

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0288675
APS ID 1147208
Authorization ID 1543786

Applicant, Facility and Project Information

| | |
|---|--|
| Applicant Name <u>Aaron Knight</u> | Facility Name <u>Aaron Knight SRSTP</u> |
| Applicant Address <u>11197 Damsite Road</u> <u>North East, PA 16428-5223</u> | Facility Address <u>11197 Damsite Road</u> <u>North East, PA 16428-5223</u> |
| Applicant Contact <u>Aaron Knight</u> | Facility Contact <u>Aaron Knight</u> |
| Applicant Phone <u>(814) 566-3076</u> | Facility Phone <u>(814) 566-3076</u> |
| Client ID <u>357840</u> | Site ID <u>842074</u> |
| SIC Code <u>8800</u> | Municipality <u>North East Township</u> |
| SIC Description <u>Private Households</u> | County <u>Erie</u> |
| Date Application Received <u>September 29, 2025</u> | WQM Required <u>Previously issued - 2520419</u> |
| Date Application Accepted _____ | WQM App. No. <u>--</u> |
| Project Description <u>Renewal application for Single Resident Sewage Treatment Plant</u> | |

Summary of Review

The permittee is applying for reissuance of Individual Permit No. PA0288675 that would expire on October 31, 2025. The existing discharge serves a 3-bedroom home and discharges into Tributary 62292 of Sixteenmile Creek.

The existing facility consists of (WQM Permit No. 2520419): a 1,000-gallon dual chambered concrete septic tank followed by a Premier Tech EC7 Coco Filter unit with integrated UV unity and pump preinstalled

Act 14 notifications were submitted and received.

No AMRs were located.

There are no open violations in WMS for the subject Client ID (357840) as of October 7, 2025.

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 | | Carlee Wilson Carlee Wilson / Environmental Engineering Trainee | October 7, 2025 |
| X | | Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager | October 8, 2025 |

Discharge and Stream Data – 2 - Receiving Waters and PWS

| Discharge, Receiving Waters and Water Supply Information | | | |
|--|--|----------------------------|------------------|
| Outfall No. | 001 | Design Flow (MGD) | .0004 |
| Latitude | 42° 10' 15.90" | Longitude | -79° 49' 14.24" |
| Quad Name | - | Quad Code | - |
| Wastewater Description: Sewage Effluent | | | |
| Receiving Waters | Unnamed Tributary to Sixteenmile Creek (CWF, MF) | Stream Code | 62292 |
| NHD Com ID | 123924584 | RMI | 0.3200 |
| Drainage Area | 0.41 | Yield (cfs/mi²) | 0.047 |
| Q ₇₋₁₀ Flow (cfs) | 0.0194 | Q ₇₋₁₀ Basis | USGS StreamStats |
| Elevation (ft) | - | Slope (ft/ft) | - |
| Watershed No. | 15-A | Chapter 93 Class. | CWF, MF |
| Existing Use | - | Existing Use Qualifier | - |
| Exceptions to Use | - | Exceptions to Criteria | - |
| Assessment Status | Attaining Use(s) | | |
| Cause(s) of Impairment | - | | |
| Source(s) of Impairment | - | | |
| TMDL Status | - | Name | - |
| Background/Ambient Data | | Data Source | |
| pH (SU) | - | | - |
| Temperature (°F) | - | | - |
| Hardness (mg/L) | - | | - |
| Other: | - | | - |
| Nearest Downstream Public Water Supply Intake | - | | |
| PWS Waters | - | Flow at Intake (cfs) | - |
| PWS RMI | - | Distance from Outfall (mi) | - |

Changes Since Last Permit Issuance: None

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

This SFTF was designed where applicable in accordance with the SFTF Manual, but it does not qualify for coverage under the PAG-04 General Permit due to the use of a Premier Tech EC7 Coco Filter unit.

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.

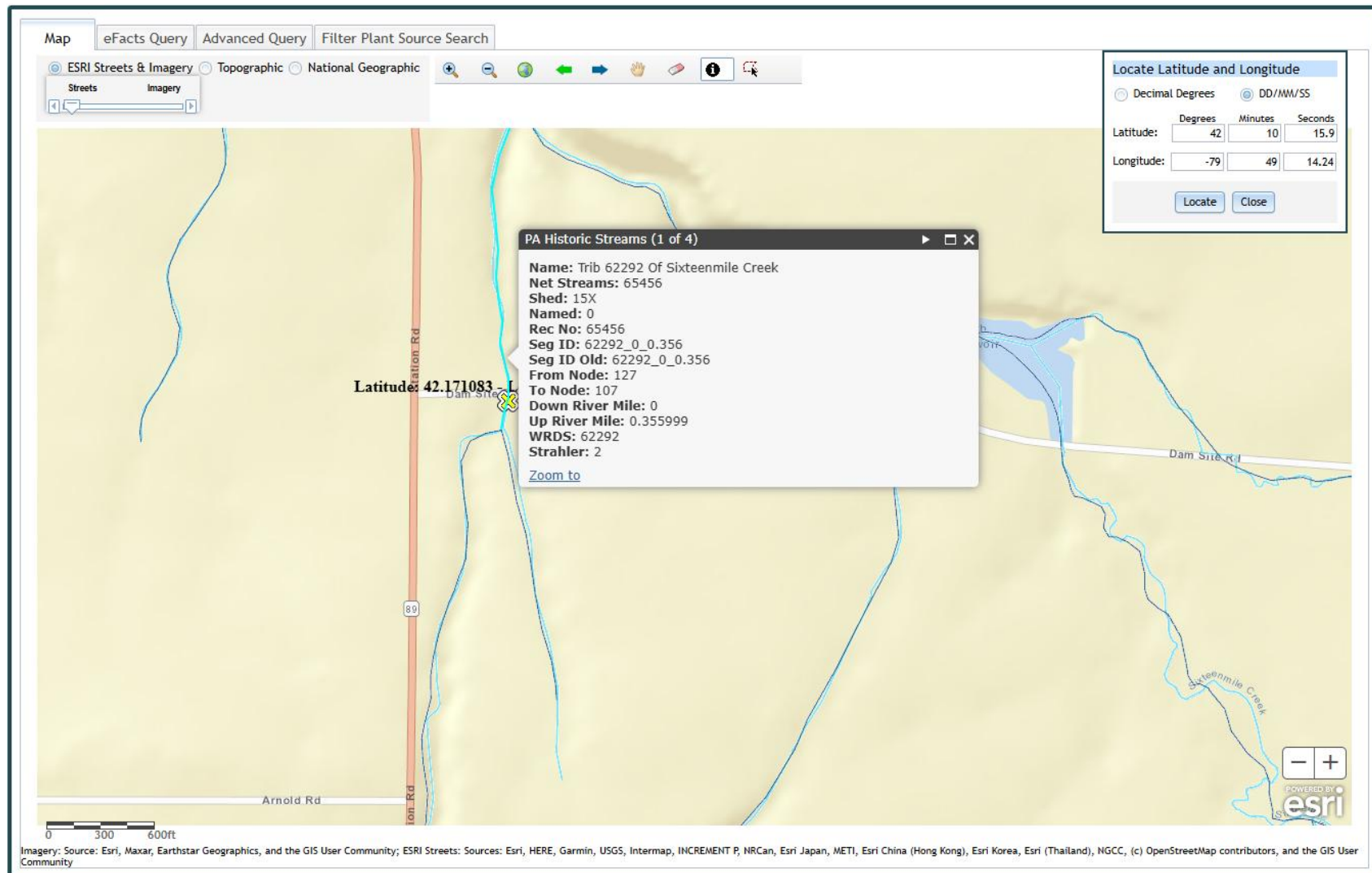
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

| 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 |
| BOD ₅ | 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: Effluent limits were retained from the previous permit cycle. Flow is monitor only based on Chapter 92a.61. The limits for BOD₅, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

Attachment 1
eMapPA – Receiving Stream Location and Data



Attachment 2
Google Earth – Aerial Site View

