pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**New**	Application No.	**PA0295671**
Wastewater Type	**Sewage**	APS ID	**1107235**
Facility Type	**SRSTP**	Authorization ID	**1472765**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**Barry A Smith**	Facility Name	**Barry Smith SRSTP**
Applicant Address	4932 S Mechanicsville Road	Facility Address	4932 S Mechanicsville Road
	Clarion, PA 16214-4734		Clarion, PA 16214
Applicant Contact	Barry Smith	Facility Contact	
Applicant Phone	(814) 221-3974	Facility Phone	
Applicant Email	barrsmith28@gmail.com		
Client ID	383758	Site ID	867730
SIC Code	8800	Municipality	Limestone Township
SIC Description	Private Households	County	Clarion
Date Application Received	January 16, 2024	WQM Required	Yes
Date Application Accepted	February 21, 2024	WQM App. No.	1624401

Project Description: Installation of a new Single Residence Sewage Treatment Plant

Summary of Review

This is a new discharge for an existing 4 bedrooms residential dwelling with proposed construction of a single residence sewage treatment plant to replace a malfunctioning on-lot sewage system. The average daily flow is projected to be 500 GPD.

Proposed treatment will consist of (WQM Permit No. 1624401): A Premier Tech EC7-500-P-P Pack coco filter unit with an integrated DiUV unit and pump preinstalled by the manufacturer. The treated effluent will discharge into a drainage channel which flows to Unnamed Tributary to Little Piney Creek.

Act 14 – Proof of Notification was submitted and received.

Act 537 Sewage Facilities Planning Module Component 3s was approved by the department on December 19, 2023.

SPECTIAL CONDITIONS: NONE.

The EPA waiver is in effect.

There are NO open violations in WMS for the subject Client ID (383758) as of February 21, 2024.

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		Aeshah Shameseldin Aeshah Shameseldin / Civil Engineer	February 21, 2024
		Vacant / Environmental Engineer Manager	Okay to draft JCD 2/29/2024

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.0005
Latitude	41º 9' 5.43"	Longitude	-79º 20' 22.48"
Quad Name	Strattanville	Quad Code	41079B3
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to Little Piney Creek (CWF)	Stream Code	49561
NHD Com ID	102671035	RMI	0.5700
Drainage Area		Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0	Q_{7-10} Basis	
Elevation (ft)	1368	Slope (ft/ft)	---
Watershed No.	17-B	Chapter 93 Class.	CWF
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)	7.0	Default
Temperature (°F)	68	Default
Hardness (mg/L)	100	Default
Other:		

Nearest Downstream Public Water Supply Intake		Parker Area Water Authority	
PWS Waters	Allegheny River	Flow at Intake (cfs)	951
PWS RMI	84.0	Distance from Outfall (mi)	---

Changes Since Last Permit Issuance: N/A -This is a proposed discharge (Planning was approved on December 19, 2023).

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 Premier Tech EC7-500-P-P Pack coco filter unit.

The Premier Tech EC7-500-P-P Pack coco filter unit is reportedly capable of meeting BOD5 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 an 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.

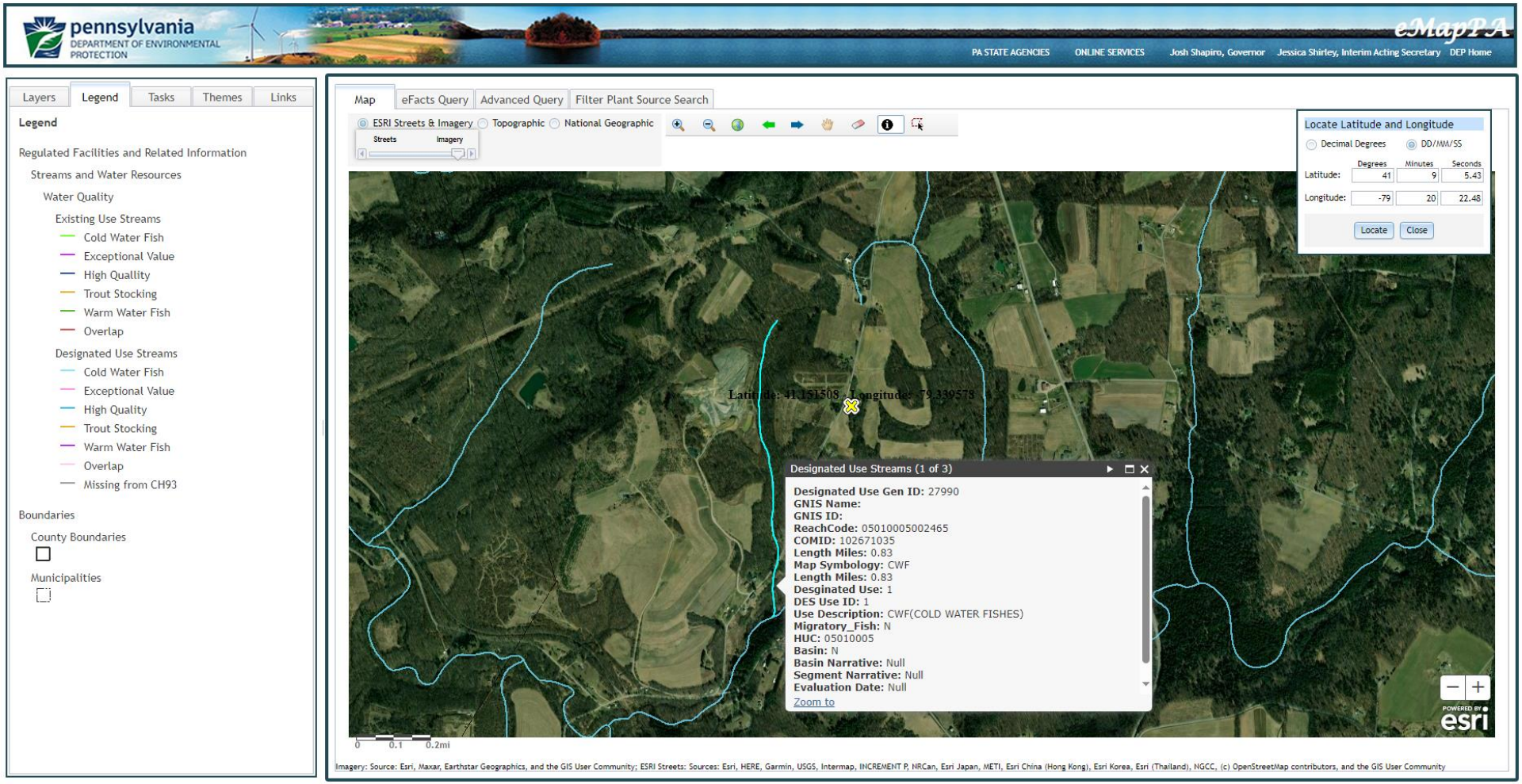
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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
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 UV disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, Total Suspended Solids are BPJ-based on the Department's "Small Flow Treatment Facilities Manual." Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

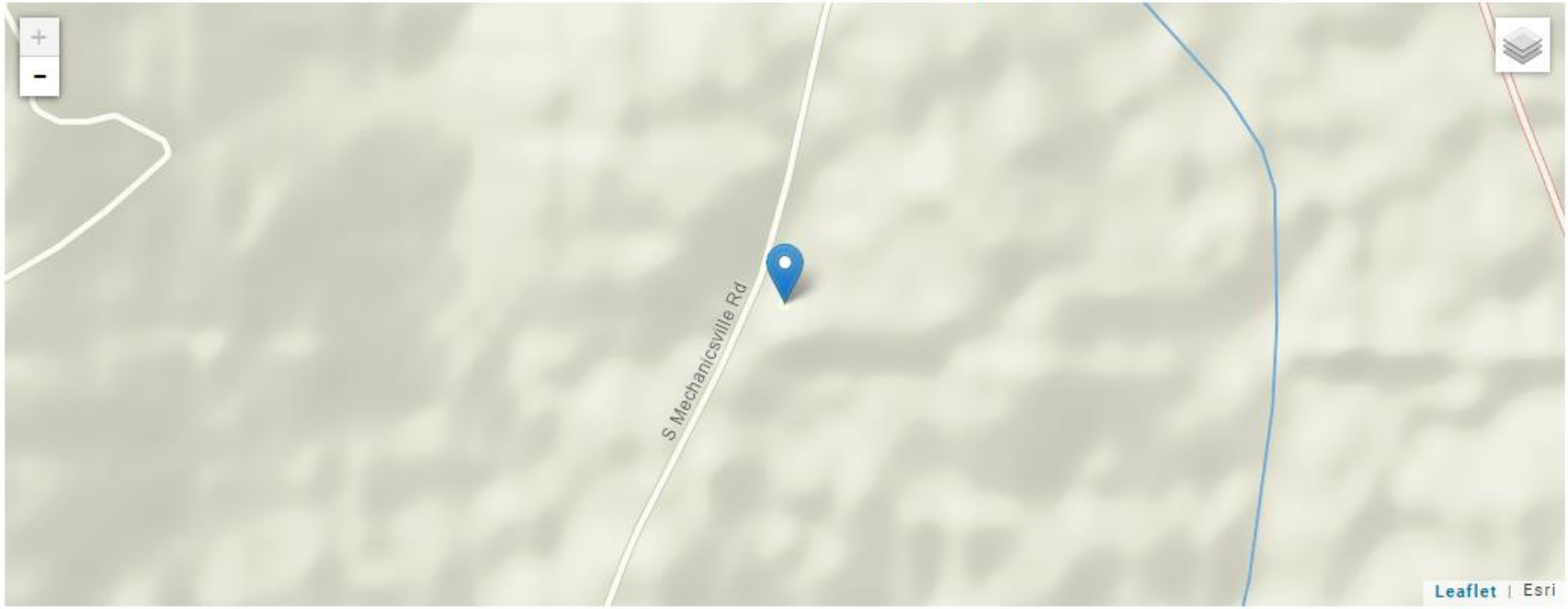
Outfall Location - eMap with Aerial Imagery



Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID:	PA
Workspace ID:	PA20240221182006785000
Clicked Point (Latitude, Longitude):	41.15150, -79.33960
Time:	2024-02-21 13:20:33 -0500



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0000386	square miles