

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0296015
APS ID 1119939
Authorization ID 1496049

Applicant, Facility and Project Information

Applicant Name <u>Traci Barnes</u>	Facility Name <u>Traci Barnes SRSTP</u>
Applicant Address <u>162 Jackson Road</u> <u>Saint Marys, PA 15857-3230</u>	Facility Address <u>162 Jackson Road</u> <u>St Marys, PA 15857</u>
Applicant Contact <u>Traci Barnes</u>	Facility Contact _____
Applicant Phone <u>(814) 512-2864</u>	Facility Phone _____
Applicant Email <u>bri.nussbaum2013@gmail.com</u>	_____
Client ID <u>387738</u>	Site ID <u>873543</u>
SIC Code <u>8800</u>	Municipality <u>Saint Marys City</u>
SIC Description <u>Private Households</u>	County <u>Elk</u>
Date Application Received <u>August 20, 2024</u>	WQM Required <u>Yes – Application Received</u>
Date Application Accepted <u>August 26, 2024</u>	WQM App. No. <u>2424402</u>
Project Description <u>Installation of a new Single Residence Sewage Treatment Plant</u>	

Summary of Review

This is a new discharge for an existing 3 bedrooms residential dwelling with proposed construction of a single residence sewage treatment plant. The average daily flow is projected to be 400 GPD.

Proposed treatment will consist of (WQM Permit No. 2424402): A new NSF approved Premier Tech ECP-450-P-P Pack coco filter unit with an integrated DiUV unit and pump preinstalled by the manufacturer. The point of discharge will be on the owner's property into a drainage channel to UNT to South Fork West Creek (HQ-CWF, MF).

Act 14 – Proof of Notification was submitted and received.

Act 537 Sewage Facilities Planning Module Component 3s was approved by the department on August 12, 2024.

SPECIAL CONDITIONS: NONE

The EPA waiver is in effect.

There are NO open violations in WMS for the subject Client ID (387738) as of August 26, 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	August 26, 2024
		Vacant / Environmental Engineer Manager	Okay to Draft JCD 9/5/2024

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° 27' 3.62"	Longitude	-78° 28' 58.23"
Quad Name	Rathbun	Quad Code	41078D4
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to South Fork West Creek (HQ-CWF, MF)	Stream Code	25307
NHD Com ID	61429536	RMI	0.6400
Drainage Area	0.1 sq. mi.	Yield (cfs/mi²)	0.1
Q ₇₋₁₀ Flow (cfs)	0.01	Q ₇₋₁₀ Basis	Default
Elevation (ft)	1758	Slope (ft/ft)	---
Watershed No.	8-A	Chapter 93 Class.	HQ-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)	7.0	Default	
Temperature (°F)	68	Default	
Hardness (mg/L)	100	Default	
Other:			
Nearest Downstream Public Water Supply Intake	Lycoming County Water and Sewer Authority		
PWS Waters	West Branch Susquehanna River	Flow at Intake (cfs)	---
PWS RMI	32.5	Distance from Outfall (mi)	---

Changes Since Last Permit Issuance: N/A -This is a proposed discharge (Planning was approved on August 12, 2024).

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.

The Premier Tech ECP-450-P-P Pack coco filter unit is reportedly capable of meeting CBOD₅ 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	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 UV disinfection.

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. The limits for pH are technology-based on Chapter 93.7 and the monitoring frequency has been established as “1/month” due to special protection watershed designation (High Quality – HQ).

Outfall Location - eMap with Aerial Imagery



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Layers **Legend** Tasks

Legend

Regulated Facilities and Related Information

Streams and Water Resources

Water Quality

Existing Use Streams

- Cold Water Fish
- Exceptional Value
- High Quality
- Trout Stocking
- Warm Water Fish
- Overlap

Designated Use Streams

- Cold Water Fish
- Exceptional Value
- High Quality
- Trout Stocking
- Warm Water Fish
- Overlap
- Missing from CH93

Boundaries

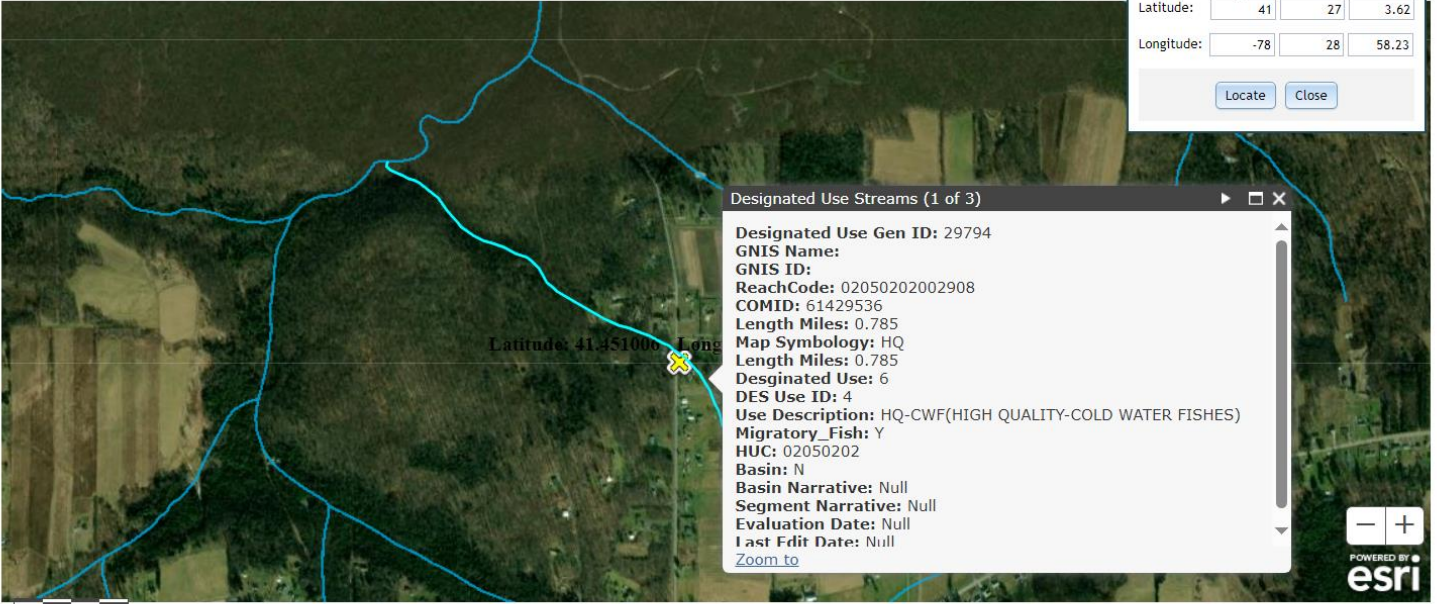
County Boundaries

Municipalities

Map eFacts Query Advanced Query Filter Plant Source Search

ESRI Streets & Imagery Topographic National Geographic


Streets Imagery



Latitude: 41.451000 Longitude: -78.285823

Designated Use Streams (1 of 3)

Designated Use Gen ID: 29794
GNIS Name:
GNIS ID:
ReachCode: 02050202002908
COMID: 61429536
Length Miles: 0.785
Map Symbology: HQ
Length Miles: 0.785
Designated Use: 6
DES Use ID: 4
Use Description: HQ-CWF(HIGH QUALITY-COLD WATER FISHES)
Migratory_Fish: Y
HUC: 02050202
Basin: N
Basin Narrative: Null
Segment Narrative: Null
Evaluation Date: Null
Last Edit Date: Null
[Zoom to](#)

POWERED BY 

Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID:

Workspace ID:

Clicked Point (Latitude, Longitude):

Time:

PA

PA20240826172906055000

41.45101, -78.48284

2024-08-26 13:29:32 -0400



+ Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.1	square miles