

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0232939
APS ID 1057435
Authorization ID 1386185

Applicant, Facility and Project Information

| | | | |
|---------------------------|--|------------------|---|
| Applicant Name | <u>Hunter A & Rachel Guenot</u> | Facility Name | <u>Hunter A & Rachel Guenot</u> |
| Applicant Address | <u>122 Bucktail Lane</u> <u>Moshannon, PA 16859-9305</u> | Facility Address | <u>122 Bucktail Lane</u> <u>Moshannon, PA 16859-9305</u> |
| Applicant Contact | <u>Rachel Guenot</u> | Facility Contact | <u>Rachel Guenot</u> |
| Applicant Phone | <u>(814) 387-4541</u> | Facility Phone | <u>(814) 387-4541</u> |
| Client ID | <u>342516</u> | Site ID | <u>821515</u> |
| SIC Code | <u>4952</u> | Municipality | <u>Burnside Township</u> |
| SIC Description | <u>Trans. & Utilities - Sewerage Systems</u> | County | <u>Centre</u> |
| Date Application Received | <u>February 18, 2022</u> | WQM Required | <u>n/a</u> |
| Date Application Accepted | <u>March 7, 2022</u> | WQM App. No. | <u>n/a</u> |
| Project Description | <u>Renewal of existing NPDES permit for a Single Residence Sewage Treatment Plant (SRSTP).</u> | | |

Summary of Review

The above applicant has submitted an NPDES renewal application for one existing discharge from a single residence sewage treatment plant (SRSTP) that serves a single residence at the above address. The existing discharge is to an unnamed perennial tributary to Sevenmile Run, classified as Cold Water Fishes-Migratory Fishes according to the Department's Chapter 93 Regulations.

The sewage treatment system is 600 gallons per day (5-bedroom house) consisting of a 1500-gallon septic tank equipped with an effluent filter, an EcoFlo CoCo Filter, and UV disinfection prior to discharge. The construction and operations of the treatment system are covered under Water Quality Management Permit No. WQG01141701.

Based on the review of the NPDES renewal application, it is recommended the permit be drafted and published for the required 30-day comment period in the PA Bulletin. Unless otherwise noted, the Department's Standard Operating Procedures (SOP) for New and Reissuance Individual SFTF NPDES Permits (SOP No. BPNPSM-PMT-003) was followed during this review.

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 | | <i>Chad A. Fabian</i> Chad A. Fabian / Project Manager | December 27, 2022 |
| X | | <i>Nicholas W. Hartranft, P.E.</i> Nicholas W. Hartranft, P.E. / Environmental Engineer Manager | December 28, 2022 |

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>.0006</u> |
| Latitude | <u>41° 3' 27.66"</u> | Longitude | <u>-78° 1' 19.77"</u> |
| Wastewater Description: <u>Sewage Effluent</u> | | | |
| Receiving Waters | <u>Unnamed Tributary to Sevenmile Run</u> | Stream Code | <u>25701</u> |
| NHD Com ID | <u>61829317</u> | RMI | <u>0.8400</u> |
| Drainage Area | <u>n/a</u> | Yield (cfs/mi ²) | <u>n/a</u> |
| Q ₇₋₁₀ Flow (cfs) | <u>n/a</u> | Q ₇₋₁₀ Basis | <u>n/a</u> |
| Elevation (ft) | <u></u> | Slope (ft/ft) | <u>n/a</u> |
| Watershed No. | <u>08D</u> | Chapter 93 Class. | <u>Cold Water Fishes, Migratory Fishes</u> |
| Existing Use | <u>CWF-MF</u> | Existing Use Qualifier | <u>n/a</u> |
| Exceptions to Use | <u>None</u> | Exceptions to Criteria | <u>None</u> |
| Assessment Status | <u>Impaired</u> | | |
| Cause(s) of Impairment | <u>Metals, Siltation</u> | | |
| Source(s) of Impairment | <u>Abandoned Mine Drainage, Abandoned Mine Drainage</u> | | |
| TMDL Status | <u>Final</u> | Name | <u>Moshannon Creek Watershed</u> |
| Nearest Downstream Public Water Supply Intake | <u>>100 miles away on West Branch Susquehanna River near Milton, PA.</u> | | |

Changes Since Last Permit Issuance: None

Other Comments: None

| Compliance History | |
|--------------------------------|--|
| Summary of AMRs: | Not observed. |
| Summary of Inspections: | The most recent inspection performed at the facility by the Department occurred on 6/8/2020. No violations were noted at the time of the inspection. |

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) ⁽¹⁾ | | Concentrations (mg/L) | | | | Minimum ⁽²⁾ Measurement Frequency | Required Sample Type |
| | Average Monthly | Average Weekly | Minimum | Average Monthly | Maximum | Instant. Maximum | | |
| Flow (MGD) | Report | XXX | XXX | XXX | XXX | XXX | 1/year | Estimate |
| 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 Geo Mean | XXX | XXX | 1/year | Grab |

Compliance Sampling Location: 001

Other Comments:

- Per the previously mentioned SOP, no modeling was performed since the facility is a single residence small flow system.
- Monitoring and reporting of UV is not required for single residence systems, per the SOP.
- All sampling results will be reported on the Annual Inspection Report (AMR).