

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0091065
APS ID 1101662
Authorization ID 1463201

Applicant, Facility and Project Information

| | | | |
|---------------------------|---|------------------|---|
| Applicant Name | <u>Emily & Ryan Rekich</u> | Facility Name | <u>Emily & Ryan Rekich SRSTP</u> |
| Applicant Address | <u>114 Cobham Lane</u> <u>Cabot, PA 16023-9726</u> | Facility Address | <u>114 Cobham Lane</u> <u>Cabot, PA 16023-9726</u> |
| Applicant Contact | <u>Ryan Rekich</u> | Facility Contact | <u></u> |
| Applicant Phone | <u>(724) 355-7927</u> | Facility Phone | <u></u> |
| Client ID | <u>349197</u> | Site ID | <u>247487</u> |
| SIC Code | <u>8800</u> | Municipality | <u>Winfield Township</u> |
| SIC Description | <u>Private Households</u> | County | <u>Butler</u> |
| Date Application Received | <u>November 8, 2023</u> | WQM Required | <u></u> |
| Date Application Accepted | <u></u> | WQM App. No. | <u></u> |
| Project Description | <u>Renewal of an NPDES permit for an SRSTP.</u> | | |

Summary of Review

Act 14 – Proof of Notification was submitted and received.

Treatment consists of (WQM Permit No. 1079409): A Jet Model J-150 package STP consisting of a primary sedimentation chamber, an aeration chamber, and a settling/clarification chamber. Secondary treatment is provided via an upflow filter, followed by tablet chlorine disinfection with a 170 gallon contact tank.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (349197) as of 1/22/2024.

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 | | Jordan A. Frey, E.I.T. Jordan A. Frey, E.I.T. / Project Manager | January 22, 2024 |
| | | Vacant / Environmental Engineer Manager | Okay to Draft JCD 1/22/2024 |

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>.0004</u> |
| Latitude | <u>40° 47' 2.16"</u> | Longitude | <u>-79° 46' 53.44"</u> |
| Quad Name | <u></u> | Quad Code | <u></u> |
| Wastewater Description: <u>Sewage Effluent</u> | | | |
| Receiving Waters | <u>Unnamed Tributary of Little Buffalo Creek (HQ-TSF)</u> | Stream Code | <u>42590</u> |
| NHD Com ID | <u>123973204</u> | RMI | <u></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>18-F</u> | Chapter 93 Class. | <u>HQ-TSF</u> |
| Existing Use | <u></u> | Existing Use Qualifier | <u></u> |
| Exceptions to Use | <u></u> | Exceptions to Criteria | <u></u> |
| Assessment Status | <u>Impaired</u> | | |
| Cause(s) of Impairment | <u>HABITAT ALTERATIONS, NUTRIENTS, NUTRIENTS</u> | | |
| Source(s) of Impairment | <u>AGRICULTURE, ON-SITE TREATMENT SYSTEMS (SEPTIC SYSTEMS AND SIMILAR DECENTRALIZED SYSTEMS), REMOVAL OF RIPARIAN VEGETATION</u> | | |
| TMDL Status | <u></u> | Name | <u></u> |
| Background/Ambient Data | | Data Source | |
| pH (SU) | <u>7.0</u> | Default | <u></u> |
| Temperature (°F) | <u>25</u> | Default | <u></u> |
| Hardness (mg/L) | <u>100</u> | Default | <u></u> |
| Other: | <u></u> | | <u></u> |
| Nearest Downstream Public Water Supply Intake | <u>Allegheny County Sanitary Authority (ALCOSAN)</u> | | |
| PWS Waters | <u>Allegheny River</u> | Flow at Intake (cfs) | <u>1407</u> |
| PWS RMI | <u>1.0</u> | Distance from Outfall (mi) | <u>>25</u> |

Changes Since Last Permit Issuance: None.

Other Comments: None.

This is an existing and previously approved discharge to a High-Quality watershed. No expansion or changes to effluent quantity or quality are proposed. Therefore, no additional anti-degradation review should be required. JCD

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 | 1/month | Grab |
| TRC | XXX | XXX | XXX | Report 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 |
| E. Coli (No./100 ml) | XXX | XXX | XXX | XXX | XXX | Report | 1/year | Grab |

Compliance Sampling Location: Outfall 001, after disinfection.

Other Comments: None.

Attachment 1
eMap – Location Map

The screenshot shows a web-based mapping application interface. At the top, there are tabs for 'Map', 'eFacts Query', and 'Advanced Query'. Below these are map style options: 'ESRI Streets & Imagery' (selected), 'Topographic', and 'National Geographic'. A toolbar contains various navigation icons. On the right, a 'Locate Latitude and Longitude' dialog box is open, showing input fields for Latitude (40, 47, 1) and Longitude (-79, 46, 55) in DD/MM/SS format, with 'Locate' and 'Close' buttons. A pop-up window titled 'PA Historic Streams (1 of 4)' is overlaid on the map, displaying the following metadata for a selected stream segment:

- Name: Trib 42590 Of Little Buffalo Creek
- Net Streams: 81268
- Shed: 18F
- Named: 0
- Rec No: 81268
- Seg ID: 42590_0_0.571
- Seg ID Old: 42590_0_0.571
- From Node: 63325
- To Node: 63648
- Down River Mile: 0
- Up River Mile: 0.571007
- WRDS: 42590
- Strahler: 1

The map shows a blue stream segment highlighted with a yellow 'X' marker. The coordinates 'Latitude: 40.783611 - Longitude: -105.460556' are displayed next to the marker. A scale bar at the bottom left indicates 0 to 0.2 miles. The Esri logo is visible in the bottom right corner.

Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Attachment 2
Google Earth Imagery

