

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0265811 A-1  
APS ID 1088320  
Authorization ID 1439412

**Applicant, Facility and Project Information**

|                           |   |                  |  |
|---------------------------|---|------------------|--|
| Applicant Name            | <u>Tessa Pudina</u>   | Facility Name    | <u>Tessa Pudina SRSTP</u>                            |
| Applicant Address         | <u>137 Swamp Run Road</u><br><u>Butler, PA 16001-0729</u>                               | Facility Address | <u>137 Swamp Run Road</u><br><u>Butler, PA 16001</u> |
| Applicant Contact         | <u>Tessa Pudina</u>   | Facility Contact | <u></u>  |
| Applicant Phone           | <u>(724) 712-5812</u>   | Facility Phone   | <u></u>  |
| Applicant E Mail          | <u>tessapudina84@gmail.com</u>  | Facility E Mail  | <u></u>  |
| Client ID                 | <u>377173</u>   | Site ID          | <u>827030</u>  |
| Municipality              | <u>Center Township</u>  | County           | <u>Butler</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>     |
| Date Application Received | <u>May 1, 2023</u>  | WQM Required     | <u>Transfer pending</u>                              |
| Date Application Accepted | <u>May 15, 2023</u>   | WQM App. No.     | <u>1018402 T-1</u>                                   |
| Project Description       | <u>Transfer and renewal of NPDES permit for single residence sewage treatment plant</u> |                  |  |

**Summary of Review**

No violations on file. *There are no open violations in WMS for Client ID 377173 as of 6/8/2023. CWY*

Proposed is a permit renewal and transfer from Bonnie Hayes to **Tessa Pudina**.

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         | May 15, 2023 |
| X       |      | Chad W. Yurisc<br>Chad W. Yurisc, P.E.<br>Environmental Engineer Manager | 6/8/2023     |

| Discharge, Receiving Waters and Water Supply Information   |                       |                              |                      |
|--|-----------------------|------------------------------|----------------------|
| Outfall No.  | 001                   | Design Flow (MGD)            | 0.0004               |
| Latitude DP  | 40° 56' 27.00"        | Longitude DP                 | -79° 58' 9.00"       |
| Latitude NHD   | 40° 56' 26.22"        | Longitude NHD                | -79° 58' 6.18"       |
| Quad Name  | Mt Chestnut           | Quad Code                    | 1106                 |
| Wastewater Description: Treated single residence domestic wastes.                                |                       |                              |                      |
| Receiving Waters   | Swamp Run             | Stream Code                  | 34132                |
| NHD Com ID   | 126220994             | Node RMI                     | 3.86                 |
| Drainage Area  | 0.69                  | Yield (cfs/mi <sup>2</sup> ) | 0.01                 |
| Q <sub>7-10</sub> Flow (cfs)   | 0.01                  | Q <sub>7-10</sub> Basis      | Muddy Creek          |
| Elevation (ft)   | 1204.54               | Slope (ft/ft)                | 0.01722              |
| Watershed No.  | 20C                   | Chapter 93 Class.            | HQ - Cold Water Fish |
| Existing Use   | statewide             | Existing Use Qualifier       | none                 |
| Exceptions to Use  | none                  | Exceptions to Criteria       | none                 |
| Stream RMI is 3.86 and the discharge is 1.49 miles above Lake Arthur<br>(NHD distance 0.5 mile), |                       |                              |                      |
| Assessment Status  | Impaired              |                              |                      |
| Cause(s) of Impairment   | Siltation             |                              |                      |
| Source(s) of Impairment  | Agriculture           |                              |                      |
| TMDL Status  | Name                  |                              |                      |
| Background/Ambient Data  | Data Source           |                              |                      |
| pH (SU)  | _____                 | _____                        |                      |
| Temperature (°F)   | _____                 | _____                        |                      |
| Hardness (mg/L)  | _____                 | _____                        |                      |
| Other:   | _____                 | _____                        |                      |
| Nearest Downstream Public Water Supply Intake  | Beaver Falls          |                              |                      |
| PWS Waters   | Connoquenessing Creek | Flow at Intake (cfs)         | NA                   |
| PWS RMI  | 0.1                   | Distance from Outfall (mi)   | 15.53                |

Changes Since Last Permit Issuance: NA

Other Comments:

The Slippery Rock Creek water supply intake location has been relocated to near the confluence of Connoquenessing Creek and Beaver River and is above the Beaver Falls intake at Beaver River RMI 5.7, (27 miles downstream).

As the receiving waters are classified as high quality the water supply criteria is evaluated at the discharge where the small flow advanced treatment requirements should adequately protect all water uses.

**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>Daily Min      | XXX            | 9.0<br>Daily Max | XXX              | 1/month                                      | Grab                 |
| Biochemical Oxygen Demand (BOD5) | XXX                                 | XXX            | XXX                   | 10.0           | XXX              | 20.0             | 1/year                                       | Grab                 |
| Total Suspended Solids           | XXX                                 | XXX            | XXX                   | 10.0           | XXX              | 20.0             | 1/year                                       | Grab                 |
| Fecal Coliform (No./100 ml)      | XXX                                 | XXX            | XXX                   | 200            | XXX              | 1000             | 1/year                                       | Grab                 |

Compliance Sampling Location: Outfall 001 after disinfection