

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0295957
APS ID 1119049
Authorization ID 1494420

Applicant, Facility and Project Information

Applicant Name <u>Andrew L Buehler</u>	Facility Name <u>Andy Buehler SRSTP</u>
Applicant Address <u>PO Box 239</u>	Facility Address <u>124 Valley Road</u>
<u>Ridgeway, PA 15853</u>	<u>St. Mary's, PA 15857</u>
Applicant Contact <u>Andy Buehler</u>	Facility Contact <u>Andy Buehler</u>
Applicant Phone <u>(814) 594-6201</u>	Facility Phone <u>(814) 594-6201</u>
Client ID <u>255113</u>	Site ID <u>869137</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>July 16, 2024</u>	WQM Required <u>Yes</u>
Date Application Accepted _____	WQM App. No. <u>2424401</u>
Project Description <u>Single Residence Sewage Treatment Plant (SRSTP).</u>	

Summary of Review

This is a new discharge for an existing 3-bedroom home to a repair of an existing malfunctioning on-lot system.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of (WQM Permit No. 2424401): A new 1000-gallon dual chambered concrete septic tank with Zabel A300 effluent filter followed by a Premier Tech ECP-530-P-P Coco Filter unit then to a 1,000-gallon dual chambered concrete tank with a Norweco AT1500 UV unit, with a pump installed in the second compartment prior to discharge.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (255113) as of 9/30/2024.

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		Jordan A. Frey, E.I.T. Jordan A. Frey, E.I.T. / Project Manager	September 30, 2024
		Vacant / Environmental Engineer Manager	Okay to Draft JCD 10/7/2024

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° 26' 41.28"	Longitude	-78° 30' 23.27"
Quad Name	St. Marys	Quad Code	41078D5
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary of South Fork West Creek (HQ-CWF, MF)	Stream Code	25309
NHD Com ID	61429648	RMI	0.0100
Drainage Area	0.68	Yield (cfs/mi²)	0.1
Q ₇₋₁₀ Flow (cfs)	0.068	Q ₇₋₁₀ Basis	Default
Elevation (ft)	1667	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)	20	Default	
Hardness (mg/L)	100	Default	
Other:			
Nearest Downstream Public Water Supply Intake	PA American Water Company		
PWS Waters	West Branch – Susquehanna River	Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	>25

Changes Since Last Permit Issuance: N/A – This is a proposed discharge (Planning was approved on July 11, 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 HQ watershed. The proposed discharge is to resolve a repair of a malfunctioning on-lot system.

The 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 a 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.

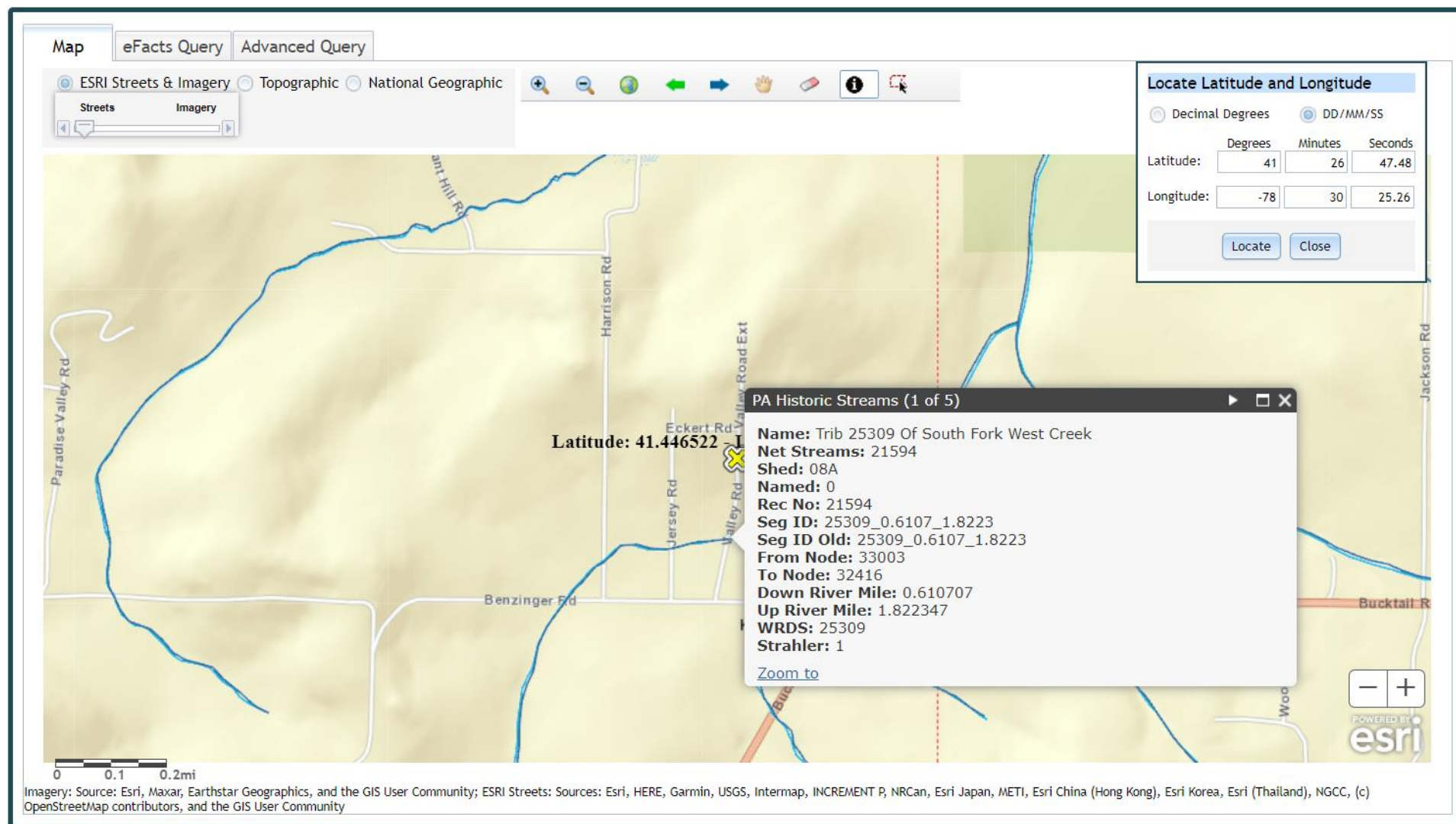
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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
BOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	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 and Total Suspended Solids are BPJ limits based on the Small Flow Treatment Facilities Manual. Fecal Coliform is technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

Attachment 1
eMap – Location Map



Attachment 2
Google Earth Imagery

