

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0288659
APS ID 1151581
Authorization ID 1551070

Applicant, Facility and Project Information

Applicant Name	<u>Frederick F Solman</u>	Facility Name	<u>Frederick F Solman SRSTP</u>
Applicant Address	<u>110 Glenwood Avenue</u> <u>Evans City, PA 16033-9308</u>	Facility Address	<u>110 Glenwood Avenue</u> <u>Evans City, PA 16033-9308</u>
Applicant Contact	<u>Fred Soloman</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 333-2429</u>	Facility Phone	<u></u>
Applicant Email	<u>fredsolman@gmail.com</u>		
Client ID	<u>376713</u>	Site ID	<u>843248</u>
SIC Code	<u>8800</u>	Municipality	<u>Forward Township</u>
SIC Description	<u>Private Households</u>	County	<u>Butler</u>
Date Application Received	<u>December 4, 2025</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>December 24, 2025</u>	WQM App. No.	<u>N/A</u>
Project Description	<u>NPDES Permit Renewal Application for a Single Residence Sewage Treatment Plant</u>		

Summary of Review

This is a NPDES Permit renewal application for an SRSTP consists of (WQM Permit No. 1020414 T-1): A 1,500-gallon dual compartment concrete septic tank with effluent filter, a Premier Tech EC7-500-C-P Coco Filter with an integrated pump and DiUV disinfection unit.

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 Premier Tech EC7 Coco filter unit.

AMRs available on file but did not request or review.

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 (376713) as of December 26, 2025.

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 / Project Manager	December 26, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	January 16, 2026

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0005</u>
Latitude	<u>40° 45' 30.85"</u>	Longitude	<u>-80° 2' 49.53"</u>
Quad Name	<u>Evans City</u>	Quad Code	<u>40080G1</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Breakneck Creek (WWF)</u>	Stream Code	<u>35016</u>
NHD Com ID	<u>126218626</u>	RMI	<u>0.2</u>
Drainage Area	<u>0.07 square miles</u>	Yield (cfs/mi ²)	<u>0.0179</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.0012</u>	Q ₇₋₁₀ Basis	<u>Dry Stream</u>
Elevation (ft)	<u>972</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u>---</u>	Existing Use Qualifier	<u>---</u>
Exceptions to Use	<u>---</u>	Exceptions to Criteria	<u>---</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>Cause Unknown, Siltation</u>		
Source(s) of Impairment	<u>Source Unknown, Urban Runoff/Storm Sewers</u>		
TMDL Status	<u>---</u>	Name	<u>---</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u>---</u>
Temperature (°F)	<u>77</u>	Default	<u>---</u>
Hardness (mg/L)	<u>100</u>	Default	<u>---</u>
Other:	<u>---</u>		<u>---</u>
Nearest Downstream Public Water Supply Intake	<u>Pennsylvania American Water Company - Ellwood City</u>		
PWS Waters	<u>Connoquenessing Creek</u>	Flow at Intake (cfs)	<u>---</u>
PWS RMI	<u>0.2</u>	Distance from Outfall (mi)	<u>---</u>

Changes Since Last Permit Issuance: Previous permit stated that the receiving stream is the Breakneck Creek. However, further review indicated that the receiving stream is Unnamed Tributary to the Breakneck Creek (dry stream).

Other Comments: The Breakneck Creek is impaired by siltation, but the subject facility is not expected to be a cause or source of the impairment.

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
BOD5	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.

Outfall Location – Google Earth with Aerial Imagery



Outfall Location & Receiving Stream – eMap with Aerial Imagery

The screenshot displays the Pennsylvania eMapPA web application interface. The header includes the Pennsylvania Department of Environmental Protection logo and navigation links for PA State Agencies, Online Services, and state officials. The main map area shows aerial imagery with stream data overlays. A legend on the left categorizes streams by quality and use. A popup window provides detailed information for a selected stream.

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

Designated Use Streams (1 of 3)

- Designated Use Gen ID: 28168
- GNIS Name: Breakneck Creek
- GNIS ID: 01170184
- ReachCode: 05030105000585
- COMID: 126218624
- Length Miles: 0.333
- Map Symbology: WWF
- Length Miles: 0.333
- Designated Use: 12
- DES Use ID: 8
- Use Description: WWF(WARM WATER FISHES)
- Migratory_Fish: N
- HUC: 05030105
- Basin: N
- Basin Narrative: Null
- Segment Narrative: Null
- Evaluation Date: Null
- Last Fdit Date: 5/29/2007 11:41:39 AM
- [Zoom to](#)

Imagery: Source: Esri, Vantor, 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

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID:

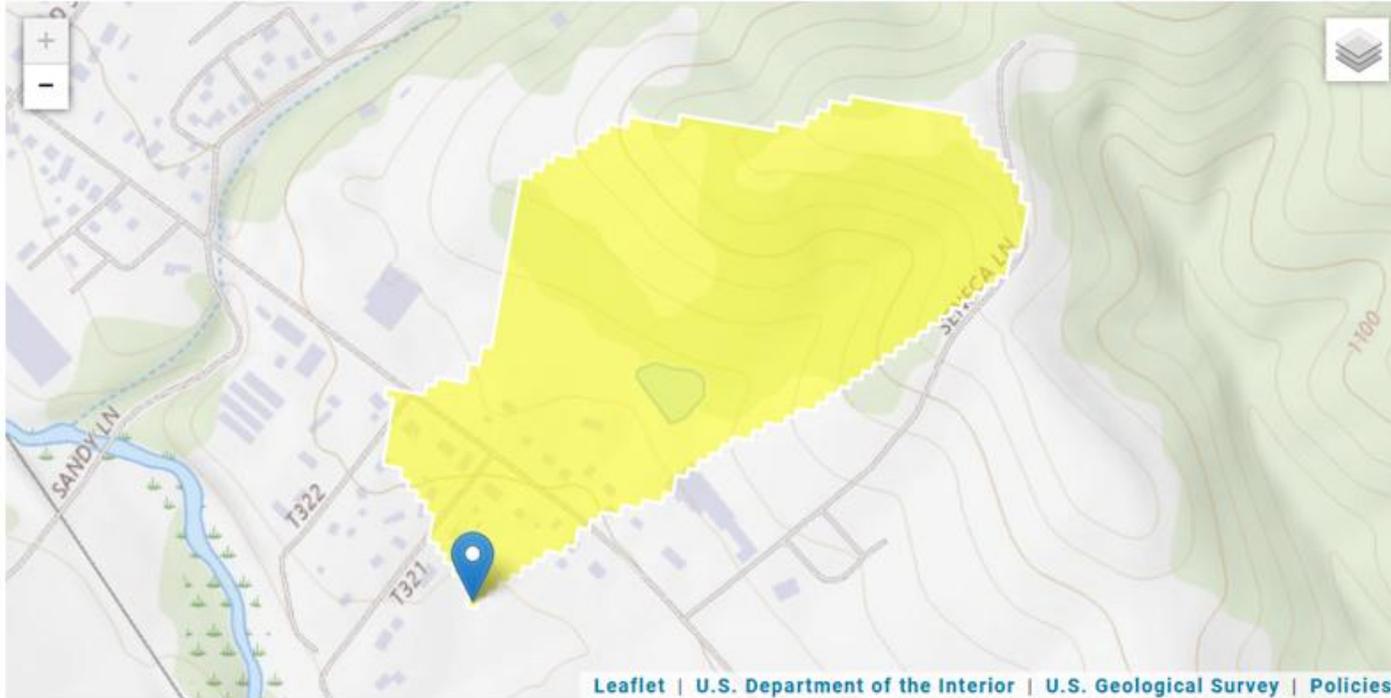
PA

Clicked Point (Latitude, Longitude):

40.75849, -80.04703

Time:

2025-12-26 15:30:28 -0500



+ Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.07	square miles

Frederick F Solman SRSTP - Topo Map

