

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>
Applicant Contact	<u>Shaun Black</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 591-6959</u>	Facility Phone	<u></u>
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.	<u></u>
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/mi ²)	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.

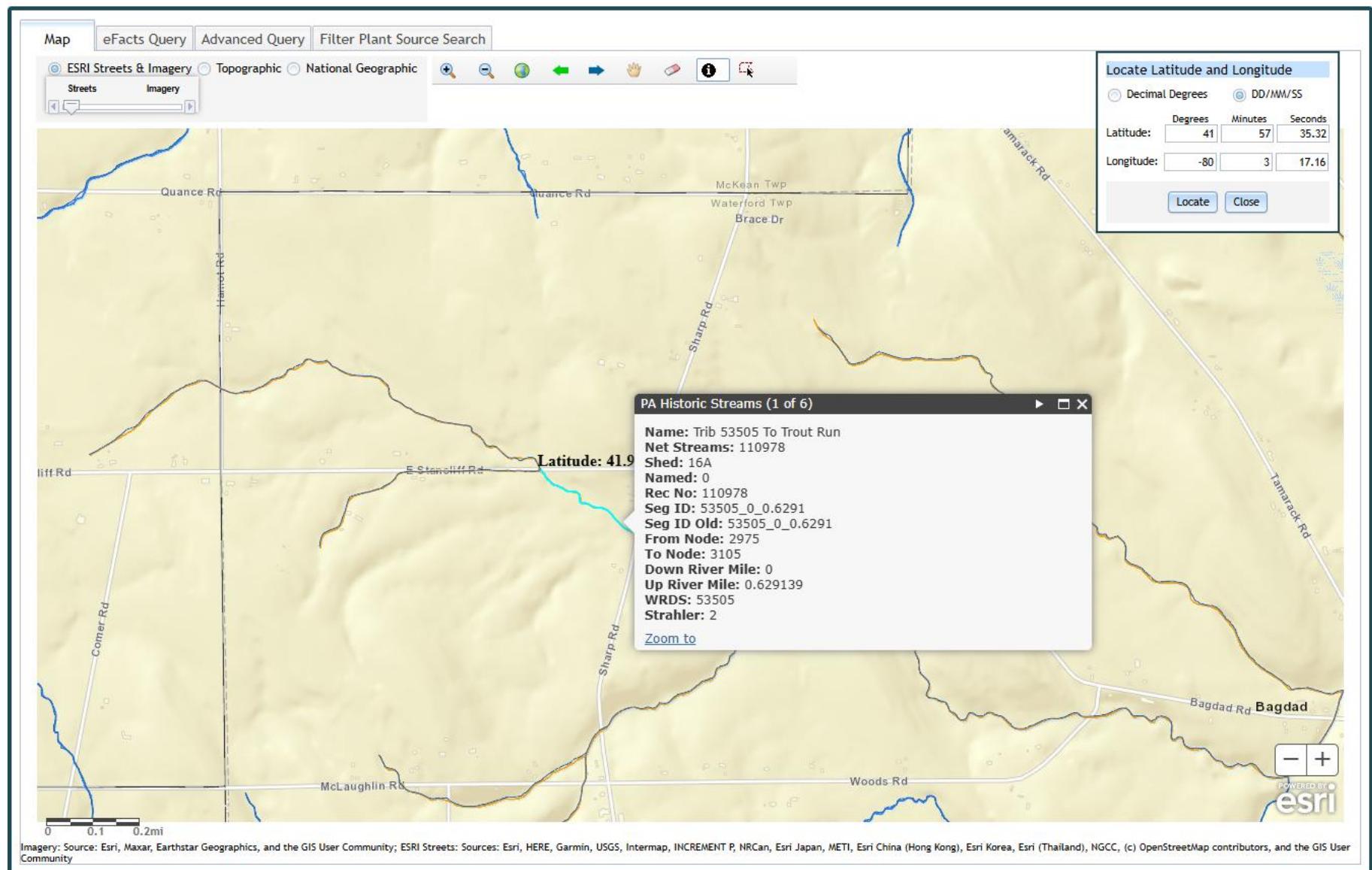
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	XXX	1/year
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

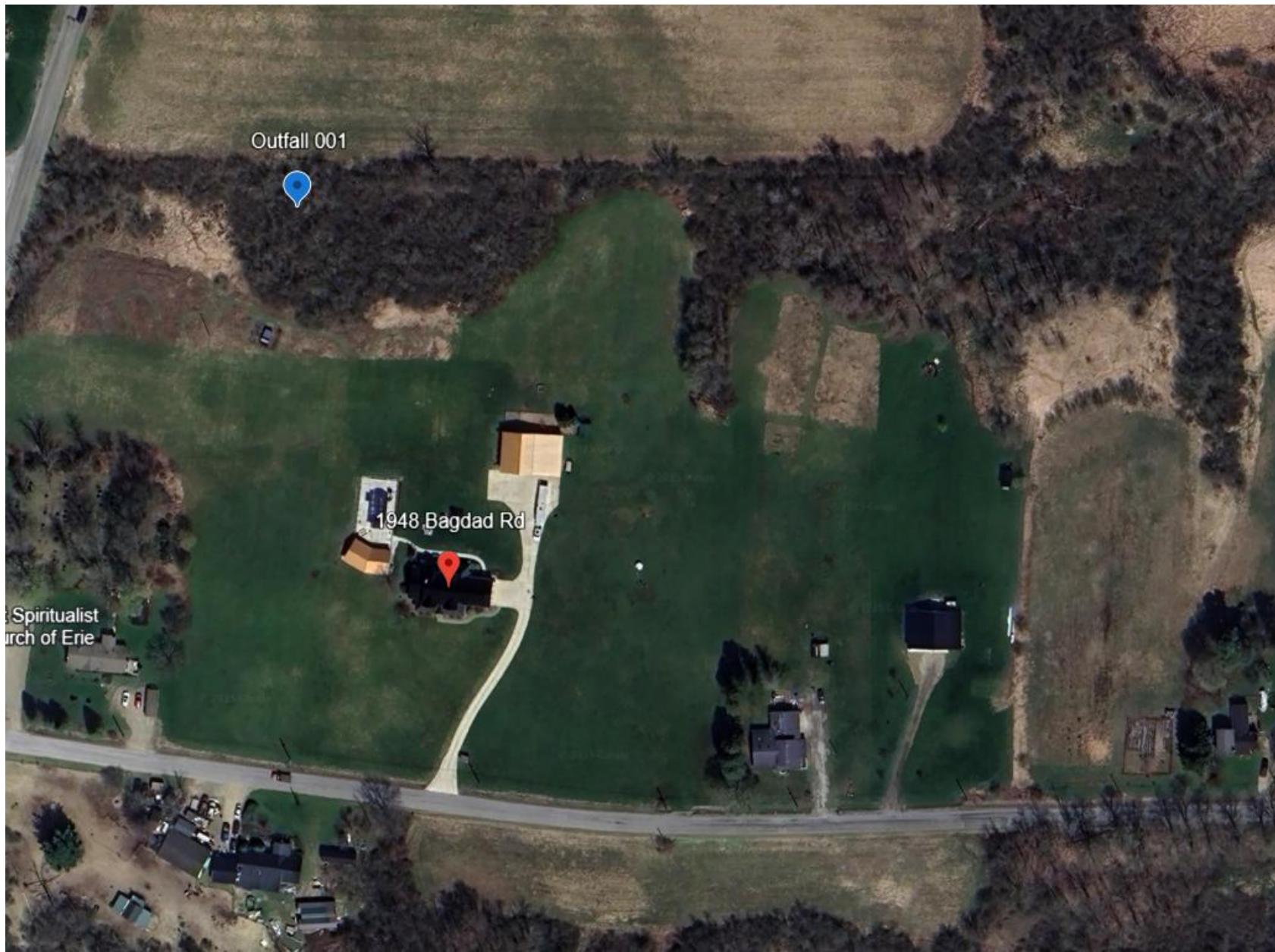
Compliance Sampling Location: Outfall 001, after disinfection.

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):

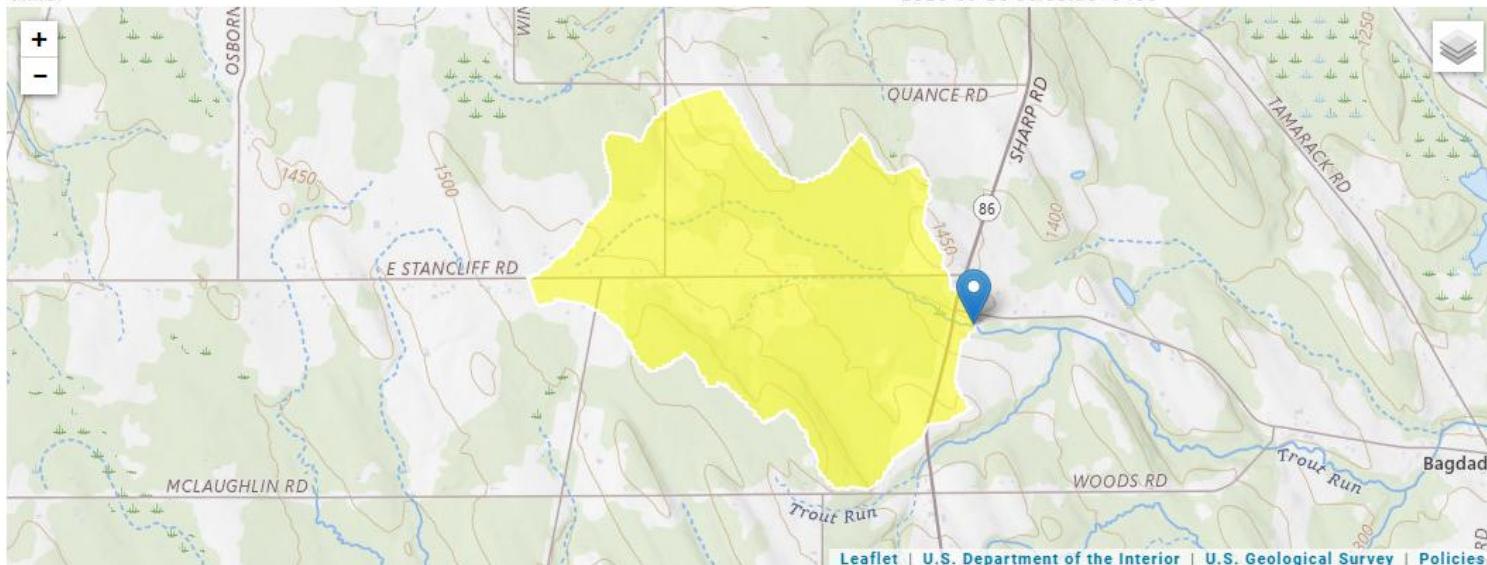
Time:

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