

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0272531  
APS ID 1001928  
Authorization ID 1288796

**Applicant, Facility and Project Information**

|                      |  |                  |  |
|----------------------|--|------------------|--|
| Applicant Name       | <u>Greenfield Township Vol Fire Co.</u>                | Facility Name    | <u>Greenfield Vfd SRSTP</u>                              |
| Applicant Address    | <u>9805 Wilson Road</u><br><u>North East, PA 16428</u> | Facility Address | <u>10462 Station Road</u><br><u>North East, PA 16428</u> |
| Applicant Contact    | <u>Steven Rathmann</u>                                 | Facility Contact | <u></u>  |
| Applicant Phone      | <u>(814) 725-3419</u>                                  | Facility Phone   | <u></u>  |
| Client ID            | <u>352436</u>  | Site ID          | <u>836735</u>  |
| Municipality         | <u>Greenfield Township</u>                             | County           | <u>Erie</u>  |
| SIC Code             | <u>8800</u>  | SIC Code         | <u>4952</u>  |
| SIC Description      | <u>Private Households</u>                              | SIC Description  | <u>Trans. &amp; Utilities - Sewerage Systems</u>         |
| Application Received | <u>August 28, 2019</u>                                 | WQM Required     | <u>Yes with concurrent review</u>                        |
| Application Accepted | <u>November 14, 2019</u>                               | WQM App. No.     | <u>2519418</u>   |
| Project Description  | <u>Single Residence Sewage Treatment Plant.</u>        |                  |  |

**Summary of Review**

Proposed is replacement of a failed on-lot sewage treatment facility serving as a fire house residential unit. Design is based on 3-bedrooms, 400-gpd and 1.1-ppd BOD.

Monitoring is based on the design being equivalent to a private household. The Facility SIC Code is 9224 and the NAIC Code is 922160.

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       |      | William H. Mentzer, P.E.<br>Environmental Engineering Specialist | December 3, 2019 |
| X       |      | Justin C. Dickey, P.E.<br>Environmental Engineer Manager         |                  |

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

|              |  |                   |                        |
|--------------|--|-------------------|------------------------|
| Outfall No.  | <u>001</u>   | Design Flow (MGD) | <u>0.0004</u>          |
| Latitude NHD | <u>42° 6' 58.08"</u>   | Longitude NHD     | <u>-79° 51' 5.05"</u>  |
| Latitude DP  | <u>42° 6' 58.42"</u>   | Longitude DP      | <u>-79° 50' 52.72"</u> |
| Quad Name    | <u>Wattsburg</u>   | Quad Code         | <u>0207</u>            |
| Wastewater:  | <u>Treated domestic wastes from a fire house residential unit.</u> |                   |                        |

|                              |   |                              |                        |
|------------------------------|---|------------------------------|------------------------|
| Receiving Waters             | <u>Unnamed Tributary to Townley Run</u> | Stream Code                  | <u>unknown</u>         |
| NHD Com ID                   | <u>127355851</u>                        | RMI                          | <u>0.17</u>            |
| Drainage Area                | <u>0.1</u>                              | Yield (cfs/mi <sup>2</sup> ) | <u>0</u>               |
| Q <sub>7-10</sub> Flow (cfs) | <u>0</u>                                | Q <sub>7-10</sub> Basis      | <u>Dry stream</u>      |
| Elevation (ft)               | <u>1505.53</u>                          | Slope (ft/ft)                | <u>0.02093</u>         |
| Watershed No.                | <u>16A</u>                              | Chapter 93 Class.            | <u>Warm Water Fish</u> |
| Existing Use                 | <u>statewide</u>                        | Existing Use Qualifier       | <u>none</u>            |
| Exceptions to Use            | <u>none</u>                             | Exceptions to Criteria       | <u>none</u>            |

Comments The discharge is to a roadside ditch RMI 0.17 then to intermittent tributary 53962 RMI 042. The PA GIS map has tributary 52962 joining tributary 53961 at RMI 0.3. The USGS map calls this stream tributary 52961 and USGS names the tributary as Townley Run 53955. Below this facility is the Dennis Bauman SRSTF and Below and offset is the B & K Johnson SRSTF.

|                   |                         |            |
|-------------------|-------------------------|------------|
| Assessment Status | <u>Attaining Use(s)</u> |            |
| Impairment Cause  | _____                   |            |
| Impairment        | _____                   |            |
| TMDL Status       | _____                   | Name _____ |

| Background/Ambient Data | Data Source |       |
|-------------------------|-------------|-------|
| pH (SU)                 | _____       | _____ |
| Temperature (°F)        | _____       | _____ |
| Hardness (mg/L)         | _____       | _____ |
| Other:                  | _____       | _____ |

|   |                          |                            |              |
|---|--------------------------|----------------------------|--------------|
| Nearest Downstream Public Water Supply Intake | <u>Cambridge Springs</u> |                            |              |
| PWS Waters                                    | <u>French Creek</u>      | Flow at Intake (cfs)       | <u>NA</u>    |
| PWS RMI                                       | <u>50.28</u>             | Distance from Outfall (mi) | <u>52,23</u> |

Changes Since Last Permit Issuance: NA

Other Comments: This proposal is not expected to affect downstream water supplies.

**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                       |
| BOD5                        | XXX                                 | XXX               | XXX                   | 10.0              | XXX     | 20.0                | 1/year   | Grab                       |
| TSS                         | XXX                                 | XXX               | XXX                   | 10.0              | XXX     | 20.0                | 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: UV radiation monitoring is specified on the annual maintenance report