

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0295922
APS ID 1117773
Authorization ID 1492140

Applicant, Facility and Project Information

Applicant Name <u>Mary Beth VanFleet</u>	Facility Name <u>Mary Beth VanFleet SRSTP</u>
Applicant Address <u>1101 N Sheridan Avenue</u> <u>Pittsburgh, PA 15206-1755</u>	Facility Address <u>244 Christie Road</u> <u>West Sunbury, PA 16061-1414</u>
Applicant Contact <u>Mary Beth Vanfleet</u>	Facility Contact _____
Applicant Phone <u>(412) 841-5725</u>	Facility Phone _____
Client ID <u>387074</u>	Site ID <u>872580</u>
SIC Code <u>8800</u>	Municipality <u>Washington Township</u>
SIC Description <u>Private Households</u>	County <u>Butler</u>
Date Application Received <u>June 17, 2024</u>	WQM Required <u>Yes – Application Received</u>
Date Application Accepted _____	WQM App. No. <u>1024409</u>
Project Description <u>This is an application for a new Single Residence Sewage Treatment Plant (SRSTP) which will serve an existing 4-bedroom home.</u>	

Summary of Review

This is a new Single Residence Sewage Treatment Plant that will serve an existing 4-bedroom home and replace an existing malfunctioning on-lot disposal system.

Act 14 – Notifications were submitted and received.

Treatment at the proposed facility will consist of (WQM Permit No. 1024409): A Premier Tech EC7-750-P-P-PACK-DiUV Coco filter unit containing septic tank capacity, effluent filter, and a DiUV unit and pump.

There are no open violations in WMS for the subject Client ID (387074) as of 8/14/24.

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		Dustin Hargenrater Dustin Hargenrater / Civil Engineer (General)	August 14, 2024
		Vacant / Environmental Engineer Manager	Okay to Draft JCD 8/19/2024

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0005
Latitude	41° 2' 52.86"	Longitude	-79° 52' 32.23"
Quad Name	West Sunbury	Quad Code	41079A8
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to South Branch Slippery Rock Creek (CWF)	Stream Code	27966
NHD Com ID	126220154	RMI	0.0000
Drainage Area	1.02	Yield (cfs/mi ²)	0.00879
Q ₇₋₁₀ Flow (cfs)	0.00897	Q ₇₋₁₀ Basis	USGS - StreamStats
Elevation (ft)	1,207	Slope (ft/ft)	---
Watershed No.	20-C	Chapter 93 Class.	CWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Not Assessed		
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	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)	45.7

Changes Since Last Permit Issuance: None – This is a new discharge (Planning was approved on June 14, 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 use of the Ecoflo EC7 treatment system.

The Coco filter treatment system is reportedly capable of CBOD₅ average of 10 mg/l and TSS averages of 10 mg/l. This facility is not expected to impact the quality of the receiving stream.

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.

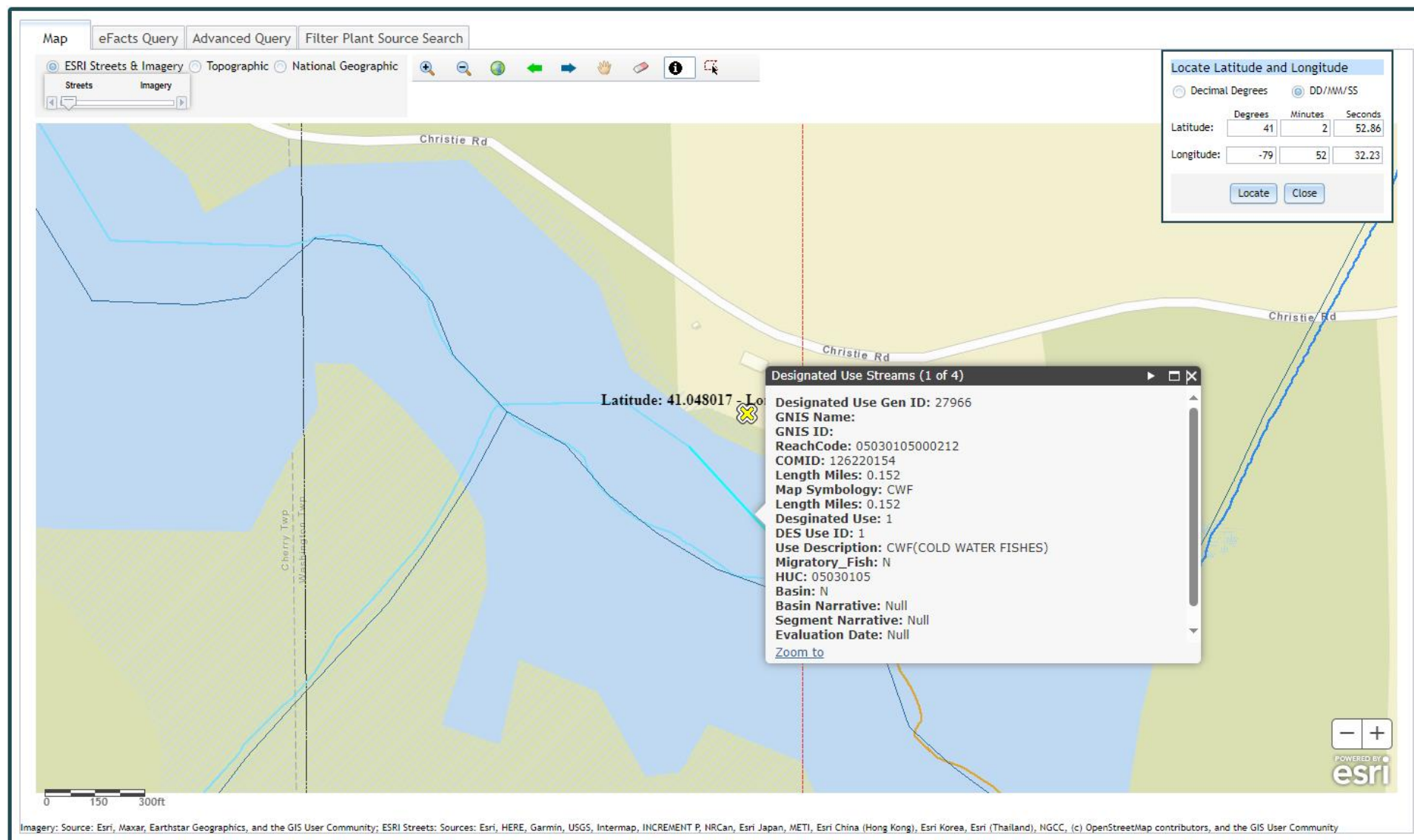
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	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, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

Attachment 1
eMap – Location and Receiving Stream Data



Attachment 2
Google Earth – Site Imagery

