

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0272515  
APS ID 1001180  
Authorization ID 1287475

**Applicant, Facility and Project Information**

|                           |   |                  |   |
|---------------------------|---|------------------|---|
| Applicant Name            | <u>Rodney Prezioso</u>  | Facility Name    | <u>Rodney Prezioso SRSTP</u>                          |
| Applicant Address         | <u>129 Kinsman Road</u><br><u>Jamestown, PA 16134-9515</u>                      | Facility Address | <u>129 Kinsman Road</u><br><u>Jamestown, PA 16134</u> |
| Applicant Contact         | <u>Rodney Prezioso</u>  | Facility Contact | <u></u>   |
| Applicant Phone           | <u>(724) 813-9304</u>   | Facility Phone   | <u></u>   |
| Client ID                 | <u>352219</u>   | Site ID          | <u>836995</u>   |
| SIC Code                  | <u>8800</u>   | Municipality     | <u>Greene Township</u>                                |
| SIC Description           | <u>Private Households</u>   | County           | <u>Mercer</u>   |
| Date Application Received | <u>August 19, 2019</u>  | WQM Required     | <u>Yes - Pending</u>                                  |
| Date Application Accepted | <u>September 16, 2019</u>   | WQM App. No.     | <u>4319411</u>  |
| Project Description       | <u>New discharge from a new Single Residence Sewage Treatment Plant SRSTP).</u> |                  |   |

**Summary of Review**

Discharge will be from a proposed SRSTP consisting of a Norweco Singulair Model 960-500 aerobic unit, Norweco Hydro-Kinetic Bio-Film Bioreactor, tablet chlorination, 500 gallon-chlorine contact tank and effluent pump. The design flow of the system is 0.0005 MGD.

This project involves a repair of a malfunctioning onlot system.

Act 537 Planning was approved on July 22, 2019.

This permit does not qualify for a PAG-04 NPDES general permit because the Norweco 960 Aerobic unit and Bio Film reactor does not conform to the Department's Small Flow Treatment Facilities Manual.

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       |      | Adam J. Pesek, E.I.T. / Environmental Engineering Specialist |      |
| X       |      | Justin C. Dickey, P.E. / Environmental Engineer Manager      |      |

| Discharge, Receiving Waters and Water Supply Information |  |                              |                          |
|--|--|------------------------------|--------------------------|
| Outfall No.  | <u>001</u>                                     | Design Flow (MGD)            | <u>0.0005</u>            |
| Latitude   | <u>41° 28' 54.48"</u>                          | Longitude                    | <u>-80° 26' 46.68"</u>   |
| Quad Name  | <u>Greenville West</u>                         | Quad Code                    | <u>0702</u>              |
| Wastewater Description: <u>Sewage Effluent</u>           |  |                              |                          |
| Receiving Waters   | <u>Unnamed Tributary to the Shenango River</u> | Stream Code                  | <u>---</u>               |
| NHD Com ID   | <u>130027577</u>                               | RMI                          | <u>0.34</u>              |
| Drainage Area  | <u></u>  | Yield (cfs/mi <sup>2</sup> ) | <u></u>                  |
| Q <sub>7-10</sub> Flow (cfs)                             | <u>0</u>                                       | Q <sub>7-10</sub> Basis      | <u>Dry Swale</u>         |
| Elevation (ft)   | <u>1008</u>                                    | Slope (ft/ft)                | <u></u>                  |
| Watershed No.  | <u>20-A</u>                                    | Chapter 93 Class.            | <u>Warm Water Fishes</u> |
| Existing Use   | <u></u>  | Existing Use Qualifier       | <u></u>                  |
| Exceptions to Use  | <u></u>  | Exceptions to Criteria       | <u></u>                  |
| Assessment Status  | <u>Attaining Use(s)</u>                        |                              |                          |
| Cause(s) of Impairment                                   | <u></u>  |                              |                          |
| Source(s) of Impairment                                  | <u></u>  |                              |                          |
| TMDL Status  | <u></u>  | Name                         | <u></u>                  |
| Background/Ambient Data                                  |  | Data Source                  |                          |
| pH (SU)  | <u>7.0</u>                                     | Default                      | <u></u>                  |
| Temperature (°C)   | <u>25</u>                                      | Default (WWF)                | <u></u>                  |
| Hardness (mg/L)  | <u></u>  |                              | <u></u>                  |
| Other:   | <u></u>  |                              | <u></u>                  |
| Nearest Downstream Public Water Supply Intake            | <u>Greenville Municipal Water Authority</u>    |                              |                          |
| PWS Waters   | <u>Shenango River</u>                          | Flow at Intake (cfs)         | <u></u>                  |
| PWS RMI  | <u>57</u>                                      | Distance from Outfall (mi)   | <u>Approx. 7.8</u>       |

Changes Since Last Permit Issuance:

Other Comments:

**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> Measurement Frequency | Required Sample Type |
|                             | Average Monthly                     | Average Weekly | Minimum               | Annual Average   | Maximum | Instant. Maximum |  |                      |
| Flow (MGD)                  | Report 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>Avg Mo | XXX     | Report           | 1/month                                      | 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: Limits are in accordance with the Department's SOP entitled "New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications."