

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

## NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0210501  
APS ID 1118058  
Authorization ID 1492718

### Applicant, Facility and Project Information

|                           |                                                                                 |                  |                                                                   |
|---------------------------|---------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------|
| Applicant Name            | <u>Earl G Willey</u>                                                            | Facility Name    | <u>Earl G Willey SFTF</u>                                         |
| Applicant Address         | <u>3974 Longview Road</u><br><u>West Middlesex, PA 16159-2912</u>               | Facility Address | <u>3974 Longview Road</u><br><u>West Middlesex, PA 16159-2912</u> |
| Applicant Contact         | <u>Earl Willey</u>                                                              | Facility Contact | <u>Earl Willey</u>                                                |
| Applicant Phone           | <u>(724) 977-2817</u>                                                           | Facility Phone   | <u></u>                                                           |
| Client ID                 | <u>63555</u>                                                                    | Site ID          | <u>466471</u>                                                     |
| SIC Code                  | <u>4952,8811</u>                                                                | Municipality     | <u>Shenango Township</u>                                          |
| SIC Description           | <u>Services - Private Households, Trans. &amp; Utilities - Sewerage Systems</u> | County           | <u>Mercer</u>                                                     |
| Date Application Received | <u>July 1, 2024</u>                                                             | WQM Required     | <u></u>                                                           |
| Date Application Accepted | <u></u>                                                                         | WQM App. No.     | <u></u>                                                           |
| Project Description       | <u>Single Residence Sewage Treatment Plant (SRSTP).</u>                         |                  |                                                                   |

### Summary of Review

This is an existing discharge for a residence.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of: an NSF certified small flow aerobic treatment system consisting of a septic tank pretreatment unit, aerated septic tank (Jet Model J-560-S 1200 gallon), up flow filter (Jet Model J-153), and Jet Chlor Model 108 195-gallon chlorination unit.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (63555) as of 3/20/2025.

#### 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       |      | Jordan A. Frey, E.I.T.<br>Jordan A. Frey, E.I.T. / Project Manager      | March 20, 2025 |
| X       |      | Adam Olesnanik<br>Adam Olesnanik, P.E. / Environmental Engineer Manager | April 4, 2025  |

Discharge and Stream Data – 2 - Receiving Waters and PWS

| Discharge, Receiving Waters and Water Supply Information |                                       |                              |                        |
|----------------------------------------------------------|---------------------------------------|------------------------------|------------------------|
| Outfall No.                                              | <u>001</u>                            | Design Flow (MGD)            | <u>.0004</u>           |
| Latitude                                                 | <u>41° 11' 10.10"</u>                 | Longitude                    | <u>-80° 26' 13.39"</u> |
| Quad Name                                                | <u>Sharon East</u>                    | Quad Code                    | <u>41080B4</u>         |
| Wastewater Description: <u>Sewage Effluent</u>           |                                       |                              |                        |
| Receiving Waters                                         | <u>Hogback Run (WWF)</u>              | Stream Code                  | <u>35929</u>           |
| NHD Com ID                                               | <u>130033631</u>                      | RMI                          | <u>0.2300</u>          |
| Drainage Area                                            | <u>6.51</u>                           | Yield (cfs/mi <sup>2</sup> ) | <u>35929</u>           |
| Q <sub>7-10</sub> Flow (cfs)                             | <u>0.065</u>                          | Q <sub>7-10</sub> Basis      | <u>Default</u>         |
| Elevation (ft)                                           | <u>868</u>                            | Slope (ft/ft)                | <u>---</u>             |
| Watershed No.                                            | <u>20-A</u>                           | Chapter 93 Class.            | <u>WWF</u>             |
| Existing Use                                             |                                       | Existing Use Qualifier       |                        |
| Exceptions to Use                                        |                                       | Exceptions to Criteria       |                        |
| Assessment Status                                        | <u>Attaining Use(s)</u>               |                              |                        |
| Cause(s) of Impairment                                   |                                       |                              |                        |
| Source(s) of Impairment                                  |                                       |                              |                        |
| TMDL Status                                              |                                       | Name                         |                        |
| Background/Ambient Data                                  |                                       | Data Source                  |                        |
| pH (SU)                                                  | <u>7.0</u>                            | Default                      |                        |
| Temperature (°F)                                         | <u>20</u>                             | Default                      |                        |
| Hardness (mg/L)                                          | <u>100</u>                            | Default                      |                        |
| Other:                                                   |                                       |                              |                        |
| Nearest Downstream Public Water Supply Intake            | <u>PA American Water – New Castle</u> |                              |                        |
| PWS Waters                                               | <u>Shenango River</u>                 | Flow at Intake (cfs)         | <u>100</u>             |
| PWS RMI                                                  | <u>5.02</u>                           | Distance from Outfall (mi)   | <u>19</u>              |

Changes Since Last Permit Issuance: None.

Other Comments: None.

**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.

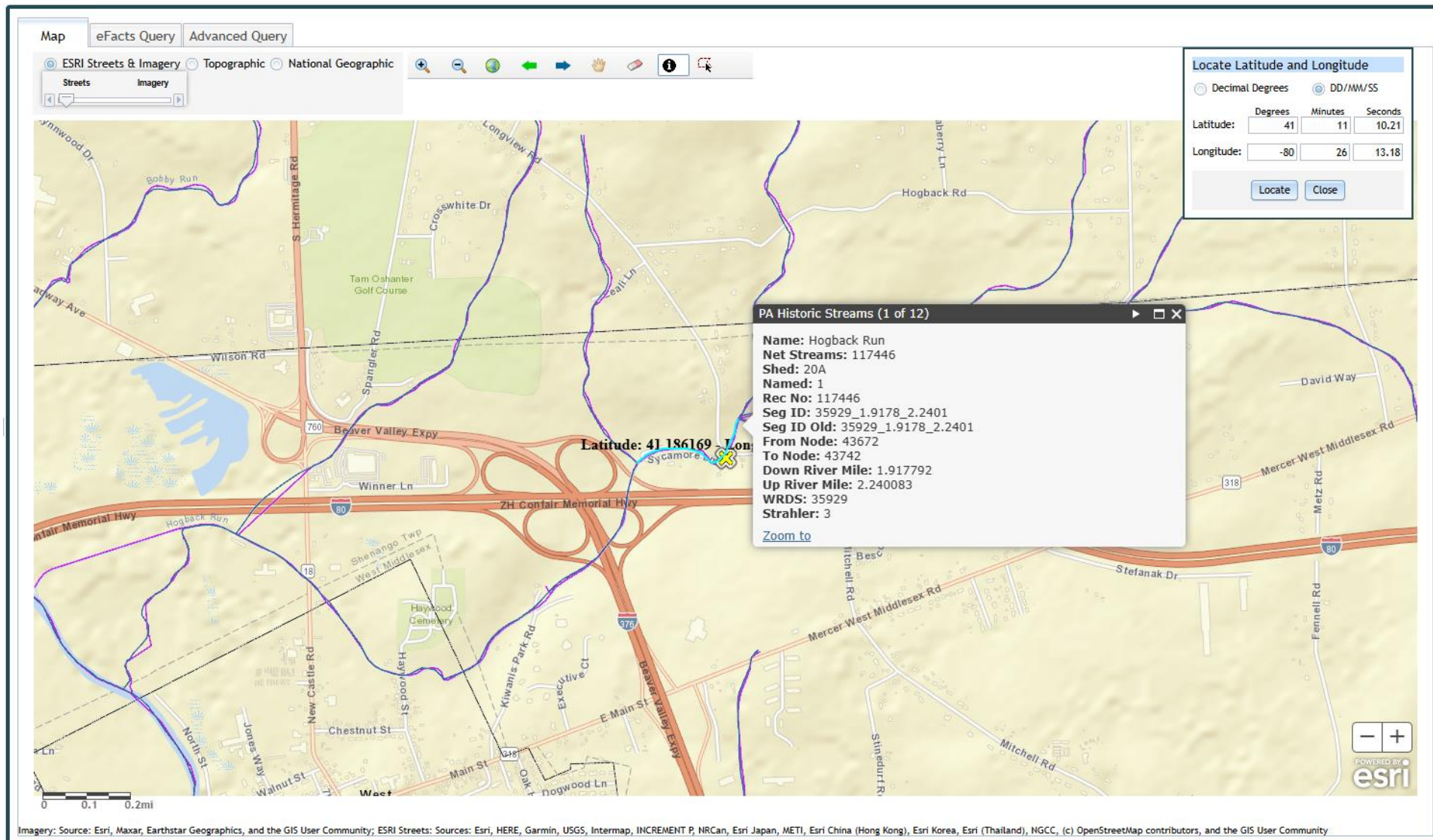
**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

| Parameter                   | Effluent Limitations                |                   |                       |                   |         |                     | Monitoring Requirements                            |                            |
|-----------------------------|-------------------------------------|-------------------|-----------------------|-------------------|---------|---------------------|----------------------------------------------------|----------------------------|
|                             | Mass Units (lbs/day) <sup>(1)</sup> |                   | Concentrations (mg/L) |                   |         |                     | Minimum <sup>(2)</sup><br>Measurement<br>Frequency | Required<br>Sample<br>Type |
|                             | Average<br>Monthly                  | Average<br>Weekly | Minimum               | Annual<br>Average | Maximum | Instant.<br>Maximum |                                                    |                            |
| Flow (MGD)                  | Report<br>Annl Avg                  | XXX               | XXX                   | XXX               | XXX     | XXX                 | 1/year                                             | Estimate                   |
| pH (S.U.)                   | XXX                                 | XXX               | 6.0<br>Inst Min       | XXX               | XXX     | 9.0                 | Upon Request                                       | Grab                       |
| TRC                         | XXX                                 | XXX               | XXX                   | Report            | XXX     | XXX                 | 1/month                                            | Grab                       |
| CBOD5                       | XXX                                 | XXX               | XXX                   | 25.0              | XXX     | 50.0                | 1/year                                             | Grab                       |
| TSS                         | XXX                                 | XXX               | XXX                   | 30.0              | XXX     | 60.0                | 1/year                                             | Grab                       |
| Fecal Coliform (No./100 ml) | XXX                                 | XXX               | XXX                   | 200               | XXX     | 1000                | 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 and Total Suspended Solids are BPJ limits based on the Small Flow Treatment Facilities Manual. Fecal Coliform is technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

Attachment 1  
eMap – Location Map





Attachment 2  
Google Earth Imagery

