

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0290173
APS ID 1052486
Authorization ID 1377652

Applicant, Facility and Project Information

| | | | |
|---------------------------|--|------------------|--|
| Applicant Name | <u>Ronnie L. Keller</u> | Facility Name | <u>Ronnie Keller SRSTP</u> |
| Applicant Address | <u>258 Turkey Cove</u> <u>New Braunfels, TX 78132-1662</u> | Facility Address | <u>275 Belmar Acres Road</u> <u>Franklin, PA 16323-4115</u> |
| Applicant Contact | <u>Ronnie Keller</u> | Facility Contact | <u>Ronnie Keller</u> |
| Applicant Phone | <u>(832) 693-9186</u> | Facility Phone | <u>(832) 693-9186</u> |
| Client ID | <u>366979</u> | Site ID | <u>852518</u> |
| SIC Code | <u>8800</u> | Municipality | <u>Sandycreek Township</u> |
| SIC Description | <u>Private Households</u> | County | <u>Venango</u> |
| Date Application Received | <u>December 1, 2021</u> | WQM Required | <u>Yes</u> |
| Date Application Accepted | <u>December 8, 2021</u> | WQM App. No. | <u>6121403</u> |
| Project Description | <u>NPDES Permit application for a Single Residence Sewage Treatment Plant.</u> | | |

Summary of Review

This is a new discharge for an existing 3-bedroom home to a repair of an existing malfunctioning on-lot system.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of (WQM Permit No. 6121403): A Premier Tech Ecoflo EC7-500-P-P Coco filter with an integrated DiUV ultraviolet (UV) disinfection unit

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (366979) as of 1/4/2022.

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. / Civil Engineer Trainee | January 6, 2022 |
| X | | Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager | January 6, 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>.0004</u> |
| Latitude | <u>41° 19' 37.39"</u> | Longitude | <u>-79° 46' 39.18"</u> |
| Quad Name | <u>Kennerdell</u> | Quad Code | <u>41079C7</u> |
| Wastewater Description: <u>Sewage Effluent</u> | | | |
| Receiving Waters | <u>Allegheny River (WWF)</u> | Stream Code | <u>42122</u> |
| NHD Com ID | <u>100478113</u> | RMI | <u>0.0500</u> |
| Drainage Area | <u>6090</u> | Yield (cfs/mi ²) | <u>0.1</u> |
| Q ₇₋₁₀ Flow (cfs) | <u>609</u> | Q ₇₋₁₀ Basis | <u>Default</u> |
| Elevation (ft) | <u>944</u> | Slope (ft/ft) | <u>---</u> |
| Watershed No. | <u>16-G</u> | Chapter 93 Class. | <u>WWF</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>MERCURY, MERCURY, MERCURY, MERCURY, MERCURY, MERCURY</u> | | |
| Source(s) of Impairment | <u>SOURCE UNKNOWN, SOURCE UNKNOWN, SOURCE UNKNOWN, SOURCE UNKNOWN, SOURCE UNKNOWN, SOURCE UNKNOWN</u> | | |
| TMDL Status | Name _____ | | |
| Background/Ambient Data | Data Source | | |
| pH (SU) | <u>7.0</u> | Default | |
| Temperature (°F) | <u>20</u> | Default | |
| Hardness (mg/L) | <u>100</u> | Default | |
| Other: | _____ | | |
| Nearest Downstream Public Water Supply Intake | <u>Aqua Pennsylvania, Inc. - Emlenton</u> | | |
| PWS Waters | <u>Allegheny River</u> | Flow at Intake (cfs) | <u>1376</u> |
| PWS RMI | <u>90.0</u> | Distance from Outfall (mi) | <u>>25</u> |

Changes Since Last Permit Issuance: N/A – This is a proposed discharge (Planning was approved on August 4, 2021).

Other Comments:

This SRSTP was 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 Coco Filter unit. The proposed discharge is to resolve a repair of a malfunctioning on-lot system.

The Coco Filter unit is reportedly capable of meeting CBOD5 averages of 10 mg/l and TSS averages of 10 mg/l.

In accordance with the SOP, no water quality modeling was performed since this is a SRSTP.

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.

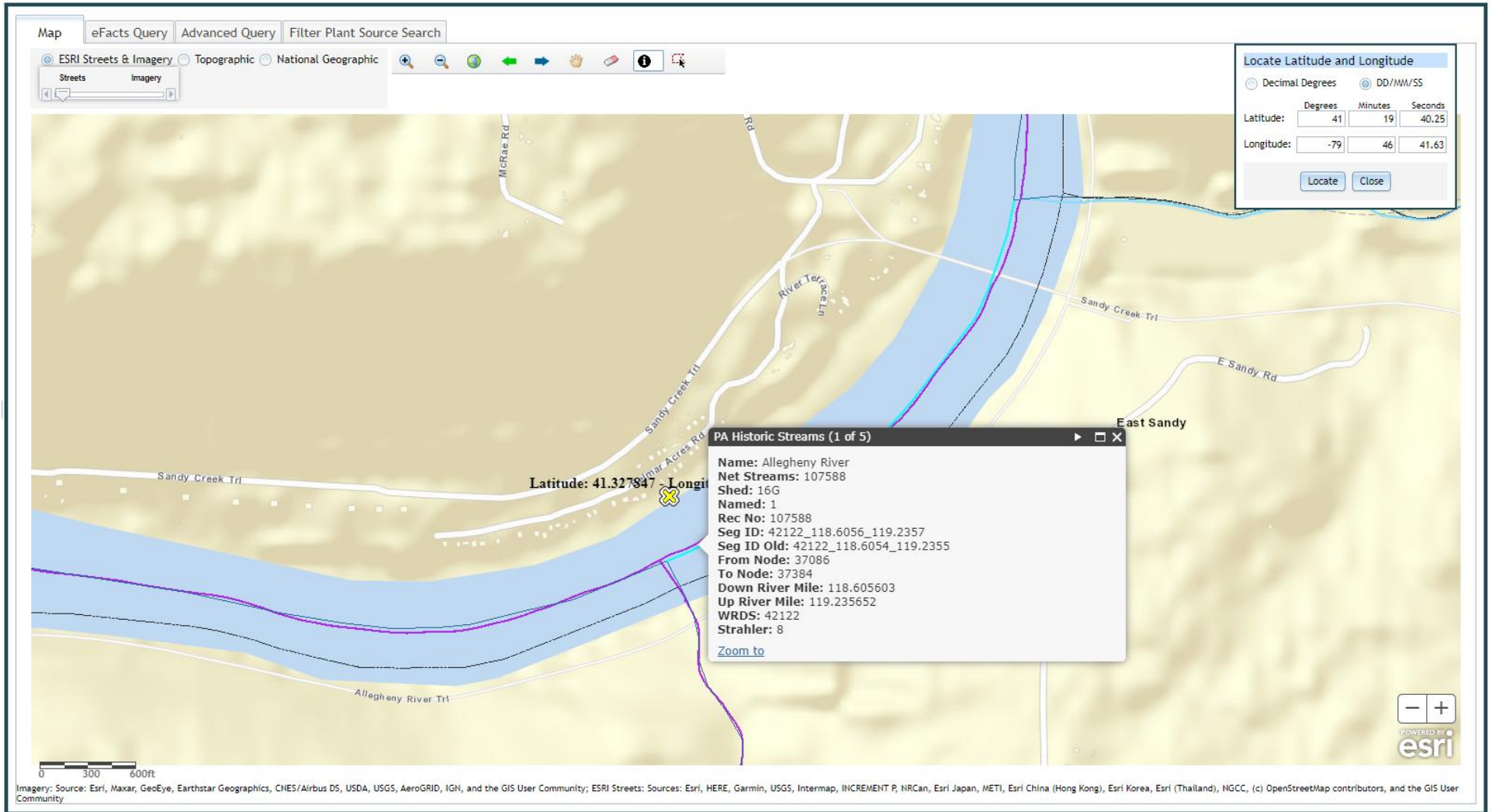
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

| 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 | 1/year | Grab |
| TSS | XXX | XXX | XXX | 10.0 | XXX | 20 | 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: None.

Attachment 1
eMap – Location Map



Attachment 2
Google Earth Imagery

