

Application Type Renewal
Facility Type Industrial
Major / Minor Minor

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

Application No. PA0063061
APS ID 635426
Authorization ID 1315871

Applicant and Facility Information

| | | | |
|---------------------------|---|------------------|---|
| Applicant Name | <u>Ashland Area Municipal Authority</u> | Facility Name | <u>Ashland Water Treatment Plant</u> |
| Applicant Address | <u>401 South 18th Street</u> <u>Ashland, PA 17921</u> | Facility Address | <u>Malones Road</u> <u>Ashland, PA 17921</u> |
| Applicant Contact | <u>Ray Jones</u> | Facility Contact | <u>Ray Jones</u> |
| Applicant Phone | <u>(570) 875-2411</u> | Facility Phone | <u>(570) 875-2411</u> |
| Client ID | <u>64102</u> | Site ID | <u>1367</u> |
| SIC Code | <u>4941</u> | Municipality | <u>Butler Township</u> |
| SIC Description | <u>Trans. & Utilities - Water Supply</u> | County | <u>Schuylkill</u> |
| Date Application Received | <u>May 8, 2020</u> | EPA Waived? | <u>Yes</u> |
| Date Application Accepted | <u>January 18, 2021</u> | If No, Reason | <u>-</u> |
| Purpose of Application | <u>Renewal of an existing NPDES permit to discharge up to 0.037 MGD of industrial wastewater.</u> | | |

Summary of Review

The applicant is requesting renewal of NPDES Permit No. PA0063061 to authorize a discharge of up to 37,000 gpd of industrial wastewater into Little Mahanoy Creek (CWF, MF) in State Water Plan 06-B. The receiving body does not have an existing use classification. The 2020 Pennsylvania Integrated Water Quality Monitoring and Assessment Report lists the receiving body as Attaining for Recreation, but Impaired for Aquatic Life (Source: Urban Runoff/Storm Sewers, Cause: Unknown). The discharge is not expected to affect public water supplies.

The facility is a municipal water treatment plant. Filter backwash and wastewater from clarifiers discharge into a lagoon for settling. The lagoon overflows through a v-notch weir into Outfall 001. The renewal application reports the *Design Flow* as 0.037 MGD and the *Average Flow* as 0.021 MGD. The facility wasteload allocations (WLAs) assigned by the Mahanoy Creek Watershed TMDL (March 13, 2007) are based on an average flow of 0.019 MGD.

The limits continue to be derived from the Best-Practical-Control-Technology limits set forth in the Department's *Technology Based Control Requirements for Water Treatment Plant Waste* (Doc No. 362-2183-003). As a result of the migration from 0.019 to 0.021 MGD average flow, effluent limits have been adjusted downward to maintain the WLAs set forth for the facility in the Mahanoy Creek Watershed TMDL. The Daily Maximum limits continue to be 2x Average Monthly. A review of eDMR submittals indicates that the facility consistently meets the new limits.

| Parameter | Average Monthly | |
|-----------------|------------------|------------------|
| | Old Limit (mg/L) | New Limit (mg/L) |
| Total Aluminum | 4.0 | 3.6 |
| Total Iron | 2.0 | 1.8 |
| Total Manganese | 1.0 | 0.9 |

$$\text{New Limit} = \text{Old Limit} * 0.019 \text{ MGD} / 0.021 \text{ MGD}$$

| Approve | Deny | Signatures | Date |
|---------|------|--|-------------|
| X | | Joseph Cherinko (signed) Joseph Cherinko, P.E. / Environmental Engineering Specialist | May 7, 2021 |
| X | | Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Environmental Engineer Manager | 5-21-21 |

Summary of Review

The Department's Toxic Management Spreadsheet was used to perform a Reasonable Potential analysis using sampling results included with the renewal application; the sampling data does not support additional effluent limits or monitoring requirements.

There is no history of non-compliance with effluent limitations over the past two years according to DMR data; the existing monitoring frequencies are continued in the renewed permit, in accordance with Part IV.E.2 of SOP No. NPNPSM-PMT-001.

Part C of the permit continues to contain language concerning chemical additives and sedimentation basin cleaning.

The WMS Report Query "Inspections" was performed. A 'Compliance Evaluation' was performed on January 6, 2020; no violations were noted.

The WMS Report Query "Open Violations by Client" was performed; the applicant has 1 open violation. The open violation is for failure to timely submit their NPDES renewal application (Violation ID #896125).

The EPA Waiver is in effect.

The permit expired on August 31, 2020. The renewal application was originally due by March 4, 2020. An extension was requested and granted first to April 4, 2020, and then to May 4, 2020. The application was received late on May 8, 2020. An administrative extension letter was issued on January 19, 2021.

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. | <u>001</u> | Design Flow (MGD) | <u>.021</u> |
| Latitude | <u>40° 46' 27"</u> | Longitude | <u>-76° 16' 30"</u> |
| Quad Name | <u>Ashland</u> | Quad Code | <u>1235</u> |
| Wastewater Description: <u>Wastewater from clarifier and filter backwash that discharges to settling lagoon.</u> | | | |
| Receiving Waters | <u>Little Mahanoy Creek (CWF, MF)</u> | Stream Code | <u>17677</u> |
| NHD Com ID | <u>54962077</u> | RMI | <u>4.7</u> |
| Drainage Area | <u>2.88</u> | Yield (cfs/mi ²) | <u>0.188</u> |
| Q ₇₋₁₀ Flow (cfs) | <u>0.54</u> | Q ₇₋₁₀ Basis | <u>Yield obtained from 1992 pollution report.</u> |
| Elevation (ft) | <u>1,106</u> | Slope (ft/ft) | <u>0.0057</u> |
| Watershed No. | <u>6-B</u> | Chapter 93 Class. | <u>CWF, MF</u> |
| Existing Use | <u>-</u> | Existing Use Qualifier | <u>-</u> |
| Exceptions to Use | <u>-</u> | Exceptions to Criteria | <u>-</u> |
| Assessment Status | <u>Impaired</u> | | |
| Cause(s) of Impairment | <u>Cause Unknown</u> | | |
| Source(s) of Impairment | <u>Source Unknown, Urban Runoff/Storm Sewers</u> | | |
| TMDL Status | <u>Final</u> | Name | <u>Mahanoy Creek</u> |
| Background/Ambient Data | | Data Source | |
| pH (SU) | <u>-</u> | | <u>-</u> |
| Temperature (°F) | <u>-</u> | | <u>-</u> |
| Hardness (mg/L) | <u>-</u> | | <u>-</u> |
| Other: | <u>-</u> | | <u>-</u> |
| Nearest Downstream Public Water Supply Intake | <u>Duncannon Borough Municipal Authority</u> | | |
| PWS Waters | <u>Susquehanna River</u> | Flow at Intake (cfs) | <u>2,315</u> |
| PWS RMI | <u>69.3</u> | Distance from Outfall (mi) | <u>~70</u> |

Changes Since Last Permit Issuance: -

Other Comments: Flow at Duncannon Borough Municipal Authority intake is based on the drainage area obtained using USGS StreamStats and a default LFY of 0.1 cfs/mi².

Development of Effluent Limitations

Outfall No. 001 Design Flow (MGD) .021
 Latitude 40° 46' 27" Longitude -76° 16' 30"
 Wastewater Description: Wastewater from clarifier and filter backwash that discharges to settling lagoon.

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

| Parameter | Limit (mg/l) | SBC | State Guidance |
|-------------------------|--------------|-----------------|----------------|
| pH | 6.0 – 9.0 | Minimum/Maximum | 362-2183-003 |
| Total Residual Chlorine | 0.5 | Average Monthly | 362-2183-003 |
| | 1.0 | IMAX | |
| Total Suspended Solids | 30.0 | Average Monthly | 362-2183-003 |
| | 60.0 | Daily Maximum | |
| Total Aluminum | 3.6 | Average Monthly | 362-2183-003 |
| | 7.2 | Daily Maximum | |
| Total Iron | 1.8 | Average Monthly | 362-2183-003 |
| | 3.6 | Daily Maximum | |
| Total Manganese | 0.9 | Average Monthly | 362-2183-003 |
| | 1.8 | Daily Maximum | |

Comments: All limits are based on “Technology-Based Control Requirements for Water Treatment Plant Wastes” (guidance document 362-2183-003). The limits for Total Aluminum, Total Iron, and Total Manganese are further modified to maintain the WLAs in the Mahanoy Creek TMDL, due to the increase in average flow from 0.019 to 0.021 MGD.

Water Quality-Based Limitations

The Department's *Toxic Management Spreadsheet* was used to perform a Reasonable Potential analysis using sampling results included with the renewal application; the sampling data does not support additional effluent limits or monitoring requirements.