

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0290678
APS ID 1055368
Authorization ID 1382724

Applicant, Facility and Project Information

| | | | |
|---------------------------|---|------------------|---|
| Applicant Name | <u>Katherine & Matthew Riley</u> | Facility Name | <u>Katherine & Matthew Riley SRSTP</u> |
| Applicant Address | <u>10491 Route 98</u> <u>Edinboro, PA 16412-9743</u> | Facility Address | <u>10491 Route 98</u> <u>Edinboro, PA 16412-9743</u> |
| Applicant Contact | <u>Katherine Riley</u> | Facility Contact | <u></u> |
| Applicant Phone | <u>(570) 229-5755</u> | Facility Phone | <u></u> |
| Applicant E Mail | <u>katherine.riley05@yahoo.com</u> | Facility E Mail | <u></u> |
| Client ID | <u>367836</u> | Site ID | <u>851021</u> |
| Municipality | <u>Franklin 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. & Utilities - Sewerage Systems</u> |
| Date Application Received | <u>January 20, 2022</u> | WQM Required | <u>Yes, pending</u> |
| Date Application Accepted | <u>February 1, 2022</u> | WQM App. No. | <u>2522403</u> |
| Project Description | <u>Repair of a failed on-lot sewage treatment facility serving an eight-bedroom home.</u> | | |

Summary of Review

No violations on file. Design is for 900-gpd and 2.5-PPD BOD5.

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>William H. Mentzer</i> William H. Mentzer, P.E. Environmental Engineering Specialist | February 1, 2022 |
| X | | Justin C. Dickey Justin C. Dickey, P.E. Environmental Engineer Manager | February 3, 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>.0009</u> |
| Latitude | <u>41° 55' 00.60"</u> | Longitude | <u>-80° 13' 30.90"</u> |
| Latitude | <u>41° 55' 15.93"</u> | Longitude | <u>-80° 13' 40.34"</u> |
| Quad Name | <u>Edinboro North</u> | Quad Code | <u>0304</u> |
| Wastewater: | <u>Treated single residence domestic wastes</u> | | |
| Receiving Waters | <u>Unnamed Tributary to Little Elk Creek</u> | Stream Code | <u>unknown</u> |
| NHD Com ID | <u>123922481</u> | RMI | <u>0.06</u> |
| Drainage Area | <u>3.12 acres</u> | Yield (cfs/mi ²) | <u>0</u> |
| Q ₇₋₁₀ Flow (cfs) | <u>0</u> | Q ₇₋₁₀ Basis | <u>Dry stream</u> |
| Elevation (ft) | <u>1258.00</u> | Slope (ft/ft) | <u></u> |
| Watershed No. | <u>15-A</u> | Chapter 93 Class. | <u>CWF, MF</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 | <u>Dry swale 0.06 mile west then 0.3-mile north to tributary 62532 RMI 4.25 and 0.06 mile above tributary 62533</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></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>City of Erie</u> | | |
| PWS Waters | <u>Lake Erie</u> | Flow at Intake (cfs) | <u>NA</u> |
| PWS RMI | <u>915.04</u> | Distance from Outfall (mi) | <u>25.86</u> |

Changes Since Last Permit Issuance: NA

Other Comments: none

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 | Annual Average | Maximum | Instant. Maximum | | |
| Flow (GPD) | Report Annl Avg | XXX | XXX | XXX | XXX | XXX | 1/year | Estimate |
| pH (S.U.) | XXX | XXX | 6.0 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 requirements are on the Annual Maintenance Report (AMR).