

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0271594
APS ID 1112733
Authorization ID 1483311

Applicant, Facility and Project Information

Applicant Name	<u>Gail Kline</u>	Facility Name	<u>Gail Kline SRSTP</u>
Applicant Address	<u>859 Lake Lucy Road</u> <u>Tionesta, PA 16353-2123</u>	Facility Address	<u>859 Lake Lucy Road</u> <u>Tionesta, PA 16353</u>
Applicant Contact	<u>Gail Kline</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 229-0329</u>	Facility Phone	<u></u>
Applicant Email	<u>gkline@zoominternet.net</u>		<u></u>
Client ID	<u>354311</u>	Site ID	<u>825883</u>
SIC Code	<u>8800</u>	Municipality	<u>Washington Township</u>
SIC Description	<u>Private Households</u>	County	<u>Clarion</u>
Date Application Received	<u>April 9, 2024</u>	WQM Required	<u>No – Issued Previously</u>
Date Application Accepted	<u>May 13, 2024</u>	WQM App. No.	<u>---</u>
Project Description	<u>Renewal NPDES Permit for a Single Residence Sewage Treatment Plant</u>		

Summary of Review

This is a renewal application for a NPDES Permit for an SRSTP consists of (WQM Permit No. 1618408 T-1): A 1,000-gallon dual compartment septic tank with effluent filter, 500-gallon dosing tank with submersible pump, 240 sq. foot recirculating subsurface sand filter and UV disinfection unit.

Act 14 – Proof of Notification was submitted and received.

SPECIAL CONDITIONS: NONE

The EPA waiver is in effect.

There are NO open violations in WMS for the subject Client ID (354311) as of May 14, 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	May 14, 2024
X		Jason Roessing, P.E. Jason Roessing, P.E. / Environmental Engineer Manager	May 28, 2024

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0004</u>
Latitude	<u>41° 23' 18"</u>	Longitude	<u>-79° 23' 19.6"</u>
Quad Name	<u>Tionesta</u>	Quad Code	<u>41079D4</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to East Branch Hemlock Creek (EV)</u>	Stream Code	<u>54873</u>
NHD Com ID	<u>100476215</u>	RMI	<u>0.0500</u>
Drainage Area	<u>0.37</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.037</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1575</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>16-E</u>	Chapter 93 Class.	<u>EV</u>
Existing Use	<u>---</u>	Existing Use Qualifier	<u>---</u>
Exceptions to Use	<u>---</u>	Exceptions to Criteria	<u>---</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>---</u>		
Source(s) of Impairment	<u>---</u>		
TMDL Status	<u>---</u>	Name	<u>---</u>
Background/Ambient Data	Data Source		
pH (SU)	<u>7.0</u>	Default	
Temperature (°F)	<u>68</u>	Default	
Hardness (mg/L)	<u>100</u>	Default	
Other:	<u>_____</u>		
Nearest Downstream Public Water Supply Intake	<u>Aqua Pennsylvania, Inc. - Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>---</u>
PWS RMI	<u>90.0</u>	Distance from Outfall (mi)	<u>---</u>

Changes Since Last Permit Issuance: None.

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 an Exceptional Value Watershed.

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 disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, 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 (Exceptional Value – EV).

Outfall Location - eMap with Aerial Imagery

The screenshot displays the Pennsylvania eMapPA interface. At the top, the Pennsylvania Department of Environmental Protection logo is on the left, and navigation links for PA State Agencies, Online Services, and state officials are on the right. The main map area shows aerial imagery with a pink line representing a stream. A yellow 'X' marks a specific location on the stream with the coordinates Latitude: 41.388333 and Longitude: -79.388778. A pop-up window titled 'Designated Use Streams (1 of 3)' provides the following metadata:

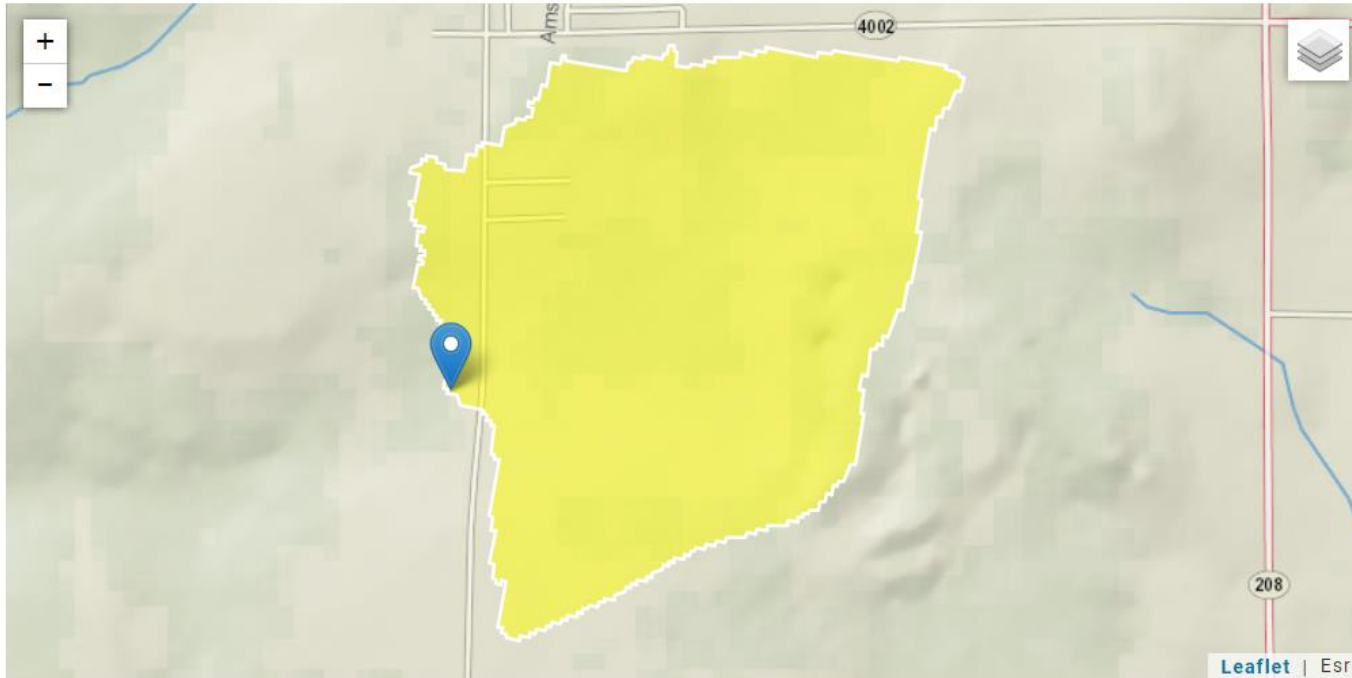
- Designated Use Gen ID: 38529
- GNIS Name:
- GNIS ID:
- ReachCode: 05010003003112
- COMID: 100476241
- Length Miles: 0.314
- Map Symbology: EV
- Length Miles: 0.314
- Designated Use: 3
- DES Use ID: 2
- Use Description: EV(EXCEPTIONAL VALUE)
- Migratory_Fish: N
- HUC: 05010003
- Basin: N
- Basin Narrative: Null
- Segment Narrative: Null
- Evaluation Date: Null
- Last Edit Date: Null
- Zoom to

On the right side of the map, a 'Locate Latitude and Longitude' dialog box is open, showing the coordinates 41 23 18 for Latitude and -79 23 19.6 for Longitude. The left sidebar contains a legend with categories for Regulated Facilities, Streams and Water Resources (Water Quality and Designated Use Streams), and Boundaries (County and Municipalities).

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID: PA
Workspace ID: PA20240513193227752000
Clicked Point (Latitude, Longitude): 41.38831, -79.38878
Time: 2024-05-13 15:32:54 -0400



+ Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.37	square miles