

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

**NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP**

Application No. PA0264938
APS ID 1056180
Authorization ID 1384134

Applicant, Facility and Project Information

Applicant Name	<u>James S. Stevens</u>	Facility Name	<u>James Stevens SRSTP</u>
Applicant Address	<u>455 Settlers Village Circle</u> <u>Cranberry Twp, PA 16066</u>	Facility Address	<u>11592 Route 62</u> <u>Tidioute, PA 16351</u>
Applicant Contact	<u>James Stevens</u>	Facility Contact	<u></u>
Applicant Phone	<u>(412) 979-2411</u>	Facility Phone	<u></u>
Client ID	<u>333182</u>	Site ID	<u>819920</u>
SIC Code	<u>8800</u>	Municipality	<u>Limestone Township</u>
SIC Description	<u>Private Households</u>	County	<u>Warren</u>
Date Application Received	<u>January 27, 2022</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>December 27, 2022</u>	WQM App. No.	<u>6217402</u>
Project Description	<u>Renewal NPDES Permit for a Single Residence Sewage Treatment Plant</u>		

Summary of Review

Renewal Permit for a SRSTP consists of: 1,500-gallon dual compartment septic tank, Ecoflo ECC 500 coco filter and UV disinfection. (500 GPD design)

Act 14 – Proof of Notification was submitted and received.

SPECIAL CONDITIONS: None.

There are NO open violations in WMS for the subject Client ID (333182) as of December 27, 2022.

The EPA Waiver is in effect

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 Trainee	December 27, 2022
X		Adam J. Pesek (Lead Reviewer) for Vacant / Environmental Engineer Manager	January 9, 2023

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0005</u>
Latitude	<u>41° 42' 14.96"</u>	Longitude	<u>-79° 21' 3.02"</u>
Quad Name	<u>Cobham</u>	Quad Code	<u>02061</u>
Wastewater Description: <u>Sewage Effluent</u>			

Receiving Waters	<u>Unnamed tributary to Allegheny River (WWF)</u>	Stream Code	<u>---</u>
NHD Com ID	<u>100469757</u>	RMI	<u>---</u>
Drainage Area	<u>0.000116</u>	Yield (cfs/mi ²)	<u>0</u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>Dry Stream</u>
Elevation (ft)	<u>1128</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>16-F</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u>---</u>	Existing Use Qualifier	<u>---</u>
Exceptions to Use	<u>No</u>	Exceptions to Criteria	<u>No</u>

Assessment Status	<u>Impaired</u>
Cause(s) of Impairment	<u>MERCURY</u>
Source(s) of Impairment	<u>SOURCE UNKNOWN</u>
TMDL Status	<u>Name</u>

Background/Ambient Data		Data Source	
pH (SU)	<u>7</u>	Default	
Temperature (°F)	<u>25</u>	Default value for a WWF stream	
Hardness (mg/L)	<u>100</u>	Default	
Other:	<u></u>		

Nearest Downstream Public Water Supply Intake	<u>Aqua Pennsylvania, Inc. - Emelton</u>
PWS Waters	<u>Allegheny River</u>
PWS RMI	<u>90</u>
	Flow at Intake (cfs) <u>1376</u>
	Distance from Outfall (mi) <u>81.6</u>

Changes Since Last Permit Issuance: None.

Other Comments: None.

Compliance History

Effluent Testing Information as of January 20, 2022

Parameter	Effluent Testing Information				
	Maximum Daily Value		Average Monthly Value		
	Value	Units	Value	Units	No. Samples
Flow		GPD		GPD	
pH (Minimum)		S.U.		S.U.	
pH (Maximum)		S.U.		S.U.	
TRC		mg/L		mg/L	
BOD5	17	mg/L		mg/L	
TSS	19	mg/L		mg/L	
Fecal Coliform	>2420	No./100 mL		No./100 mL	

Other Comments:

- Septic Tank was pumped on March 19, 2021

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	Average Monthly	Maximum	Instant. Maximum		
Flow (GPD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	Upon Request	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 Geo Mean	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, and Fecal Coliform are BPJ/technology-based on the Department's "Small Flow Treatment Facilities Manual." The limits for pH are technology-based on Chapter 93.7.

Outfall Location - eMap with Aerial Imagery

The screenshot displays the Pennsylvania eMapPA web application interface. At the top, the Pennsylvania Department of Environmental Protection logo is on the left, and navigation links for 'PA STATE AGENCIES', 'ONLINE SERVICES', 'Tom Wolf, Governor', 'Ramez Ziadeh, Acting Secretary', and 'DEP Home' are on the right. The main map area shows aerial imagery of a stream with a blue line representing a 'Designated Use Stream'. A popup window titled 'Designated Use Streams (1 of 4)' is open over the stream, displaying the following details:

- Designated Use Gen ID:** 100582
- GNIS Name:** Allegheny River
- GNIS ID:** 01209386
- ReachCode:** 05010003000076
- COMID:** 100469757
- Length Miles:** 0.575
- Map Symbology:** WWF
- Length Miles:** 0.575
- Designated Use:** 12
- DES Use ID:** 8
- Use Description:** WWF(WARM WATER FISHES)
- Migratory_Fish:** N
- HUC:** 05010003
- Basin:** Y
- Basin Narrative:** This is a MAINSTEM delineation. Only the segment described below is included. The tributaries to the segment are not included.
- Segment Narrative:** Mainstem. Clarion River to Kiskiminetas River

A 'Locate Latitude and Longitude' dialog box is also visible on the right side of the map, showing the following coordinates:

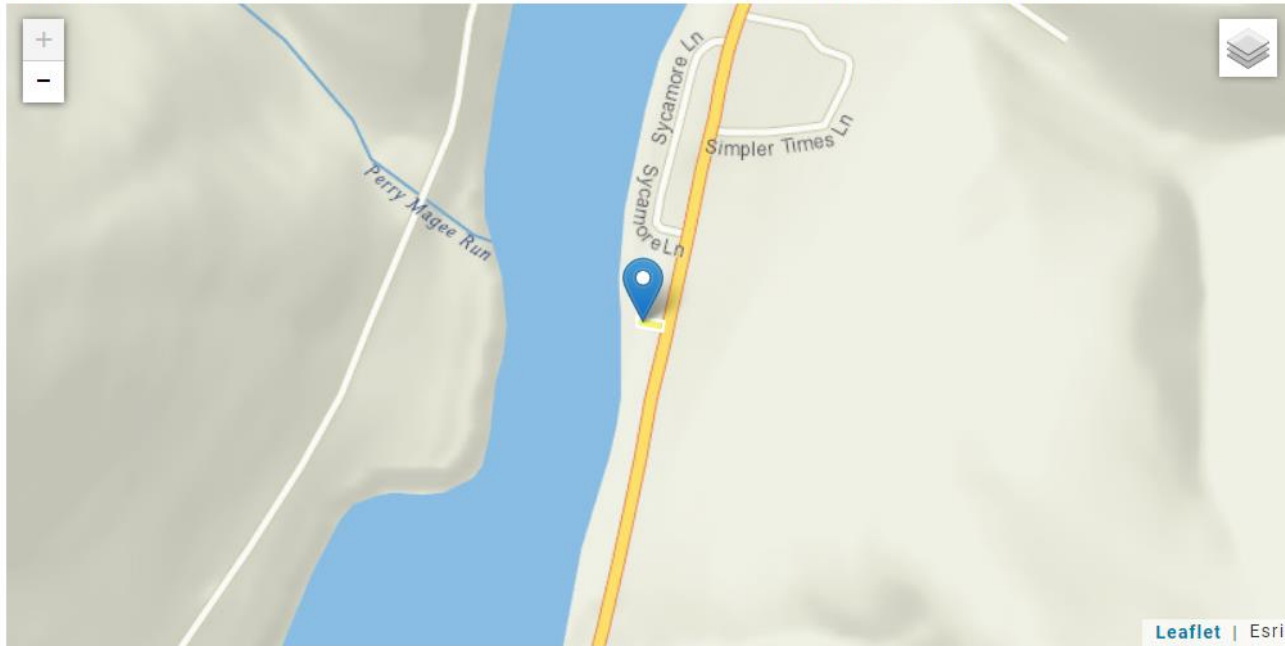
- Latitude:** 41 Degrees, 42 Minutes, 14.96 Seconds
- Longitude:** -79 Degrees, 21 Minutes, 3.02 Seconds

The map interface includes a legend on the left with categories for 'Regulated Facilities and Related Information', 'Streams and Water Resources', and 'Water Quality'. The 'Designated Use Streams' legend shows various stream types: Cold Water Fish (light blue), Exceptional Value (purple), High Quality (dark blue), Trout Stocking (yellow), Warm Water Fish (green), and Overlap (red). The map also features a scale bar (0 to 300ft) and an 'esri' logo in the bottom right corner.

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID: PA
Workspace ID: PA20221227205635220000
Clicked Point (Latitude, Longitude): 41.70415, -79.35085
Time: 2022-12-27 15:56:58 -0500



[+ Collapse All](#)

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.000116	square miles