Pennsylvania Department of Environmental Protection

Southwest Regional Office
CLEAN WATER PROGRAM

| | | | |
|---|---|---|---|
| Application Type | **Renewal** | Application No. | **PA0034819** |
| Facility Type | **Storm Water** | APS ID | **1149949** |
| Major / Minor | **Minor** | Authorization ID | **1548307** |

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

## Applicant and Facility Information

| | | | |
|---|---|---|---|
| Applicant Name | **AMETEK Corporation** | Facility Name | **AMETEK Corporation – Specialty Metal Products Division** |
| Applicant Address | 1085 Route 519<br>Eighty Four, PA 15330-2813 | Facility Address | 1085 Route 519<br>Eighty Four, PA 15330-2813 |
| Applicant Contact | Dave Kraemer | Facility Contact | Same as applicant |
| Applicant Phone | 724-250-5178 | Facility Phone | Same as applicant |
| Applicant email | dave.kraemer@ametek.com | Facility email | Same as applicant |
| Client ID | 65476 | Site ID | 271604 |
| SIC Code | 3399 | Municipality | North Strabane Township |
| SIC Description | Manufacturing - Primary Metal Products, Nec | County | Washington |
| Date Application Received | October 31, 2025 | EPA Waived? | Yes |
| Date Application Accepted | | If No, Reason | |

Purpose of Application: Renewal NPDES Permit Coverage

## Summary of Review

On October 31, 2025, on behalf of AMETEK Corporation, Novel Geo-Environmental, LLC, submitted an application to renew the NPDES Permit PA0034819. The Facility has two SIC Codes of 3399 (Primary metal products) and 3499 (Fabricated metal products, NEC). Operations at the AMETEK EF facility consist of the following processes:

- **Powdered Metals:** The metals or alloys (i.e., nickel, cobalt, chromium, iron, and copper) are melted and then water atomized into a conical product collection package. The recovered material is subsequently dried, screened, and packaged. The effluent from the product collection tanks is discharged into a 5,000 gallon tank for further recovery of the powder. The material from these tanks is used as product or recycled. The effluent from the 5,000 gallon tank is discharged into a 30,000 gallon settling tank. The settling tank is dredged approximately once per year and the sludge of mixed metal is recovered. The effluent from the 30,000 gallon tank may contain soluble copper and/or nickel. Therefore, the effluent is diverted to the wastewater treatment system. The wastewater treatment system is designed to only handle process wastewater, not sanitary waste.

- **Clad Steel:** Process entails sheets or plates of metal welded together to create one layered sheet/plate. The resultant product is sent elsewhere for further processing. There is no effluent from this process.

- **Stainless Steel Flake:** Process consists of making stainless steel flake using a –325 mesh as the parameter for finished flake product. The material is processed through a series of ball mills, centrifuges, and screens. Mineral spirits is used throughout the process, however, the used mineral spirits is reclaimed and reused. Spent mineral spirits that cannot be used due to quality purposes is sent to an EPA permitted Treatment, Storage, and Disposal facility. Once

| Approve | Deny | Signatures | Date |
|---|---|---|---|
| X | | Angela Rohrer / Environmental Engineering Specialist | December 17, 2025 |
| X | | Michael E. Fifth, P.E. / Environmental Engineer Manager | December 17, 2025 |

**Summary of Review**

through the final screening process, the stainless steel flake material is packaged for shipment. It is important to note that there is no discharge to the facility's wastewater treatment system.

As of November 21, 2017, the facility has connected to the Canonsburg-Houston Joint Authority's sewer system for discharge of all the industrial wastewaters and sewage.

The facility was most recently inspected by Lisa Milsop on November 8, 2022, with no violations noted, although several recommendations were provided.

- Please use the Annual Stormwater Inspection Report issued with the current permit.
- Please add information concerning contract clean up companies that would be contacted in the event of an incident to the PPC Plan.
- Please provide secondary containment for the sludge totes stored outside or move the totes inside.
- If not already registered, please register Kroff Chemical for the field testing (pH) by submitting an "Environmental Laboratory Registration" application available at the following link: http://www.depgreenport.state.pa.us/elibrary/GetFolder?FolderID=2946
- The Annual Stormwater Inspection Report can be submitted through OnBase.

During the review of the current application, the Department followed up with the facility to verify whether these recommendations had been addressed, with the following findings:

- The facility is submitting the Annual Stormwater Report as an attachment to the DMR's, however, an outdated form continues to be used.
- Although the sludge totes have been relocated to the asphalt lot right next to the shipping dock to await pickup, secondary containment has not been provided, nor have the totes been moved indoors as recommended.

Since it appears that these recommendations have not been fully implemented, the information has been forwarded to the Operations section for verification of compliance.

The facility has no open violations.

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.

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

| | | | |
|---|---|---|---|
| Outfall No. | 001 | Design Flow (MGD) | 0 |
| Latitude | 40º 11' 52" | Longitude | -80º 08' 15" |
| Quad Name | Washington East | Quad Code | 1704 |
| Wastewater Description: | Stormwater | | |
| Receiving Waters | Little Chartiers Creek (HQ-WWF) | Stream Code | 36943 |
| NHD Com ID | 99694308 | RMI | 9.2 |
| Drainage Area | 24.3 $mi^2$ | Yield ($cfs/mi^2$) | 0.017 |
| $Q_{7-10}$ Flow (cfs) | 0.419 | $Q_{7-10}$ Basis | USGS StreamStats |
| Elevation (ft) | 999 | Slope (ft/ft) | |
| Watershed No. | 20-F | Chapter 93 Class. | HQ-WWF |
| Existing Use | | Existing Use Qualifier | |
| Exceptions to Use | | Exceptions to Criteria | |
| Assessment Status | Impaired | | |
| Cause(s) of Impairment | Pathogens | | |
| Source(s) of Impairment | Source Unknown | | |
| TMDL Status | Final | Name | Chartiers Creek |
| Nearest Downstream Public Water Supply Intake | West View Water Authority (4.0 MGD) | | |
| PWS Waters | Ohio River | Flow at Intake (cfs) | 2,365 |
| PWS RMI | 975.15 | Distance from Outfall (mi) | 38.28 |

Changes Since Last Permit Issuance:

Other Comments:

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

| | | | |
|---|---|---|---|
| Outfall No. | 002 | Design Flow (MGD) | 0 |
| Latitude | 40º 11' 56" | Longitude | -80º 08' 02" |
| Quad Name | Washington East | Quad Code | 1704 |
| Wastewater Description: | Stormwater | | |
| Receiving Waters | Unnamed Tributary of Chartiers Creek (HQ-WWF) | Stream Code | 36981 |
| NHD Com ID | 99694276 | RMI | 0.17 |
| Drainage Area | 1.31 | Yield (cfs/mi$^2$) | 0.008 |
| $Q_{7-10}$ Flow (cfs) | 0.011 | $Q_{7-10}$ Basis | USGS StreamStats |
| Elevation (ft) | 1,003 | Slope (ft/ft) | |
| Watershed No. | 20-F | Chapter 93 Class. | HQ-WWF |
| Existing Use | | Existing Use Qualifier | |
| Exceptions to Use | | Exceptions to Criteria | |
| Assessment Status | Impaired | | |
| Cause(s) of Impairment | Pathogens | | |
| Source(s) of Impairment | Source Unknown | | |
| TMDL Status | Final | Name | Chartiers Creek |
| Nearest Downstream Public Water Supply Intake | West View Water Authority (4.0 MGD) | | |
| PWS Waters | Ohio River | Flow at Intake (cfs) | 2,365 |
| PWS RMI | 975.15 | Distance from Outfall (mi) | 38.31 |

Changes Since Last Permit Issuance:

Other Comments:

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

| | | | |
|---|---|---|---|
| Outfall No. | 003 | Design Flow (MGD) | 0 |
| Latitude | 40º 11' 56" | Longitude | -80º 08' 04" |
| Quad Name | Washington East | Quad Code | 1704 |
| Wastewater Description: | Stormwater | | |
| Receiving Waters | Unnamed Tributary to Chartiers Creek (HQ-WWF) | Stream Code | 36981 |
| NHD Com ID | 99694308 | RMI | 0.13 |
| Drainage Area | 1.31 | Yield (cfs/mi$^2$) | 0.008 |
| $Q_{7-10}$ Flow (cfs) | 0.011 | $Q_{7-10}$ Basis | USGS StreamStats |
| Elevation (ft) | 998 | Slope (ft/ft) | |
| Watershed No. | 20-F | Chapter 93 Class. | HQ-WWF |
| Existing Use | | Existing Use Qualifier | |
| Exceptions to Use | | Exceptions to Criteria | |
| Assessment Status | Impaired | | |
| Cause(s) of Impairment | Pathogens | | |
| Source(s) of Impairment | Source Unknown | | |
| TMDL Status | Final | Name | Chartiers Creek |
| Nearest Downstream Public Water Supply Intake | West View Water Authority (4.0 MGD) | | |
| PWS Waters | Ohio River | Flow at Intake (cfs) | 2,365 |
| PWS RMI | 975.15 | Distance from Outfall (mi) | 38.31 |

Changes Since Last Permit Issuance:

Other Comments:

## Development of Effluent Limitations

| | | | |
|---|---|---|---|
| **Outfall No.** | 001 | **Design Flow (MGD)** | 0 |
| **Latitude** | 40º 11' 52" | **Longitude** | -80º 08' 15" |
| **Wastewater Description:** | Stormwater | | |

| | | | |
|---|---|---|---|
| **Outfall No.** | 002 | **Design Flow (MGD)** | 0 |
| **Latitude** | 40º 11' 56" | **Longitude** | -80º 08' 02" |
| **Wastewater Description:** | Stormwater | | |

| | | | |
|---|---|---|---|
| **Outfall No.** | 003 | **Design Flow (MGD)** | 0 |
| **Latitude** | 40º 11' 56" | **Longitude** | -80º 08' 04" |
| **Wastewater Description:** | Stormwater | | |

### Technology-Based Limitations

Stormwater Technology Limits

Outfalls 001, 002 and 003 will be subject to PAG-03 General Stormwater Permit conditions because it discharges stormwater associated with industrial activity. Based on the site's SIC code, the corresponding appendices that would apply to the facility are Appendix B and Appendix U of the PAG-03. The proposed monitoring requirements are shown in Tables 1 and 2 below.

**Table 2: PAG-03 Appendix (B) Monitoring Requirements**

| Parameters | Monitoring Requirements | |
|---|---|---|
| | Minimum Measurement Frequency | Sample Type |
| Total Nitrogen (mg/L) | 1/6 Months | Calculation |
| Total Phosphorus (mg/L) | 1/6 Months | Grab |
| Total Suspended Solids (TSS) (mg/L) | 1/6 Months | Grab |
| Oil and Grease (mg/L) | 1/6 Months | Grab |
| Total Aluminum (mg/L) | 1/6 Months | Grab |
| Total Zinc (mg/L) | 1/6 Months | Grab |
| Total Copper (mg/L) | 1/6 Months | Grab |
| Total Iron (mg/L) | 1/6 Months | Grab |
| Total Lead (mg/L) | 1/6 Months | Grab |

**Table 2: PAG-03 Appendix (U) Monitoring Requirements**

| Parameters | Monitoring Requirements | |
|---|---|---|
| | Minimum Measurement Frequency | Sample Type |
| Total Nitrogen (mg/L) | 1/6 Months | Calculation |
| Total Phosphorus (mg/L) | 1/6 Months | Grab |
| pH (S.U) | 1/6 Months | Grab |
| Total Suspended Solids (TSS) (mg/L) | 1/6 Months | Grab |
| Oil and Grease (mg/L) | 1/6 Months | Grab |
| Nitrate + Nitrite-Nitrogen (mg/L) | 1/6 Months | Grab |
| Total Aluminum (mg/L) | 1/6 Months | Grab |
| Total Iron (mg/L) | 1/6 Months | Grab |
| Total Zinc (mg/L) | 1/6 Months | Grab |

## Water Quality-Based Limitations

Water quality analyses are typically performed under low-flow (Q&-10) conditions. Stormwater discharges occur at variable rates and frequencies but not however during Q7-10 conditions. Since the discharges from Outfalls 001, 002 and 003 are composed entirely of stormwater, a formal water quality analysis cannot be accurately conducted. Accordingly, water quality-based effluent limitations based on water quality analyses are not proposed.

Total Maximum Daily Load (TMDL)

Discharges from AMETEK Corporation – Specialty Metal Products Division are located within the Chartiers Creek Watershed for which two TMDLs have been developed: one addressing PCBs and Chlordane, and another addressing metals (aluminum, iron and manganese).

- **TMDL for PCBs and Chlordane**: The facility does not discharge PCBs or Chlordane to the specific section of Chartiers Creek addressed by the TMDLs. As a result, the TMDL will not be applicable to the facility's stormwater discharge. Part C18 condition will be added to the permit that states, “There shall be no discharge of polychlorinated biphenyl (PCB) compounds such as those commonly used for transformer fluid at any time”.

- **TMDL for metals (aluminum, iron & manganese):** The Chartiers Creek Watershed TMDL was finalized on April 9, 2003, and regulates the discharge of aluminum, iron, and manganese primarily from abandoned mine discharges within the Chartiers Creek Watershed. Target concentrations published in the TMDL were based on established water quality criteria of 0.750 $^{mg}/_{L}$ total recoverable aluminum, 1.5 $^{mg}/_{L}$ total recoverable iron based on a 30-day average and 1.0 $^{mg}/_{L}$ total recoverable manganese. The TMDL does not include a specific wasteload allocation for AMETEK Corporation – Specialty Metal Products Division.

## Anti-Degradation

Antidegradation regulations under Chapter 93.4c(a)(l)(i) required discharges to protect the existing use of receiving waters. Chapter 93.4c(b) requires dischargers to consider non-discharge alternatives, public participation and social/economic justification when proposing new, additional or increased discharges to high quality or exceptional value streams. Existing use protection required under Chapter 93.4c(a)(l)(i) is ensured for discharges to high quality streams imposing the most stringent of technology-based, water quality based and non-degrading effluent limitations. The site and facilities currently occupied by AMETEK have been in operation and discharging industrial wastewater since approximately 1967. Little Chartiers Creek was first designated a high-quality water on October 8, 1979. Therefore, AMETEK’s stormwater discharges are not classified as a new, additional or increased discharge.

To ensure that the discharge does not degrade the stream, the no exposure benchmark values will be used as the benchmark value in the permit. These values reflect the conditions present at a well-maintained facility with little to no industrial stormwater impacts. The goal for the permittee is to be consistently below these benchmark values.

## Anti-Backsliding

Previous limits can be used pursuant to EPA’s anti-backsliding regulation, 40 CFR 122.44(l) and are displayed below in Tables 3 and 4. These limitations are currently imposed on Outfalls 001, 002 and 003.

**Table 3. Current Effluent Limitation at outfall 001**

| Parameter | Mass Units (lb/day) | | Concentrations (mg/L) | | | | Monitoring Requirements | |
|---|---|---|---|---|---|---|---|---|
| | Average Monthly | Daily Maximum | Instant Minimum | Average Monthly | Daily Maximum | Instantaneous Maximum | Sample Frequency | Sample Type |
| pH (S.U.) | - | - | - | - | Report | - | 1/6 months | Grab |
| Total Suspended Solids | - | - | - | - | Report | - | 1/6 months | Grab |
| Nitrate + Nitrite-Nitrogen | - | - | - | - | Report | - | 1/6 months | Grab |
| Total, Manganese | - | - | - | - | Report | - | 1/6 months | Grab |

| Parameter | Mass Units (lb/day) | | Concentrations (mg/L) | | | | Monitoring Requirements | |
|---|---|---|---|---|---|---|---|---|
| | Average Monthly | Daily Maximum | Instant Minimum | Average Monthly | Daily Maximum | Instantaneous Maximum | Sample Frequency | Sample Type |
| Aluminum, Total | - | - | - | - | Report | - | 1/6 months | Grab |
| Copper, Total | - | - | - | - | Report | - | 1/6 months | Grab |
| Iron, Total | - | - | - | - | Report | - | 1/6 months | Grab |
| Lead, Total | - | - | - | - | Report | - | 1/6 months | Grab |
| Zinc, Total | - | - | - | - | Report | - | 1/6 months | Grab |

**Table 4. Current Effluent Limitation at outfalls 002 and 003**

| Parameter | Mass Units (lb/day) | | Concentrations (mg/L) | | | | Monitoring Requirements | |
|---|---|---|---|---|---|---|---|---|
| | Average Monthly | Daily Maximum | Instant Minimum | Average Monthly | Daily Maximum | Instantaneous Maximum | Sample Frequency | Sample Type |
| pH (S.U.) | - | - | - | - | Report | - | 1/6 months | Grab |
| Total Suspended Solids | - | - | - | - | Report | - | 1/6 months | Grab |
| Nitrate + Nitrite-Nitrogen | - | - | - | - | Report | - | 1/6 months | Grab |
| Aluminum, Total | - | - | - | - | Report | - | 1/6 months | Grab |
| Copper, Total | - | - | - | - | Report | - | 1/6 months | Grab |
| Iron, Total | - | - | - | - | Report | - | 1/6 months | Grab |
| Lead, Total | - | - | - | - | Report | - | 1/6 months | Grab |
| Zinc, Total | - | - | - | - | Report | - | 1/6 months | Grab |

**Proposed Monitoring Requirements**

Outfalls 001, 002 and 003 will be subject to the semi-annual monitoring requirements in Appendices B and U of the PAG-03 General Permit. The proposed effluent monitoring requirements are displayed in Table 4 below. A Part C condition is included in the Draft Permit requiring development and submission of a Corrective Action Plan whenever there is one or more consecutive exceedances of the benchmark values, which are also included in the Part C condition. The benchmark values are also displayed below in Tables 5 and 6. These values are not effluent limitations, an exceedance of the benchmark value is not a violation. Benchmark monitoring is a feedback tool, along with routine inspections and visual assessments, for assessing the effectiveness of stormwater controls and BMPs. An exceedance of the benchmark provides permittees with an indication that the facility's controls may not be sufficiently controlling pollutants in stormwater.

As established in the previous permit, the benchmark values for the No Exposure Certification were chosen as the monitoring requirement benchmark, since the discharge is into the Little Chartiers Creek and a UNT to Chartiers Creek, which are classified as a High Quality – Warm Water Fishes (HQ-WWF).

**Table 5: Proposed Monitoring Requirements for outfall 001**

| Parameter | Concentrations (mg/L) | | | | Benchmark Value (mg/L) | Monitoring Requirements | |
|---|---|---|---|---|---|---|---|
| | Instant Minimum | Average Monthly | Daily Maximum | Instantaneous Maximum | | Sample Frequency | Sample Type |
| pH (S.U.) | - | - | Report | - | 9.0 | 1/6 months | Grab |
| Total Nitrogen (mg/L) | - | - | Report | - | 2.0 | 1/6 months | Grab |
| Total Phosphorus (mg/L) | - | - | Report | - | 1.0 | 1/6 months | Grab |

| Parameter | Concentrations (mg/L) | | | | Benchmark Value (mg/L) | Monitoring Requirements | |
|---|---|---|---|---|---|---|---|
| | Instant Minimum | Average Monthly | Daily Maximum | Instantaneous Maximum | | Sample Frequency | Sample Type |
| Total Suspended Solids | - | - | Report | - | 30.0 | 1/6 months | Grab |
| Oil and Grease (mg/L) | - | - | Report | - | 5.0 | 1/6 months | Grab |
| Nitrate + Nitrite-Nitrogen | - | - | Report | - | - | 1/6 months | Grab |
| Total, Manganese | - | - | Report | - | - | 1/6 months | Grab |
| Aluminum, Total | - | - | Report | - | - | 1/6 months | Grab |
| Copper, Total | - | - | Report | - | - | 1/6 months | Grab |
| Iron, Total | - | - | Report | - | 3.0 | 1/6 months | Grab |
| Lead, Total | - | - | Report | - | - | 1/6 months | Grab |
| Zinc, Total | - | - | Report | - | - | 1/6 months | Grab |

**Table 5: Proposed Monitoring Requirements for outfalls 002 and 003**

| Parameter | Concentrations (mg/L) | | | | Benchmark Value (mg/L) | Monitoring Requirements | |
|---|---|---|---|---|---|---|---|
| | Instant Minimum | Average Monthly | Daily Maximum | Instantaneous Maximum | | Sample Frequency | Sample Type |
| pH (S.U.) | - | - | Report | - | 9.0 | 1/6 months | Grab |
| Total Nitrogen (mg/L) | - | - | Report | - | 2.0 | 1/6 months | Grab |
| Total Phosphorus (mg/L) | - | - | Report | - | 1.0 | 1/6 months | Grab |
| Total Suspended Solids | - | - | Report | - | 30.0 | 1/6 months | Grab |
| Oil and Grease (mg/L) | - | - | Report | - | 5.0 | 1/6 months | Grab |
| Nitrate + Nitrite-Nitrogen | - | - | Report | - | - | 1/6 months | Grab |
| Aluminum, Total | - | - | Report | - | - | 1/6 months | Grab |
| Copper, Total | - | - | Report | - | - | 1/6 months | Grab |
| Iron, Total | - | - | Report | - | 3.0 | 1/6 months | Grab |
| Lead, Total | - | - | Report | - | - | 1/6 months | Grab |
| Zinc, Total | - | - | Report | - | - | 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: |

# Attachments

Attachment A: Drainage Are Site Map

Attachment B: StreamStats Reports

# Attachment A: Drainage Are Site Map

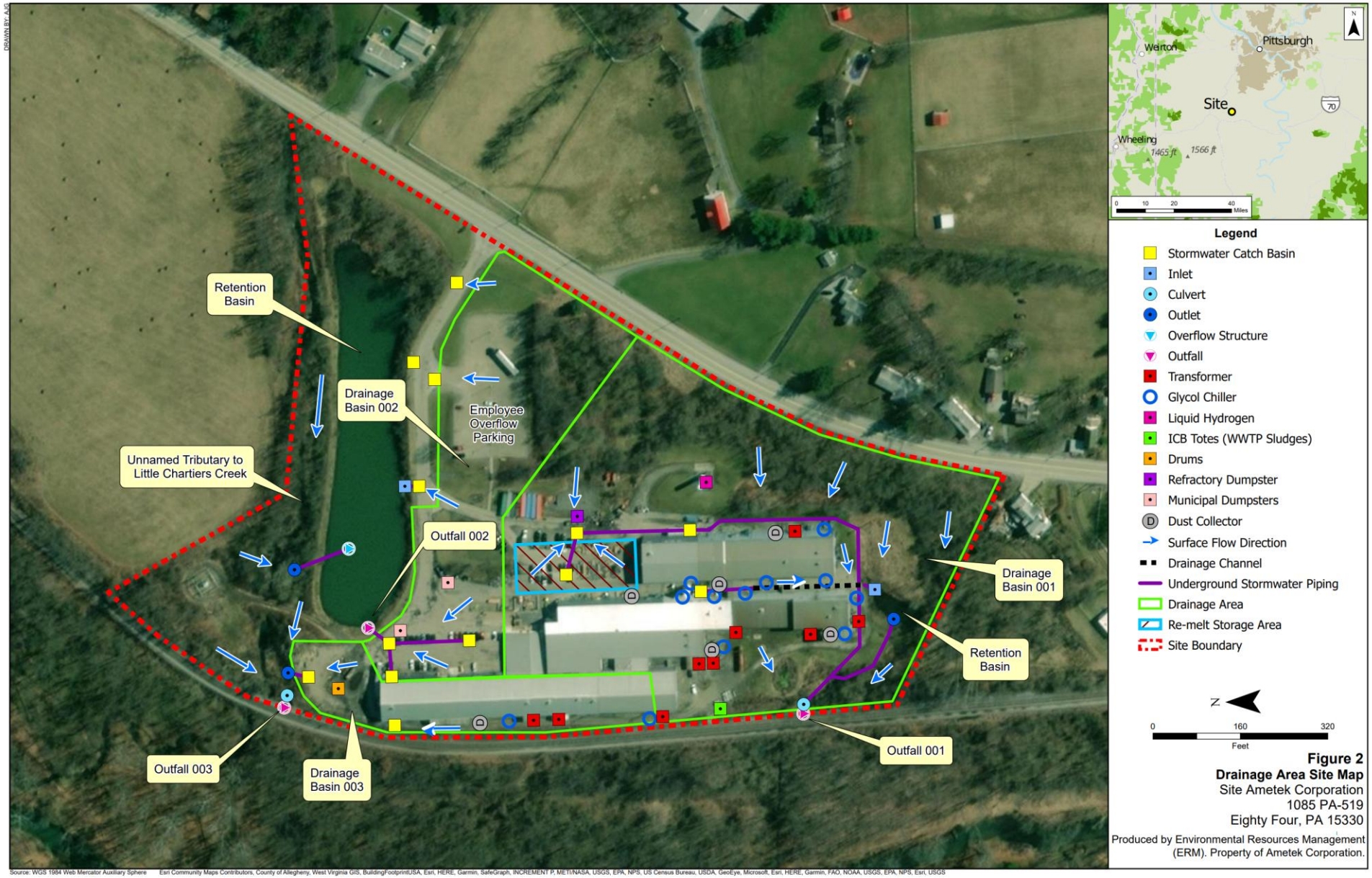


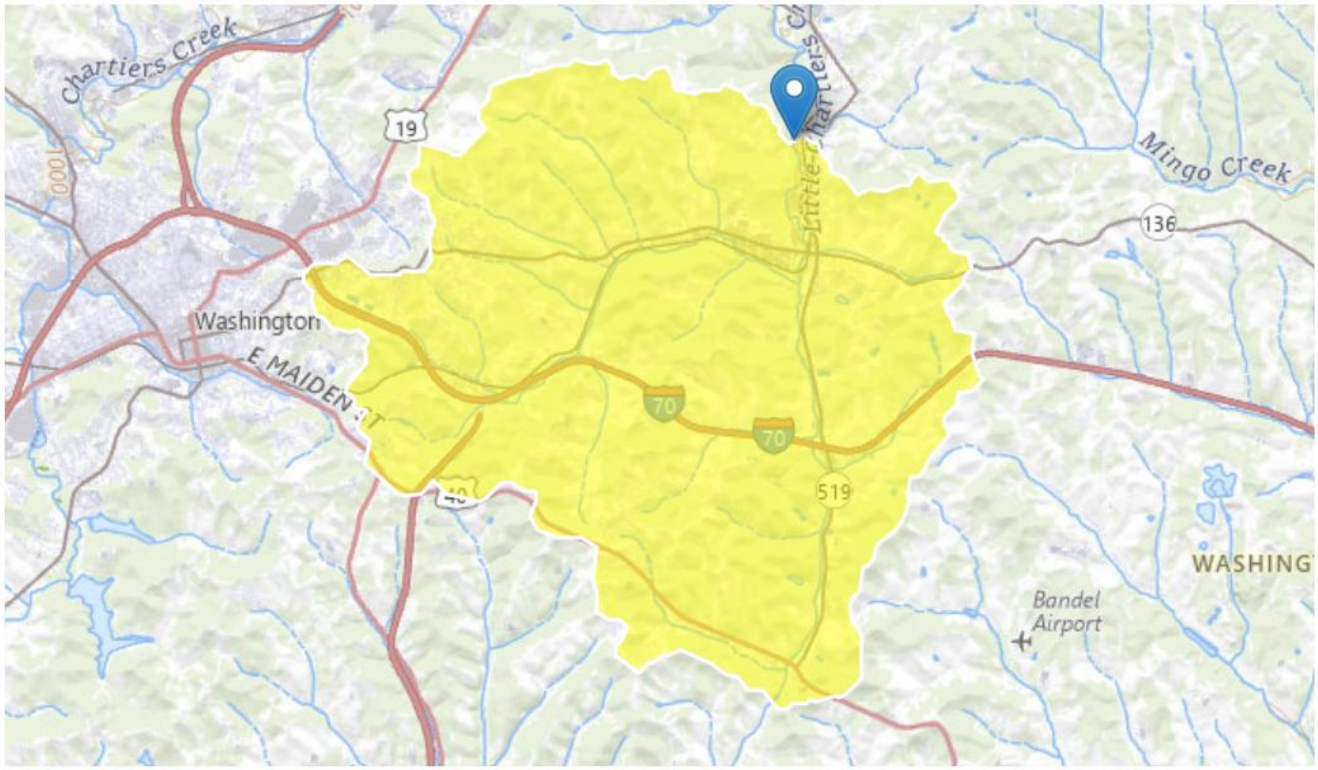

**Figure 2**
**Drainage Area Site Map**
Site Ametek Corporation
1085 PA-519
Eighty Four, PA 15330
Produced by Environmental Resources Management (ERM). Property of Ametek Corporation.

# Attachment B: StreamStats Reports

- **StreamStats Report – Outfall 001**

## PA0034819 - StreamStats Report

**Region ID:** PA
**Workspace ID:** PA20251211134242967000
**Clicked Point (Latitude, Longitude):** 40.19807, -80.13730
**Time:** 2025-12-11 08:43:11 -0500




Collapse All

### Basin Characteristics

| Parameter Code | Parameter Description | Value | Unit |
|---|---|---|---|
| DRNAREA | Area that drains to a point on a stream | 24.3 | square miles |
| ELEV | Mean Basin Elevation | 1192 | 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 | 24.3 | square miles | 2.26 | 1400 |
| ELEV | Mean Basin Elevation | 1192 | 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 | 1.06 | ft^3/s | 43 | 43 |
| 30 Day 2 Year Low Flow | 1.76 | ft^3/s | 38 | 38 |
| 7 Day 10 Year Low Flow | 0.419 | ft^3/s | 66 | 66 |
| 30 Day 10 Year Low Flow | 0.705 | ft^3/s | 54 | 54 |
| 90 Day 10 Year Low Flow | 1.23 | ft^3/s | 41 | 41 |

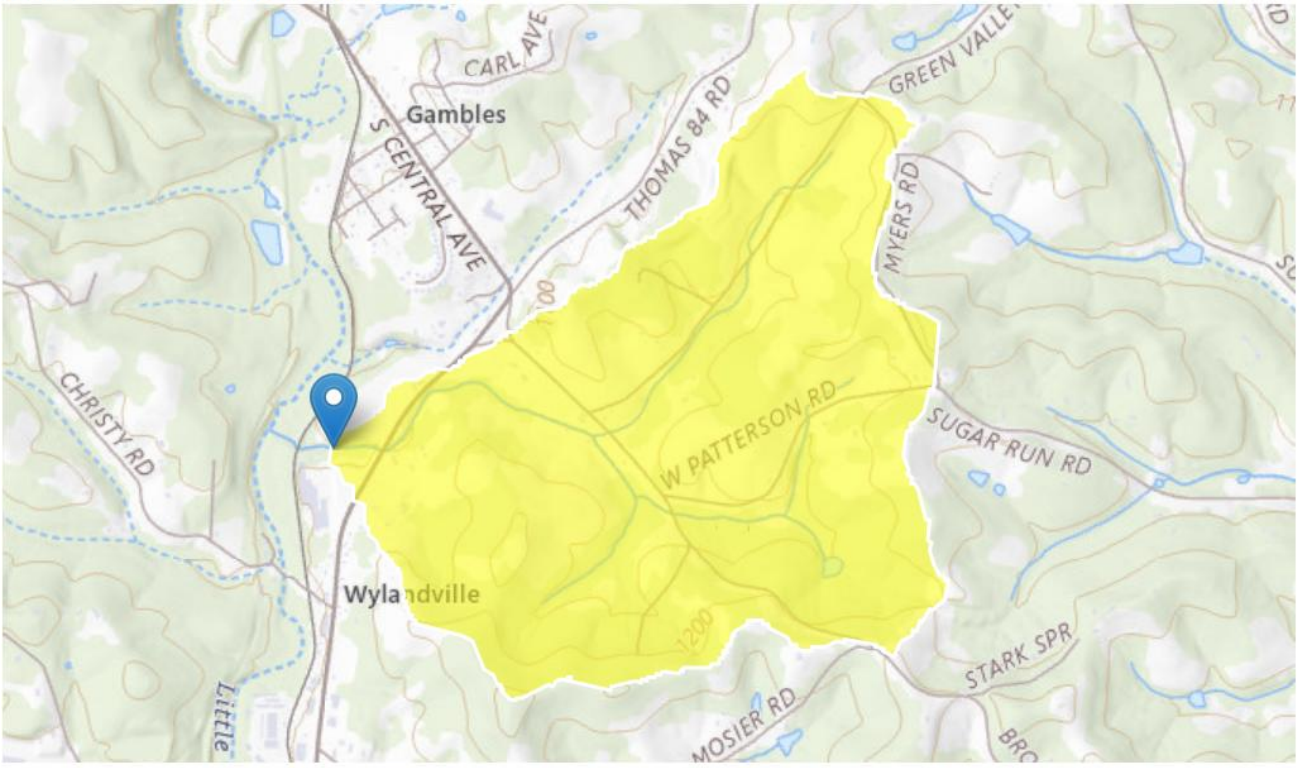
*Low-Flow Statistics Citations*

**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/)**

- **StreamStats Report – Outfalls 002 and 003**

## PA0034819 - Outfall 002 - StreamStats Report

**Region ID:** PA
**Workspace ID:** PA20251211143310487000
**Clicked Point (Latitude, Longitude):** 40.19954, -80.13398
**Time:** 2025-12-11 09:33:35 -0500




Collapse All

### Basin Characteristics

| Parameter Code | Parameter Description | Value | Unit |
|---|---|---|---|
| DRNAREA | Area that drains to a point on a stream | 1.31 | square miles |
| ELEV | Mean Basin Elevation | 1138 | 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 | 1.31 | square miles | 2.26 | 1400 |
| ELEV | Mean Basin Elevation | 1138 | 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 | 0.0365 | ft^3/s |
| 30 Day 2 Year Low Flow | 0.0694 | ft^3/s |
| 7 Day 10 Year Low Flow | 0.0111 | ft^3/s |
| 30 Day 10 Year Low Flow | 0.0232 | ft^3/s |
| 90 Day 10 Year Low Flow | 0.0463 | 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/)**