

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SFTF/SRSTP**

Application No. PA0264270  
APS ID 1055765  
Authorization ID 1383383

**Applicant, Facility and Project Information**

|                           |  |                  |  |
|---------------------------|--|------------------|--|
| Applicant Name            | <u>Amy &amp; Joseph Scarnati</u>                                       | Facility Name    | <u>Amy &amp; Joseph Scarnati SRSTP</u>                   |
| Applicant Address         | <u>978 Evergreen Street</u><br><u>Brockway, PA 15824-2168</u>          | Facility Address | <u>6048 Route 666</u><br><u>Sheffield, PA 16347-2134</u> |
| Applicant Contact         | <u>Amy Scarnati</u>  | Facility Contact | <u>Amy Scarnati</u>                                      |
| Applicant Phone           | <u>(717) 805-5269</u>  | Facility Phone   | <u>(717) 805-5269</u>                                    |
| Client ID                 | <u>367921</u>  | Site ID          | <u>811070</u>  |
| SIC Code                  | <u>8800</u>  | Municipality     | <u>Sheffield Township</u>                                |
| SIC Description           | <u>Private Households</u>  | County           | <u>Warren</u>  |
| Date Application Received | <u>November 4, 2021</u>  | WQM Required     | <u>No</u>  |
| Date Application Accepted | <u>February 8, 2022</u>  | WQM App. No.     | <u>6215411 T-1</u>                                       |
| Project Description       | <u>Renewal &amp; Transfer of Individual NPDES permit for an SRSTP.</u> |                  |  |

**Summary of Review**

This is a discharge of a single residence sewage treatment plant (SRSTP) that replaced a malfunctioning on-lot system located at 6048 Route 666, Sheffield, PA 16347-2134. The NPDES permit is being renewed and transferred.

The discharge does not qualify for a General NPDES Permit (PAG-04) because the proposed SRSTP design is not in accordance with the Department's "Small Flow Treatment Facilities Manual."

Act 14 – Proof of Notification was submitted and received.

Proposed treatment consists of (WQM Permit No. 6215411 T-1): a Norweco Singlair Model 960 Aerobic Unit with built-in chlorinator.

WQM permit no. 6215411 T-1 is will be transferred concurrently with the NPDES permit.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (367921) as of April 21, 2022.

Sludge use and disposal description and location(s): Septage must be pumped and hauled off-site by a septage hauler for land application under a general permit authorized by DEP or disposal at an STP.

| Approve | Deny | Signatures   | Date           |
|---------|------|--|----------------|
| X       |      | Jon F. Bucha<br>Jonathan F. Bucha / Civil Engineer General                   | April 21, 2022 |
| X       |      | Adam J. Pesek for<br>Justin C. Dickey, P.E. / Environmental Engineer Manager | April 22, 2022 |

| Discharge, Receiving Waters and Water Supply Information |  |                              |                         |
|--|--|------------------------------|-------------------------|
| Outfall No.  | <u>001</u>                                 | Design Flow (MGD)            | <u>.0004</u>            |
| Latitude   | <u>41° 38' 15.12"</u>                      | Longitude                    | <u>-79° 2' 49.75"</u>   |
| Quad Name  | <u>Sheffield</u>                           | Quad Code                    | <u>0513</u>             |
| Wastewater Description: <u>Sewage Effluent</u>           |  |                              |                         |
| Receiving Waters   | <u>Unnamed Tributary to Tionesta Creek</u> | Stream Code                  | <u>54921</u>            |
| NHD Com ID   | <u>100470315</u>                           | RMI                          | <u>35.5</u>             |
| Drainage Area  | <u>226 mi<sup>2</sup></u>                  | Yield (cfs/mi <sup>2</sup> ) | <u></u>                 |
| Q <sub>7-10</sub> Flow (cfs)                             | <u>16</u>                                  | Q <sub>7-10</sub> Basis      | <u>USGS Streamstats</u> |
| Elevation (ft)   | <u>1280 (Google Earth)</u>                 | Slope (ft/ft)                | <u></u>                 |
| Watershed No.  | <u>16-F</u>                                | Chapter 93 Class.            | <u>CWF</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>MERCURY</u>                             |                              |                         |
| Source(s) of Impairment                                  | <u>SOURCE UNKNOWN</u>                      |                              |                         |
| TMDL Status  | <u></u>                                    | Name                         | <u></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>Aqua PA, Inc. - Emlenton</u>            |                              |                         |
| PWS Waters   | <u>Allegheny River</u>                     | Flow at Intake (cfs)         | <u>1376</u>             |
| PWS RMI  | <u>90.0</u>                                | Distance from Outfall (mi)   | <u>97.4</u>             |

Changes Since Last Permit Issuance: N/A

Other Comments: This treatment system is capable of meeting effluent requirements.

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.

| <b>Compliance History</b>      |  |
|--------------------------------|--|
| <b>Summary of AMRs:</b>        | An AMR was last received on 1/7/2019. It should be noted that AMRs are to be submitted each year by June 30 <sup>th</sup> .  |
| <b>Summary of Inspections:</b> | Todd Fantaskey completed an inspection on 12/5/2018. Effluent parameters were sampled and met effluent limits, except BOD5 was 12 mg/L compared to the limit of 10 mg/L. Septic tank was inspected and reportedly looked good. |

Other Comments: **N/A**

**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 (GPD)                  | 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<br>Daily Max | XXX     | 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 BOD<sub>5</sub>, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7 and the monitoring frequency has been established as "upon request" due to CWF stream designation.

### Attachment A – Google Earth Imagery (Site Location)

