

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0295892
APS ID 1116948
Authorization ID 1490703

Applicant, Facility and Project Information

Applicant Name <u>Vanessa Risjan</u>	Facility Name <u>Vanessa Risjan SRSTP</u>
Applicant Address <u>2660 Old Wattsburg Road</u> <u>Waterford, PA 16441-9637</u>	Facility Address <u>2660 Old Wattsburg Road</u> <u>Waterford, PA 16441-9637</u>
Applicant Contact <u>Vanessa Risjan</u>	Facility Contact _____
Applicant Phone <u>(814) 449-7775</u>	Facility Phone _____
Applicant Email <u>estesvj@upmc.edu</u>	_____
Client ID <u>386830</u>	Site ID <u>871452</u>
SIC Code <u>8800</u>	Municipality <u>Waterford Township</u>
SIC Description <u>Private Households</u>	County <u>Erie</u>
Date Application Received <u>June 5, 2024</u>	WQM Required <u>Yes – Application Received</u>
Date Application Accepted <u>July 26, 2024</u>	WQM App. No. <u>2524405</u>
Project Description <u>Installation of a new Single Residence Sewage Treatment Plant</u>	

Summary of Review

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

On July 22, 2024, a technical deficiency letter was emailed to the consultant to replace the proposed system – a Premier Tech EC7-500-P-P Pack coco filter unit – which requires upsized capacity to meet the effluent requirements for the corresponding flows.

On July 24, 2024, the design was revised. Proposed treatment will consist of (WQM Permit No. 2524405): A new NSF approved EC7-600-P-G/P PACK coco filter unit with an integrated 1,000-gallon septic tank, DiUV disinfection unit and pump preinstalled by the manufacturer. The point of discharge will be on the owner's property into Unnamed Tributary of French Creek (WWF).

Act 14 – Proof of Notification was submitted and received.

Act 537 Sewage Facilities Planning Module Component 3s was approved by the department on May 13, 2024.

SPECIAL CONDITIONS: NONE

The EPA waiver is in effect.

There are NO open violations in WMS for the subject Client ID (386830) as of July 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	July 26, 2024
		Vacant / Environmental Engineer Manager	Okay to Draft JCD 8/2/2024

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° 56' 45.2"	Longitude	-79° 54' 36.4"
Quad Name	Waterford	Quad Code	41079H8
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary of French Creek (WWF)	Stream Code	53801
NHD Com ID	127355206	RMI	0.1700
Drainage Area	0.22 sq. mi	Yield (cfs/mi²)	0.1
Q ₇₋₁₀ Flow (cfs)	0.022	Q ₇₋₁₀ Basis	Default
Elevation (ft)	1303	Slope (ft/ft)	---
Watershed No.	16-A	Chapter 93 Class.	WWF
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)	77	Default	
Hardness (mg/L)	100	Default	
Other:			
Nearest Downstream Public Water Supply Intake	Cambridge Springs Borough		
PWS Waters	French Creek	Flow at Intake (cfs)	51.45
PWS RMI	48.35	Distance from Outfall (mi)	---

Changes Since Last Permit Issuance: N/A -This is a proposed discharge (Planning was approved on May 13, 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 EC7-600-P-G/P PACK coco filter unit

The Premier Tech EC7-600-P-G/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	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 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.

Outfall Location - eMap with Aerial Imagery



PA STATE AGENCIES ONLINE SERVICES Josh Shapiro, Governor Jessica Shirley, Acting Secretary DEP Home

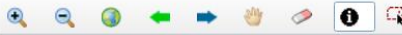
Layers Legend Tasks

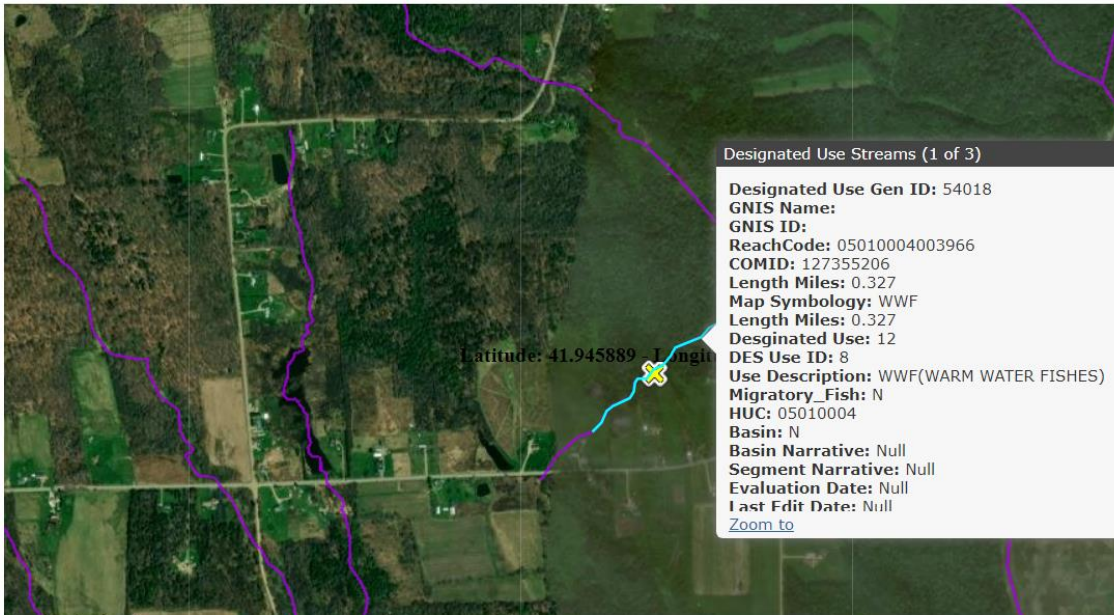
Legend
Regulated Facilities and Related Information
Streams and Water Resources
Water Quality
Existing Use Streams
Cold Water Fish
Exceptional Value
High Quality
Trout Stocking
Warm Water Fish
Overlap
Designated Use Streams
Cold Water Fish
Exceptional Value
High Quality
Trout Stocking
Warm Water Fish
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: 41.945889 Longitude: -79.54364

Locate Latitude and Longitude

☐ Decimal Degrees ☒ DD/MM/SS

Latitude:

Longitude:


Locate Close

Designated Use Streams (1 of 3)

Designated Use Gen ID: 54018
GNIS Name:
GNIS ID:
ReachCode: 05010004003966
COMID: 127355206
Length Miles: 0.327
Map Symbology: WWF
Length Miles: 0.327
Designated Use: 12
DES Use ID: 8
Use Description: WWF(WARM WATER FISHES)
Migratory_Fish: N
HUC: 05010004
Basin: N
Basin Narrative: Null
Segment Narrative: Null
Evaluation Date: Null
Last Edit Date: Null
[Zoom to](#)

0 0.1 0.2mi

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

POWERED BY 

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID:

Workspace ID:

Clicked Point (Latitude, Longitude):

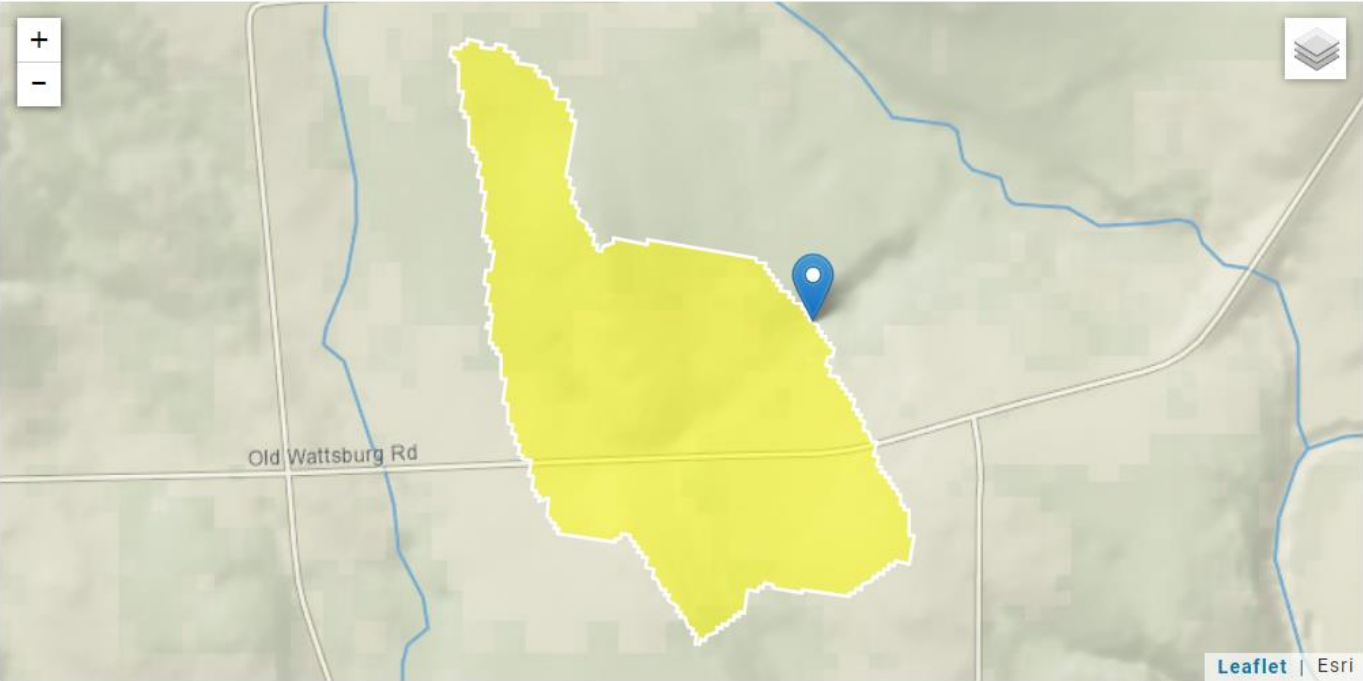
Time:

PA

PA20240726193356239000

41.94605, -79.91007

2024-07-26 15:34:20 -0400



+ Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.22	square miles