

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

## NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0288276  
APS ID 1136938  
Authorization ID 1526564

### Applicant, Facility and Project Information

Applicant Name <u>Brandon Persch</u>	Facility Name <u>Brandon Persch SRSTP</u>
Applicant Address <u>1171 Barkeyville Road</u> <u>Grove City, PA 16127-4901</u>	Facility Address <u>1171 Barkeyville Road</u> <u>Grove City, PA 16127</u>
Applicant Contact <u>Brandon Persch</u>	Facility Contact _____
Applicant Phone <u>(724) 992-2803</u>	Facility Phone _____
Client ID <u>355696</u>	Site ID <u>840545</u>
SIC Code <u>8800</u>	Municipality <u>Pine Township</u>
SIC Description <u>Private Households</u>	County <u>Mercer</u>
Date Application Received <u>April 29, 2025</u>	WQM Required <u>Previously issued - 1330233</u>
Date Application Accepted <u>May 13, 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 PA0288276 that would expire on August 31, 2025. This is a discharge into unnamed tributary 34331 of Wolf Creek. The average daily flow is projected to be 400 GPD.

Act 14 notifications were submitted and received.

The existing facility of (WQM Permit No. **1330233**) issued on August 4, 2020, consist of: A Premier Tech EC7-500-P-P-PACK unit with an integrated pump, Ultraviolet (UV) light disinfection unit and effluent pumping.

The permittee's AMR was not found on the system.

There are no open violations in WMS for the subject Client ID (355696) as of May 13, 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	May 13, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	May 29, 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	41° 11' 1.11"	Longitude	-80° 1' 11.49"
Quad Name	Grove city	Quad Code	41080B1
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary of Wolf Creek (CWF)	Stream Code	34331
NHD Com ID	126219180	RMI	0.7600
Drainage Area	0.58	Yield (cfs/mi²)	0.0077
Q7-10 Flow (cfs)	0.00451	Q7-10 Basis	USGS Stream Stats
Elevation (ft)	1295	Slope (ft/ft)	---
Watershed No.	20-C	Chapter 93 Class.	CWF
Existing Use	CWF	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)	7.0	Default	
Temperature (°F)	20	Default-CWF	
Hardness (mg/L)	100	Default	
Other:			
Nearest Downstream Public Water Supply Intake	Pennsylvania American Water Company - Ellwood City		
PWS Waters	Slippery Rock Creek	Flow at Intake (cfs)	53.1
PWS RMI	0.1	Distance from Outfall (mi)	39.8

Changes Since Last Permit Issuance: N/A

Other Comments: This facility was designed in accordance with the STSF manual; however, it is not eligible for coverage under the PAG-04 General permit as the system is not available for coverage under the General permit.

This facility was installed prior to the discovery that the loading rate for the EC-7 treatment unit were under designed; the department is not prohibiting discharge from this system due to the under designed loading rate, but it may be of concern in future or if additional loading is proposed.

**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.

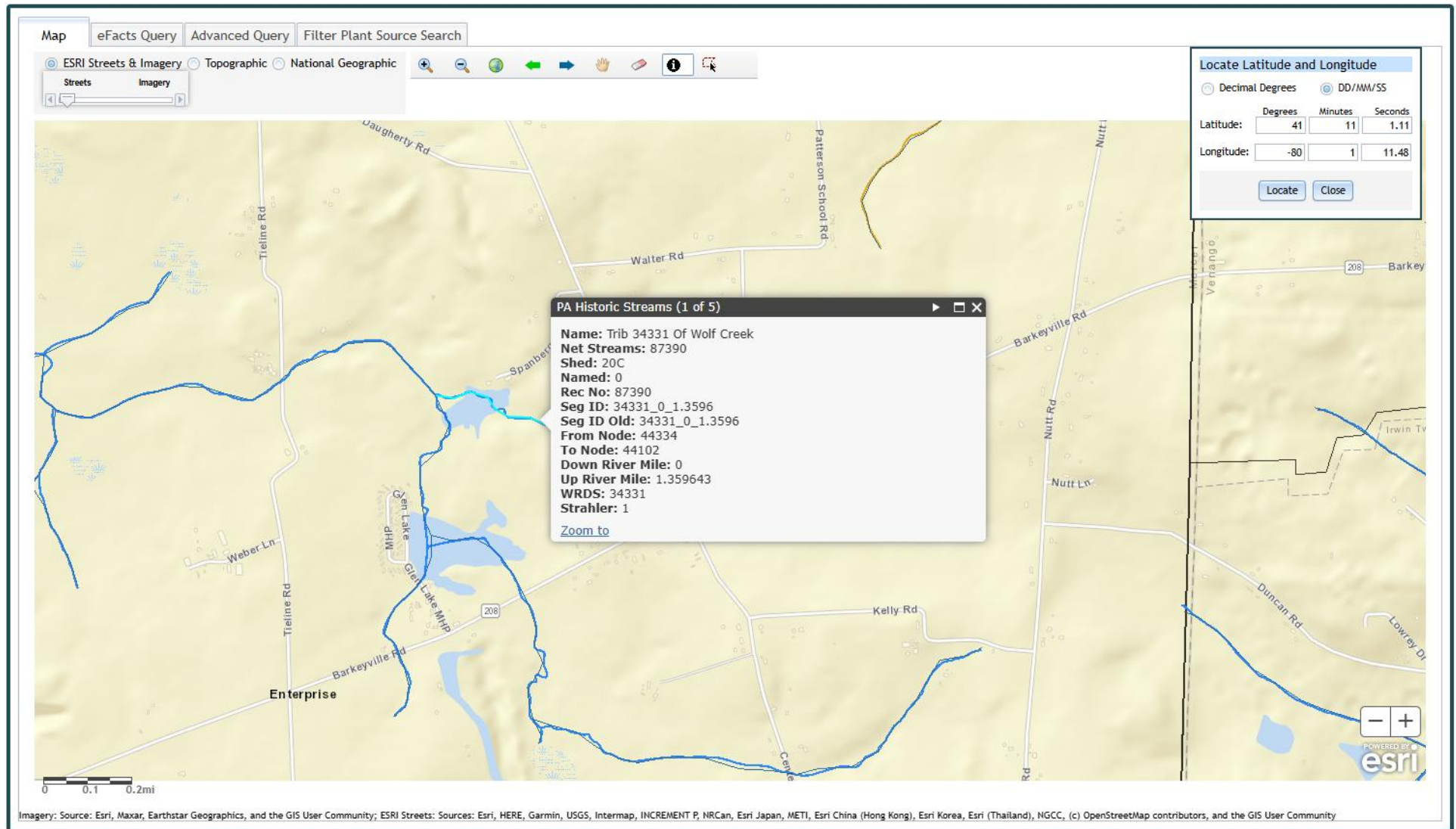
**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Daily Maximum	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	Upon Request	Grab
CBOD5	XXX	XXX	XXX	10.0 Annl Avg	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

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for CBOD5, Total Suspended Solids are BPJ-based on the Department's "Small Flow Treatment Facilities Manual." Fecal Coliform are technology-based on Chapter 92a.47.

Attachment 1  
eMap -Receiving streams information



Attachment 2  
Google Earth- site Imagery

