

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0272841
APS ID 1145491
Authorization ID 1540994

Applicant, Facility and Project Information

| | |
|--|--|
| Applicant Name <u>Shaun Black</u> | Facility Name <u>Shaun Black SRSTP</u> |
| Applicant Address <u>1948 Bagdad Road</u> | Facility Address <u>1948 Bagdad Road</u> |
| <u>Waterford, PA 16441-9146</u> | <u>Waterford, PA 16441-9146</u> |
| Applicant Contact <u>Shaun Black</u> | Facility Contact _____ |
| Applicant Phone <u>(814) 591-6959</u> | Facility Phone _____ |
| Client ID <u>330652</u> | Site ID <u>777704</u> |
| SIC Code <u>8800</u> | Municipality <u>Waterford Township</u> |
| SIC Description <u>Private Households</u> | County <u>Erie</u> |
| Date Application Received <u>September 8, 2025</u> | WQM Required <u>-</u> |
| Date Application Accepted <u>September 25, 2025</u> | WQM App. No. _____ |
| Project Description <u>Renewal for a Single Residence Sewage Treatment Plant</u> | |

Summary of Review

The permittee is applying for reissuance of Individual Permit **PA0272841** that expired on July 31, 2025. This is a discharge into stream channel - Trib 53505 To Trout Run which is a High Quality (HQ) watershed. The average daily flow is projected to be 500 GPD.

Act 14 notifications were submitted and received.

The existing facility consists of: Septic tank with effluent filter, dosing tank with submersible pump, recirculating subsurface sand filter, and UV disinfection.

AMRs were received and appears to be operational.

There are no open violations in WMS for the subject Client ID (**330652**) as of September 25, 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 | | Adebayo Olude Adebayo Olude / Civil Engineer Trainee | September 25, 2025 |
| X | | Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager | September 26, 2025 |

Discharge and Stream Data – 2 - Receiving Waters and PWS

| Discharge, Receiving Waters and Water Supply Information | | | |
|--|---|----------------------------|------------------|
| Outfall No. | 001 | Design Flow (MGD) | .0005 |
| Latitude | 41° 57' 27.66" | Longitude | -80° 3' 20.02" |
| Quad Name | Cambridge Springs | Quad Code | 41080H1 |
| Wastewater Description: | | Sewage Effluent | |
| Receiving Waters | Unnamed Tributary to Trout Run (HQ-CWF) | Stream Code | 53505 |
| NHD Com ID | 127344919 | RMI | 0.2800 |
| Drainage Area | 0.96 | Yield (cfs/mi²) | 0.0439 |
| Q ₇₋₁₀ Flow (cfs) | 0.0422 | Q ₇₋₁₀ Basis | USGS StreamStats |
| Elevation (ft) | | Slope (ft/ft) | - |
| Watershed No. | 16-A | Chapter 93 Class. | HQ-CWF |
| Existing Use | 1394 | 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) | 7 | Default | |
| Temperature (°F) | 20 | Default - CWF | |
| Hardness (mg/L) | 100 | Default | |
| Other: | | | |
| Nearest Downstream Public Water Supply Intake | Cambridge Springs Borough | | |
| PWS Waters | French Creek | Flow at Intake (cfs) | 51.45 |
| PWS RMI | 48.35 | Distance from Outfall (mi) | >10miles |

Changes Since Last Permit Issuance: Elevation was revised using Google Earth. Drainage Area and Q₇₋₁₀ Flow were revised using USGS StreamStats.

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 discharge into a High Quality Watershed.

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.

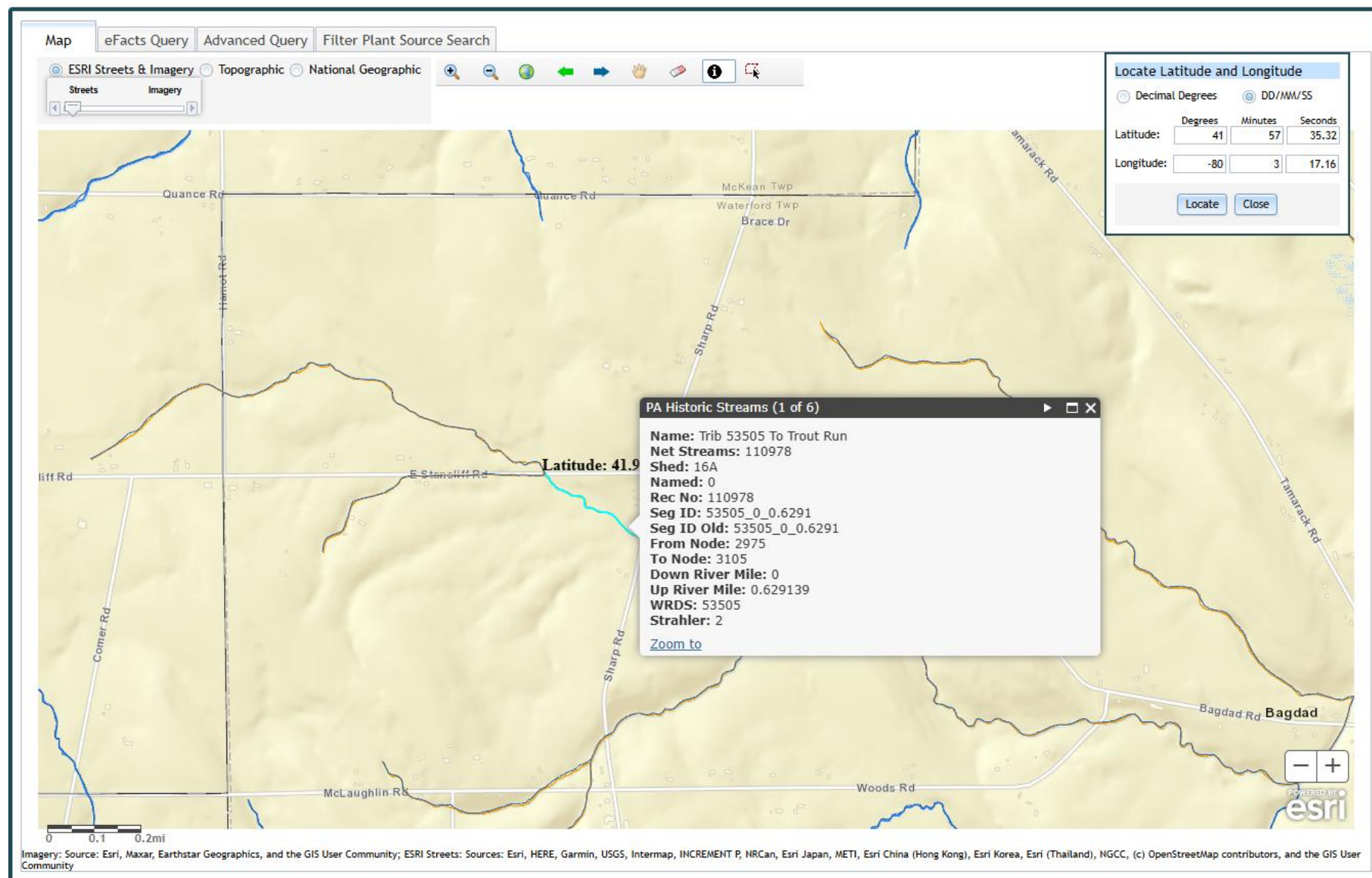
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

| 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 |
| CBOD5 | 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 |

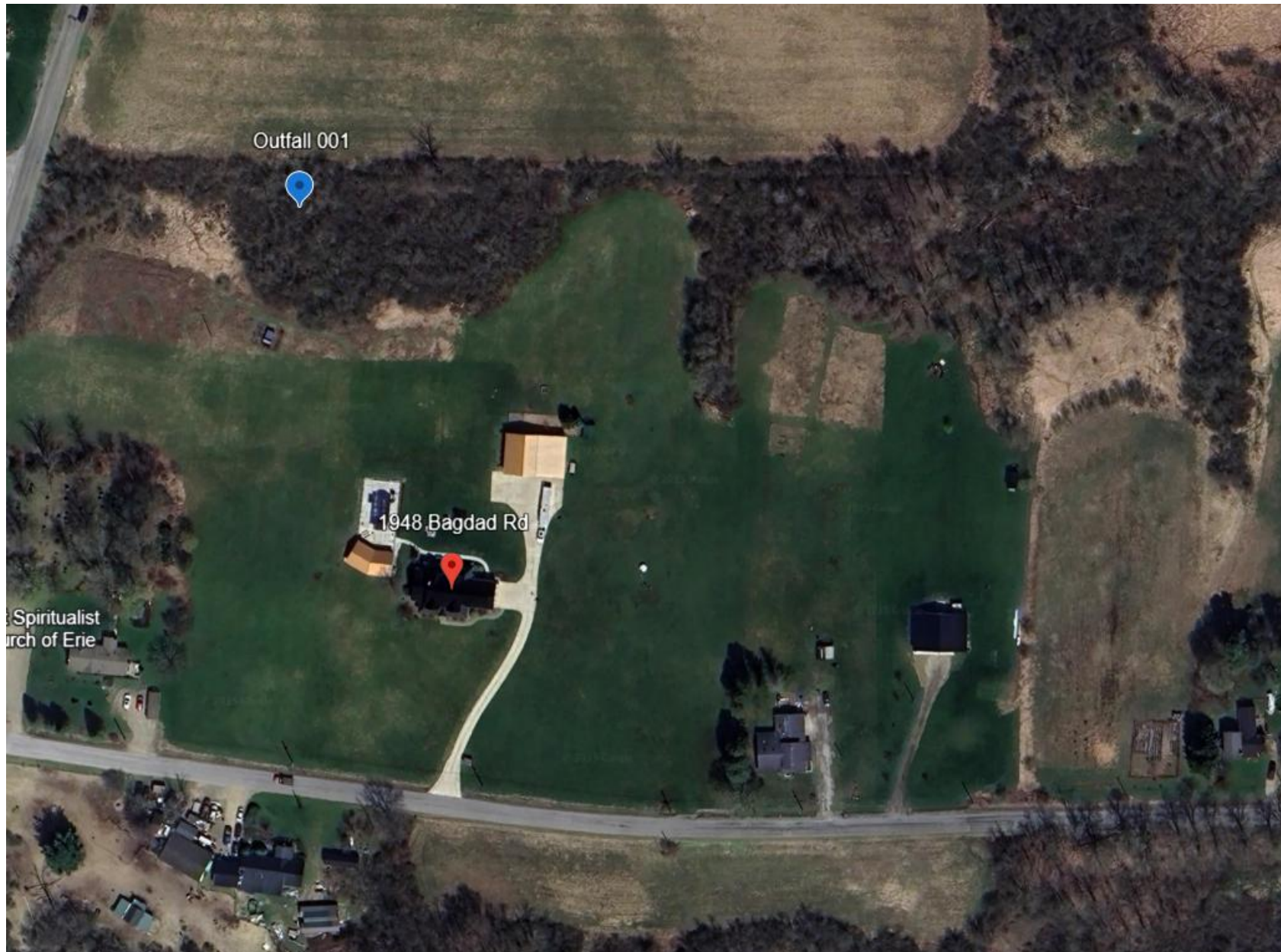
Compliance Sampling Location: Outfall 001, after disinfection.

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

Attachment 1
eMAP- Receiving Streams Information



Attachment 2
Google Earth - Imagery

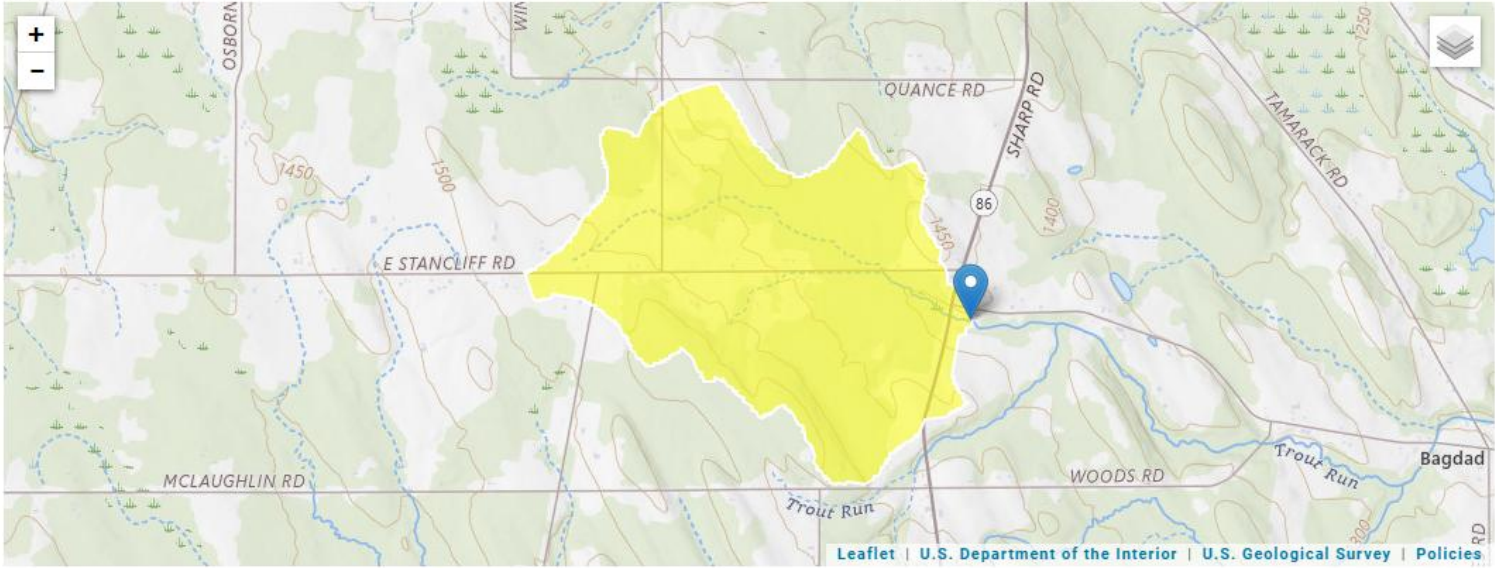


Attachment 3
StreamStats Report

StreamStats Report

Region ID:
Workspace ID:
Clicked Point (Latitude, Longitude):
Time:

PA
PA20250925125315605000
41.95772, -80.05579
2025-09-25 08:53:38 -0400



⊞ Collapse All

| ➤ Basin Characteristics | | | |
|-------------------------|---|-------|--------------|
| Parameter Code | Parameter Description | Value | Unit |
| DRNAREA | Area that drains to a point on a stream | 0.96 | square miles |
| ELEV | Mean Basin Elevation | 1469 | feet |
| PRECIP | Mean Annual Precipitation | 45 | inches |