

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0265012
APS ID 1069488
Authorization ID 1406716

Applicant, Facility and Project Information

| | | | |
|---------------------------|--|------------------|--|
| Applicant Name | <u>Richard M. Mirth</u> | Facility Name | <u>Richard M. Mirth SRSTP</u> |
| Applicant Address | <u>2550 Avis Drive</u> <u>Harborcreek, PA 16421-1450</u> | Facility Address | <u>2550 Avis Drive</u> <u>Harborcreek, PA 16421</u> |
| Applicant Contact | <u>Richard M. Mirth (mirthywvu@yahoo.com)</u> | Facility Contact | <u>Richard M. Mirth (mirthywvu@yahoo.com)</u> |
| Applicant Phone | <u>(412) 480-3629</u> | Facility Phone | <u>(412) 480-3629</u> |
| Client ID | <u>333881</u> | Site ID | <u>820060</u> |
| SIC Code | <u>8800</u> | Municipality | <u>Harborcreek Township</u> |
| SIC Description | <u>Private Households</u> | County | <u>Erie</u> |
| Date Application Received | <u>June 23, 2022</u> | WQM Required | <u>No</u> |
| Date Application Accepted | <u>August 17, 2022</u> | WQM App. No. | <u>-</u> |
| Project Description | <u>Renewal of an NPDES Permit for an existing discharge of treated sanitary wastewater from a Single Residence Sewage Treatment Plant (SRSTP).</u> | | |

Summary of Review

Act 14 - Proof of Notification was submitted and received.

The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

I. OTHER REQUIREMENTS:

- | | |
|--|---------------------------------|
| A. AMRs | F. Stormwater into sewers |
| B. DMRs | G. Right of way |
| C. Depth of Septage and Scum Measurement | H. Solids handling |
| D. Septic Tank Pumping | I. Public Sewerage Availability |
| E. Effluent Chlorine Optimization and Minimization | |

SPECIAL CONDITIONS: None.

Permitted treatment consists of: A Norweco Singulair Green Model 960 aerobic unit consisting of a pretreatment chamber, an aeration chamber, and a final clarification chamber followed by a Norweco Hydro-Kinetic Bio-Film reactor and a Norweco AT-1500 UV disinfection unit.

There are no open violations in efacts associated with the subject Client ID (333881) as of 7/12/2023. *7/24/2023 CWY*

| Approve | Deny | Signatures | Date |
|---------|------|---|-----------|
| X | | Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist | 7/12/2023 |
| X | | Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager | 7/24/2023 |

Discharge, Receiving Waters and Water Supply Information

| | | | |
|--|--|------------------------------|------------------------|
| Outfall No. | <u>001</u> | Design Flow (MGD) | <u>0.0004</u> |
| Latitude | <u>42° 09' 45.00"</u> | Longitude | <u>-79° 56' 23.20"</u> |
| Quad Name | <u>-</u> | Quad Code | <u>-</u> |
| Wastewater Description: <u>Sewage Effluent</u> | | | |
| Receiving Waters | <u>Unnamed Tributary to the Elliotts Run (CWF, MF)</u> | Stream Code | <u>N/A</u> |
| NHD Com ID | <u>123923692</u> | RMI | <u>N/A</u> |
| Drainage Area | <u>-</u> | Yield (cfs/mi ²) | <u>-</u> |
| Q ₇₋₁₀ Flow (cfs) | <u>-</u> | Q ₇₋₁₀ Basis | <u>-</u> |
| Elevation (ft) | <u>-</u> | Slope (ft/ft) | <u>-</u> |
| Watershed No. | <u>15-A</u> | Chapter 93 Class. | <u>CWF, MF</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>-</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>-</u> | |
| PWS Waters | <u>-</u> | Flow at Intake (cfs) | <u>-</u> |
| PWS RMI | <u>-</u> | Distance from Outfall (mi) | <u>-</u> |

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.

This SFTF is designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to the use of a Norweco Singular Green Model 960 aerobic unit.

No modeling was performed for this NPDES Permit as the Norweco Singular Model 960 is capable of meeting CBOD5 averages of 6 mg/l and TSS averages of 10 mg/l, which is less than the inputs of the WQ model.

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 (MGD) | 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 Ultraviolet (UV) light disinfection.

Flow is monitor only based on Chapter 92a.61. The limits for pH are technology-based on Chapter 93.7. The limits for BOD₅, Total Suspended Solids, and Fecal Coliforms are technology-based on Chapter 92a.47.