

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0288551
APS ID 1137814
Authorization ID 1528027

Applicant, Facility and Project Information

| | |
|---|---|
| Applicant Name <u>Diane & Richard Mcmillen</u> | Facility Name <u>Diane & Richard Mcmillen SRSTP</u> |
| Applicant Address <u>2858 E 28th Street</u> <u>Erie, PA 16510-2822</u> | Facility Address <u>2305 Emersen Hill Road</u> <u>Grand Valley, PA 16420</u> |
| Applicant Contact <u>Richard Mcmillen</u> | Facility Contact _____ |
| Applicant Phone <u>(814) 392-2681</u> | Facility Phone _____ |
| Client ID <u>357339</u> | Site ID <u>839305</u> |
| SIC Code <u>8800</u> | Municipality <u>Eldred Township</u> |
| SIC Description <u>Private Households</u> | County <u>Warren</u> |
| Date Application Received <u>May 21, 2025</u> | WQM Required <u>Previously issued - 6220405</u> |
| Date Application Accepted <u>May 27, 2025</u> | WQM App. No. _____ |
| Project Description <u>Renewal for a Single residence sewage treatment plant.</u> | |

Summary of Review

The permittee is applying for reissuance of Individual Permit **PA0288551** that would expire on October 31, 2025. This is a discharge into Pine Creek, which has been designated as High-Quality. The average daily flow is projected to be 400 GPD.

The existing facility consists of (WQM Permit No. 6220405): An existing 1,000-gallon dual compartment polyethylene septic tank, a new 500-gallon single compartment septic tank followed by a Premier Tech EC7-500-C-GDV Coco Filter unit followed by a Salcor 3G ultraviolet (UV) disinfection unit.

Act 14 notifications were submitted and received.

No AMRs have been received.

There are no open violations in WMS for the subject Client ID (357339) as of May 27, 2025.

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

| Approve | Deny | Signatures | Date |
|---------|------|---|--------------|
| x | | Adebayo Olude Adebayo Olude / Civil Engineer Trainee | May 27, 2025 |
| X | | Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager | May 29, 2025 |

Discharge and Stream Data – 2 - Receiving Waters and PWS

| Discharge, Receiving Waters and Water Supply Information | | | |
|--|------------------------------|------------------------------|-------------------|
| Outfall No. | 001 | Design Flow (MGD) | .0005 |
| Latitude | 41 42' 34.72" | Longitude | -79 30' 57.38" |
| Quad Name | | Quad Code | 41079F5 |
| Wastewater Description: Sewage Effluent | | | |
| Receiving Waters | Pine Creek (HQ-CWF) | Stream Code | 54331 |
| NHD Com ID | 100470089 | RMI | 0.1400 |
| Drainage Area | 0.17 | Yield (cfs/mi ²) | 0.1 |
| Q ₇₋₁₀ Flow (cfs) | 0.1 | Q ₇₋₁₀ Basis | USGS Stream Stats |
| Elevation (ft) | 1653 | Slope (ft/ft) | ----- |
| Watershed No. | 16-E | Chapter 93 Class. | HQ-CWF |
| Existing Use | | Existing Use Qualifier | |
| Exceptions to Use | ----- | Exceptions to Criteria | ----- |
| Assessment Status | Attaining Use(s) | | |
| Cause(s) of Impairment | | | |
| Source(s) of Impairment | | | |
| TMDL Status | | Name | |
| Background/Ambient Data | | Data Source | |
| pH (SU) | 7.0 | Default | |
| Temperature (°F) | 20 | Default | |
| Hardness (mg/L) | 100 | Default | |
| Other: | ----- | ----- | |
| Nearest Downstream Public Water Supply Intake | Aqua Pennsylvania - Emlenton | | |
| PWS Waters | Allegheny River | Flow at Intake (cfs) | 1376.0 |
| PWS RMI | 90.0 | Distance from Outfall (mi) | >50 |

Changes Since Last Permit Issuance: N/A

Other Comments: This SRSTP was designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to the use of a Premier Tech EC7-C-P Coco Filter unit and the discharge is located in a High Quality (HQ) watershed.

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" (362-0400-001), SOPs and/or BPJ.

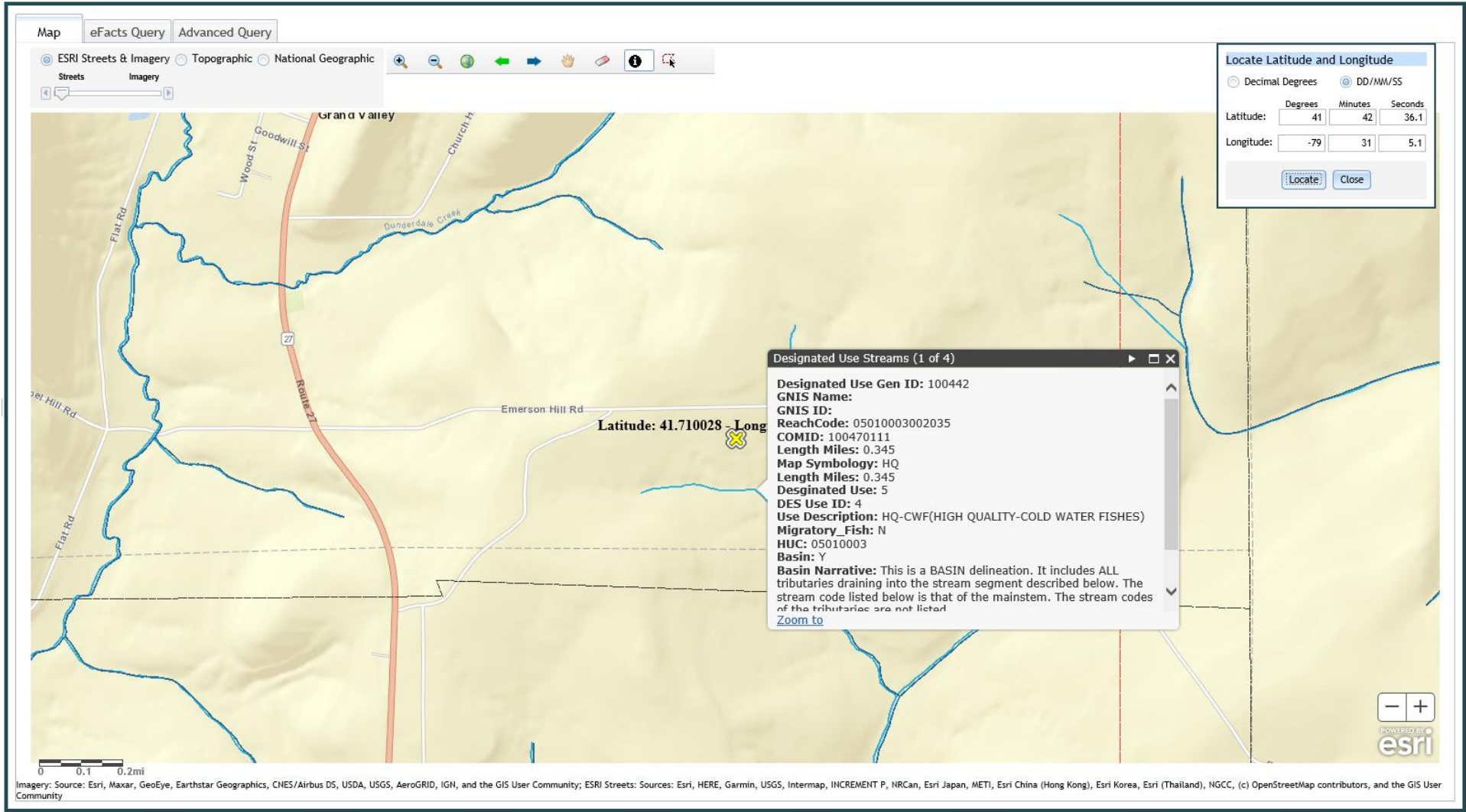
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

| 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 | Annual Average | Maximum | Instant. Maximum | | |
| Flow (GPD) | Report Annl Avg | XXX | XXX | XXX | XXX | XXX | 1/year | Estimate |
| pH (S.U.) | XXX | XXX | 6.0 Daily Min | XXX | 9.0 Daily Max | XXX | 1/month | Grab |
| BOD5 | XXX | XXX | XXX | 10.0 | XXX | 20 | 1/year | Grab |
| TSS | XXX | XXX | XXX | 10.0 | XXX | 20 | 1/year | Grab |
| Fecal Coliform (No./100 ml) | XXX | XXX | XXX | 200 | XXX | XXX | 1/year | Grab |

Compliance Sampling Location: Outfall 001, after disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD₅, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7. In accordance with Regional Policy, pH monitoring is established as monthly due to High Quality (HQ) Stream Classification

Attachment 1
eMap – Location Map



Attachment 2
Google Earth Imagery

