility: AC Coach | NPDES Permit No.: PA0295175 | Outfall No.: 001

Evaluation Type: Major Sewage / Industrial Waste | Wastewater Description: Vehicle Wash Water

| Discharge Characteristics | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Design Flow (MGD)* | Hardness (mg/l)* | pH (SU)* | Partial Mix Factors (PMFs) | | | | Complete Mix Times (min) | |
| | | | AFC | CFC | THH | CRL | $Q_{7-10}$ | $Q_h$ |
| 0.001 | 108 | 7 | | | | | | |

| | | | | | 0 if left blank | | 0.5 if left blank | | 0 if left blank | | | 1 if left blank | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Discharge Pollutant | Units | Max Discharge Conc | | Trib Conc | Stream Conc | Daily CV | Hourly CV | Stream CV | Fate Coeff | FOS | Criteria Mod | Chem Transl |
| Group 1 | Total Dissolved Solids (PWS) | mg/L | | 242 | | | | | | | | | |
| | Chloride (PWS) | mg/L | | | | | | | | | | | |
| | Bromide | mg/L | < | 1 | | | | | | | | | |
| | Sulfate (PWS) | mg/L | | 11.4 | | | | | | | | | |
| | Fluoride (PWS) | mg/L | | 0.16 | | | | | | | | | |
| Group 2 | Total Aluminum | µg/L | | 290 | | | | | | | | | |
| | Total Antimony | µg/L | < | 2 | | | | | | | | | |
| | Total Arsenic | µg/L | < | 1.6 | | | | | | | | | |
| | Total Barium | µg/L | | 39 | | | | | | | | | |
| | Total Beryllium | µg/L | < | 2 | | | | | | | | | |
| | Total Boron | µg/L | | 31 | | | | | | | | | |
| | Total Cadmium | µg/L | < | 0.2 | | | | | | | | | |
| | Total Chromium (III) | µg/L | | 2 | | | | | | | | | |
| | Hexavalent Chromium | µg/L | | 0.46 | | | | | | | | | |
| | Total Cobalt | µg/L | | 1.1 | | | | | | | | | |
| | Total Copper | µg/L | | 6.3 | | | | | | | | | |
| | Free Cyanide | µg/L | | | | | | | | | | | |
| | Total Cyanide | µg/L | | 3.3 | | | | | | | | | |
| | Dissolved Iron | µg/L | | 0.52 | | | | | | | | | |
| | Total Iron | µg/L | | 1.3 | | | | | | | | | |
| | Total Lead | µg/L | < | 1.1 | | | | | | | | | |
| | Total Manganese | µg/L | | 5 | | | | | | | | | |
| | Total Mercury | µg/L | < | 0.2 | | | | | | | | | |
| | Total Nickel | µg/L | | 3.6 | | | | | | | | | |
| | Total Phenols (Phenolics) (PWS) | µg/L | < | 5 | | | | | | | | | |
| | Total Selenium | µg/L | < | 3.8 | | | | | | | | | |
| | Total Silver | µg/L | < | 0.4 | | | | | | | | | |
| | Total Thallium | µg/L | < | 1.5 | | | | | | | | | |
| | Total Zinc | µg/L | | 35 | | | | | | | | | |
| | Total Molybdenum | µg/L | < | 10 | | | | | | | | | |
| | Acrolein | µg/L | < | | | | | | | | | | |
| | Acrylamide | µg/L | < | | | | | | | | | | |
| | Acrylonitrile | µg/L | < | | | | | | | | | | |
| | Benzene | µg/L | < | | | | | | | | | | |
| | Bromoform | µg/L | < | | | | | | | | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Group 3 | Carbon Tetrachloride | µg/L | < | | | | | | | | | | |
| | Chlorobenzene | µg/L | | | | | | | | | | | |
| | Chlorodibromomethane | µg/L | < | | | | | | | | | | |
| | Chloroethane | µg/L | < | | | | | | | | | | |
| | 2-Chloroethyl Vinyl Ether | µg/L | < | | | | | | | | | | |
| | Chloroform | µg/L | < | | | | | | | | | | |
| | Dichlorobromomethane | µg/L | < | | | | | | | | | | |
| | 1,1-Dichloroethane | µg/L | < | | | | | | | | | | |
| | 1,2-Dichloroethane | µg/L | < | | | | | | | | | | |
| | 1,1-Dichloroethylene | µg/L | < | | | | | | | | | | |
| | 1,2-Dichloropropane | µg/L | < | | | | | | | | | | |
| | 1,3-Dichloropropylene | µg/L | < | | | | | | | | | | |
| | 1,4-Dioxane | µg/L | < | | | | | | | | | | |
| | Ethylbenzene | µg/L | < | | | | | | | | | | |
| | Methyl Bromide | µg/L | < | | | | | | | | | | |
| | Methyl Chloride | µg/L | < | | | | | | | | | | |
| | Methylene Chloride | µg/L | < | | | | | | | | | | |
| | 1,1,2,2-Tetrachloroethane | µg/L | < | | | | | | | | | | |
| | Tetrachloroethylene | µg/L | < | | | | | | | | | | |
| | Toluene | µg/L | < | | | | | | | | | | |
| | 1,2-trans-Dichloroethylene | µg/L | < | | | | | | | | | | |
| | 1,1,1-Trichloroethane | µg/L | < | | | | | | | | | | |
| | 1,1,2-Trichloroethane | µg/L | < | | | | | | | | | | |
| | Trichloroethylene | µg/L | < | | | | | | | | | | |
| | Vinyl Chloride | µg/L | < | | | | | | | | | | |
| Group 4 | 2-Chlorophenol | µg/L | < | | | | | | | | | | |
| | 2,4-Dichlorophenol | µg/L | < | | | | | | | | | | |
| | 2,4-Dimethylphenol | µg/L | < | | | | | | | | | | |
| | 4,6-Dinitro-o-Cresol | µg/L | < | | | | | | | | | | |
| | 2,4-Dinitrophenol | µg/L | < | | | | | | | | | | |
| | 2-Nitrophenol | µg/L | < | | | | | | | | | | |
| | 4-Nitrophenol | µg/L | < | | | | | | | | | | |
| | p-Chloro-m-Cresol | µg/L | < | | | | | | | | | | |
| | Pentachlorophenol | µg/L | < | | | | | | | | | | |
| | Phenol | µg/L | < | | | | | | | | | | |
| | 2,4,6-Trichlorophenol | µg/L | < | | | | | | | | | | |
| Group 5 | Acenaphthene | µg/L | < | | | | | | | | | | |
| | Acenaphthylene | µg/L | < | | | | | | | | | | |
| | Anthracene | µg/L | < | | | | | | | | | | |
| | Benzidine | µg/L | < | | | | | | | | | | |
| | Benzo(a)Anthracene | µg/L | < | | | | | | | | | | |
| | Benzo(a)Pyrene | µg/L | < | | | | | | | | | | |
| | 3,4-Benzofluoranthene | µg/L | < | | | | | | | | | | |
| | Benzo(ghi)Perylene | µg/L | < | | | | | | | | | | |
| | Benzo(k)Fluoranthene | µg/L | < | | | | | | | | | | |
| | Bis(2-Chloroethoxy)Methane | µg/L | < | | | | | | | | | | |
| | Bis(2-Chloroethyl)Ether | µg/L | < | | | | | | | | | | |
| | Bis(2-Chloroisopropyl)Ether | µg/L | < | | | | | | | | | | |
| | Bis(2-Ethylhexyl)Phthalate | µg/L | < | | | | | | | | | | |
| | 4-Bromophenyl Phenyl Ether | µg/L | < | | | | | | | | | | |
| | Butyl Benzyl Phthalate | µg/L | < | | | | | | | | | | |
| | 2-Chloronaphthalene | µg/L | < | | | | | | | | | | |
| | 4-Chlorophenyl Phenyl Ether | µg/L | < | | | | | | | | | | |
| | Chrysene | µg/L | < | | | | | | | | | | |
| | Dibenzo(a,h)Anthrancene | µg/L | < | | | | | | | | | | |
| | 1,2-Dichlorobenzene | µg/L | < | | | | | | | | | | |
| | 1,3-Dichlorobenzene | µg/L | < | | | | | | | | | | |
| | 1,4-Dichlorobenzene | µg/L | < | | | | | | | | | | |
| | 3,3-Dichlorobenzidine | µg/L | < | | | | | | | | | | |
| | Diethyl Phthalate | µg/L | < | | | | | | | | | | |
| | Dimethyl Phthalate | µg/L | < | | | | | | | | | | |
| | Di-n-Butyl Phthalate | µg/L | < | | | | | | | | | | |
| | 2,4-Dinitrotoluene | µg/L | < | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2,6-Dinitrotoluene | µg/L | < | | | | | | | | | | | |
| | Di-n-Octyl Phthalate | µg/L | < | | | | | | | | | | | |
| | 1,2-Diphenylhydrazine | µg/L | < | | | | | | | | | | | |
| | Fluoranthene | µg/L | < | | | | | | | | | | | |
| | Fluorene | µg/L | < | | | | | | | | | | | |
| | Hexachlorobenzene | µg/L | < | | | | | | | | | | | |
| | Hexachlorobutadiene | µg/L | < | | | | | | | | | | | |
| | Hexachlorocyclopentadiene | µg/L | < | | | | | | | | | | | |
| | Hexachloroethane | µg/L | < | | | | | | | | | | | |
| | Indeno(1,2,3-cd)Pyrene | µg/L | < | | | | | | | | | | | |
| | Isophorone | µg/L | < | | | | | | | | | | | |
| | Naphthalene | µg/L | < | | | | | | | | | | | |
| | Nitrobenzene | µg/L | < | | | | | | | | | | | |
| | n-Nitrosodimethylamine | µg/L | < | | | | | | | | | | | |
| | n-Nitrosodi-n-Propylamine | µg/L | < | | | | | | | | | | | |
| | n-Nitrosodiphenylamine | µg/L | < | | | | | | | | | | | |
| | Phenanthrene | µg/L | < | | | | | | | | | | | |
| | Pyrene | µg/L | < | | | | | | | | | | | |
| | 1,2,4-Trichlorobenzene | µg/L | < | | | | | | | | | | | |
| Group 6 | Aldrin | µg/L | < | | | | | | | | | | | |
| | alpha-BHC | µg/L | < | | | | | | | | | | | |
| | beta-BHC | µg/L | < | | | | | | | | | | | |
| | gamma-BHC | µg/L | < | | | | | | | | | | | |
| | delta BHC | µg/L | < | | | | | | | | | | | |
| | Chlordane | µg/L | < | | | | | | | | | | | |
| | 4,4-DDT | µg/L | < | | | | | | | | | | | |
| | 4,4-DDE | µg/L | < | | | | | | | | | | | |
| | 4,4-DDD | µg/L | < | | | | | | | | | | | |
| | Dieldrin | µg/L | < | | | | | | | | | | | |
| | alpha-Endosulfan | µg/L | < | | | | | | | | | | | |
| | beta-Endosulfan | µg/L | < | | | | | | | | | | | |
| | Endosulfan Sulfate | µg/L | < | | | | | | | | | | | |
| | Endrin | µg/L | < | | | | | | | | | | | |
| | Endrin Aldehyde | µg/L | < | | | | | | | | | | | |
| | Heptachlor | µg/L | < | | | | | | | | | | | |
| | Heptachlor Epoxide | µg/L | < | | | | | | | | | | | |
| | PCB-1016 | µg/L | < | | | | | | | | | | | |
| | PCB-1221 | µg/L | < | | | | | | | | | | | |
| | PCB-1232 | µg/L | < | | | | | | | | | | | |
| | PCB-1242 | µg/L | < | | | | | | | | | | | |
| | PCB-1248 | µg/L | < | | | | | | | | | | | |
| | PCB-1254 | µg/L | < | | | | | | | | | | | |
| | PCB-1260 | µg/L | < | | | | | | | | | | | |
| | PCBs, Total | µg/L | < | | | | | | | | | | | |
| | Toxaphene | µg/L | < | | | | | | | | | | | |
| | 2,3,7,8-TCDD | ng/L | < | | | | | | | | | | | |
| Group 7 | Gross Alpha | pCi/L | | | | | | | | | | | | |
| | Total Beta | pCi/L | < | | | | | | | | | | | |
| | Radium 226/228 | pCi/L | < | | | | | | | | | | | |
| | Total Strontium | µg/L | < | | | | | | | | | | | |
| | Total Uranium | µg/L | < | | | | | | | | | | | |
| | Osmotic Pressure | mOs/kg | | | | | | | | | | | | |
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pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Toxics Management Spreadsheet
Version 1.4, May 2025

# Stream / Surface Water Information

**AC Coach, NPDES Permit No. PA0295175, Outfall 001**

Instructions | Discharge | *Stream*

Receiving Surface Water Name: **Unnamed Tributary of Shenango River**

No. Reaches to Model: **1**

- (●) Statewide Criteria
- ( ) Great Lakes Criteria
- ( ) ORSANCO Criteria

| Location | Stream Code* | RMI* | Elevation (ft)* | DA (mi²)* | Slope (ft/ft) | PWS Withdrawal (MGD) | Apply Fish Criteria* |
|---|---|---|---|---|---|---|---|
| Point of Discharge | 036169 | 0.3 | 1086 | 0.13 | | | Yes |
| End of Reach 1 | 036169 | 0 | 1067 | 0.35 | | | Yes |

$Q_{7\text{-}10}$

| Location | RMI | LFY (cfs/mi²)* | Flow (cfs) | | W/D Ratio | Width (ft) | Depth (ft) | Velocity (fps) | Travel Time (days) | Tributary | | Stream | | Analysis | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Stream | Tributary | | | | | | Hardness | pH | Hardness* | pH* | Hardness | pH |
| Point of Discharge | 0.3 | 0.1 | 0.000622 | | | | | | | | | 100 | 7 | | |
| End of Reach 1 | 0 | 0.1 | 0.00211 | | | | | | | | | | | | |

$Q_h$

| Location | RMI | LFY (cfs/mi²) | Flow (cfs) | | W/D Ratio | Width (ft) | Depth (ft) | Velocity (fps) | Travel Time (days) | Tributary | | Stream | | Analysis | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Stream | Tributary | | | | | | Hardness | pH | Hardness | pH | Hardness | pH |
| Point of Discharge | 0.3 | | | | | | | | | | | | | | |
| End of Reach 1 | 0 | | | | | | | | | | | | | | |

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Toxics Management Spreadsheet
Version 1.4, May 2025

# Model Results

**AC Coach, NPDES Permit No. PA0295175, Outfall 001**

Instructions | Results | RETURN TO INPUTS | SAVE AS PDF | PRINT | (•) All ( ) Inputs ( ) Results ( ) Limits

☐ ***Hydrodynamics***

☑ ***Wasteload Allocations***

☑ ***AFC*** CCT (min): 0.013 PMF: 1 Analysis Hardness (mg/l): 105.71 Analysis pH: 7.00

| Pollutants | Stream Conc (µg/L) | Stream CV | Trib Conc (µg/L) | Fate Coef | WQC (µg/L) | WQ Obj (µg/L) | WLA (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Sulfate (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Fluoride (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Aluminum | 0 | 0 | | 0 | 750 | 750 | 1,052 | |
| Total Antimony | 0 | 0 | | 0 | 1,100 | 1,100 | 1,542 | |
| Total Arsenic | 0 | 0 | | 0 | 340 | 340 | 477 | Chem Translator of 1 applied |
| Total Barium | 0 | 0 | | 0 | 21,000 | 21,000 | 29,443 | |
| Total Boron | 0 | 0 | | 0 | 8,100 | 8,100 | 11,357 | |
| Total Cadmium | 0 | 0 | | 0 | 2.125 | 2.26 | 3.16 | Chem Translator of 0.942 applied |
| Total Chromium (III) | 0 | 0 | | 0 | 596.255 | 1,887 | 2,646 | Chem Translator of 0.316 applied |
| Hexavalent Chromium | 0 | 0 | | 0 | 16 | 16.3 | 22.8 | Chem Translator of 0.982 applied |
| Total Cobalt | 0 | 0 | | 0 | 95 | 95.0 | 133 | |
| Total Copper | 0 | 0 | | 0 | 14.160 | 14.8 | 20.7 | Chem Translator of 0.96 applied |
| Dissolved Iron | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Iron | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Lead | 0 | 0 | | 0 | 68.600 | 87.6 | 123 | Chem Translator of 0.783 applied |
| Total Manganese | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Mercury | 0 | 0 | | 0 | 1.400 | 1.65 | 2.31 | Chem Translator of 0.85 applied |
| Total Nickel | 0 | 0 | | 0 | 490.741 | 492 | 689 | Chem Translator of 0.998 applied |
| Total Phenols (Phenolics) (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Selenium | 0 | 0 | | 0 | N/A | N/A | N/A | Chem Translator of 0.922 applied |
| Total Silver | 0 | 0 | | 0 | 3.539 | 4.16 | 5.84 | Chem Translator of 0.85 applied |
| Total Thallium | 0 | 0 | | 0 | 65 | 65.0 | 91.1 | |
| Total Zinc | 0 | 0 | | 0 | 122.821 | 126 | 176 | Chem Translator of 0.978 applied |

☑ ***CFC*** CCT (min): 0.013 PMF: 1 Analysis Hardness (mg/l): 105.71 Analysis pH: 7.00

| Pollutants | Stream Conc (µg/L) | Stream CV | Trib Conc (µg/L) | Fate Coef | WQC (µg/L) | WQ Obj (µg/L) | WLA (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Sulfate (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Fluoride (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Aluminum | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Antimony | 0 | 0 | | 0 | 220 | 220 | 308 | |
| Total Arsenic | 0 | 0 | | 0 | 150 | 150 | 210 | Chem Translator of 1 applied |
| Total Barium | 0 | 0 | | 0 | 4,100 | 4,100 | 5,748 | |
| Total Boron | 0 | 0 | | 0 | 1,600 | 1,600 | 2,243 | |
| Total Cadmium | 0 | 0 | | 0 | 0.256 | 0.28 | 0.4 | Chem Translator of 0.907 applied |
| Total Chromium (III) | 0 | 0 | | 0 | 77.560 | 90.2 | 126 | Chem Translator of 0.86 applied |
| Hexavalent Chromium | 0 | 0 | | 0 | 10 | 10.4 | 14.6 | Chem Translator of 0.962 applied |
| Total Cobalt | 0 | 0 | | 0 | 19 | 19.0 | 26.6 | |
| Total Copper | 0 | 0 | | 0 | 9.391 | 9.78 | 13.7 | Chem Translator of 0.96 applied |
| Dissolved Iron | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Iron | 0 | 0 | | 0 | 1,500 | 1,500 | 2,103 | WQC = 30 day average; PMF = 1 |
| Total Lead | 0 | 0 | | 0 | 2.673 | 3.41 | 4.79 | Chem Translator of 0.783 applied |
| Total Manganese | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Mercury | 0 | 0 | | 0 | 0.770 | 0.91 | 1.27 | Chem Translator of 0.85 applied |
| Total Nickel | 0 | 0 | | 0 | 54.506 | 54.7 | 76.7 | Chem Translator of 0.997 applied |
| Total Phenols (Phenolics) (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Selenium | 0 | 0 | | 0 | 4.600 | 4.99 | 7.0 | Chem Translator of 0.922 applied |
| Total Silver | 0 | 0 | | 0 | N/A | N/A | N/A | Chem Translator of 1 applied |
| Total Thallium | 0 | 0 | | 0 | 13 | 13.0 | 18.2 | |
| Total Zinc | 0 | 0 | | 0 | 123.826 | 126 | 176 | Chem Translator of 0.986 applied |

☑ ***THH*** CCT (min): 0.013 PMF: 1 Analysis Hardness (mg/l): N/A Analysis pH: N/A

| Pollutants | Stream Conc (µg/L) | Stream CV | Trib Conc (µg/L) | Fate Coef | WQC (µg/L) | WQ Obj (µg/L) | WLA (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (PWS) | 0 | 0 | | 0 | 500,000 | 500,000 | N/A | |
| Sulfate (PWS) | 0 | 0 | | 0 | 250,000 | 250,000 | N/A | |
| Fluoride (PWS) | 0 | 0 | | 0 | 2,000 | 2,000 | N/A | |
| Total Aluminum | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Antimony | 0 | 0 | | 0 | 5.6 | 5.6 | 7.85 | |
| Total Arsenic | 0 | 0 | | 0 | 10 | 10.0 | 14.0 | |
| Total Barium | 0 | 0 | | 0 | 2,400 | 2,400 | 3,365 | |
| Total Boron | 0 | 0 | | 0 | 3,100 | 3,100 | 4,346 | |
| Total Cadmium | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Chromium (III) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Hexavalent Chromium | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Cobalt | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Copper | 0 | 0 | | 0 | N/A | N/A | N/A | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Dissolved Iron | 0 | 0 | | 0 | 300 | 300 | 421 | |
| Total Iron | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Lead | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Manganese | 0 | 0 | | 0 | 1,000 | 1,000 | 1,402 | |
| Total Mercury | 0 | 0 | | 0 | 0.050 | 0.05 | 0.07 | |
| Total Nickel | 0 | 0 | | 0 | 610 | 610 | 855 | |
| Total Phenols (Phenolics) (PWS) | 0 | 0 | | 0 | 5 | 5.0 | N/A | |
| Total Selenium | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Silver | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Thallium | 0 | 0 | | 0 | 0.24 | 0.24 | 0.34 | |
| Total Zinc | 0 | 0 | | 0 | N/A | N/A | N/A | |

☑ ***CRL*** CCT (min): 0.036 PMF: 1 Analysis Hardness (mg/l): N/A Analysis pH: N/A

| Pollutants | Stream Conc (µg/L) | Stream CV | Trib Conc (µg/L) | Fate Coef | WQC (µg/L) | WQ Obj (µg/L) | WLA (µg/L) | Comments |
|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Sulfate (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Fluoride (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Aluminum | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Antimony | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Arsenic | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Barium | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Boron | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Cadmium | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Chromium (III) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Hexavalent Chromium | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Cobalt | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Copper | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Dissolved Iron | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Iron | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Lead | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Manganese | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Mercury | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Nickel | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Phenols (Phenolics) (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Selenium | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Silver | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Thallium | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Zinc | 0 | 0 | | 0 | N/A | N/A | N/A | |

☑ ***Recommended WQBELs & Monitoring Requirements***

**No. Samples/Month:** 4

| | Mass Limits | | Concentration Limits | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Pollutants | AML (lbs/day) | MDL (lbs/day) | AML | MDL | IMAX | Units | Governing WQBEL | WQBEL Basis | Comments |
| Total Aluminum | Report | Report | Report | Report | Report | µg/L | 750 | AFC | Discharge Conc > 10% WQBEL (no RP) |
| Total Copper | Report | Report | Report | Report | Report | µg/L | 13.7 | CFC | Discharge Conc > 10% WQBEL (no RP) |
| Total Lead | Report | Report | Report | Report | Report | µg/L | 4.79 | CFC | Discharge Conc > 10% WQBEL (no RP) |
| Total Zinc | Report | Report | Report | Report | Report | µg/L | 126 | AFC | Discharge Conc > 10% WQBEL (no RP) |
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☑ ***Other Pollutants without Limits or Monitoring***

The following pollutants do not require effluent limits or monitoring based on water quality because reasonable potential to exceed water quality criteria was not determined and the discharge concentration was less than thresholds for monitoring, or the pollutant was not detected and a sufficiently sensitive analytical method was used (e.g., <= Target QL).

| Pollutants | Governing WQBEL | Units | Comments |
|---|---|---|---|
| Total Dissolved Solids (PWS) | N/A | N/A | PWS Not Applicable |
| Bromide | N/A | N/A | No WQS |
| Sulfate (PWS) | N/A | N/A | PWS Not Applicable |
| Fluoride (PWS) | N/A | N/A | PWS Not Applicable |
| Total Antimony | N/A | N/A | Discharge Conc < TQL |
| Total Arsenic | N/A | N/A | Discharge Conc < TQL |
| Total Barium | 3,365 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Beryllium | N/A | N/A | No WQS |
| Total Boron | 2,243 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Cadmium | 0.4 | µg/L | Discharge Conc < TQL |
| Total Chromium (III) | 126 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Hexavalent Chromium | 14.6 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Cobalt | 26.6 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Cyanide | N/A | N/A | No WQS |
| Dissolved Iron | 421 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Iron | 2,103 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Manganese | 1,402 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Mercury | 0.07 | µg/L | Discharge Conc < TQL |
| Total Nickel | 76.7 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Phenols (Phenolics) (PWS) | | µg/L | Discharge Conc < TQL |
| Total Selenium | 7.0 | µg/L | Discharge Conc < TQL |
| Total Silver | 4.16 | µg/L | Discharge Conc < TQL |

| | | | |
|---|---|---|---|
| Total Thallium | 0.34 | µg/L | Discharge Conc < TQL |
| Total Molybdenum | N/A | N/A | No WQS |