

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0272051
APS ID 1099859
Authorization ID 1459916

Applicant, Facility and Project Information

Applicant Name	<u>Bruce Sunday</u>	Facility Name	<u>Bruce Sunday SRSTP</u>
Applicant Address	<u>123 Old Route 68</u> <u>Evans City, PA 16033-7613</u>	Facility Address	<u>123 Old Route 68</u> <u>Evans City, PA 16033-7613</u>
Applicant Contact	<u>Bruce Sunday</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 538-8243</u>	Facility Phone	<u></u>
Client ID	<u>347892</u>	Site ID	<u>832448</u>
SIC Code	<u>4952,8800</u>	Municipality	<u>Forward Township</u>
SIC Description	<u>Private Households, Trans. & Utilities - Sewerage Systems</u>	County	<u>Butler</u>
Date Application Received	<u>October 11, 2023</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>January 22, 2024</u>	WQM App. No.	<u>1019402</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: A Jet J-500 aerobic unit which is a 1225-gallon three chamber unit with a 500-gallon primary settling chamber, 600-gallon middle aeration chamber, and 125-gallon, 6.2-square foot surface area final settling chamber with an 80.6-gpd/square-foot surface settling rate. Final settler sludge is gravity returned to aeration. Sludge removal is only from the primary settling and aeration chambers. The middle chamber uses a combination of suspended and attached activated sludge operation. The attached growth media is a rectangular mid-level ring around a 20.25-inch square aerator draft tube. A 1/3-hp blower is specified rated at 1.8 to 2.5-cubic feet per minute. The discharge is to intermittent tributary 35095 via a road ditch and dry swale.

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 (347892) as of January 22, 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	January 22, 2024
		Vacant / Environmental Engineer Manager	Okay to Draft JCD 1/30/2024

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>40° 47' 8.01"</u>	Longitude	<u>-80° 2' 27.84"</u>
Quad Name	<u>Evans City</u>	Quad Code	<u>40080G1</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Connoquenessing Creek (WWF)</u>	Stream Code	<u>35095</u>
NHD Com ID	<u>126218487</u>	RMI	<u>0.5600</u>
Drainage Area	<u></u>	Yield (cfs/mi ²)	<u></u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>Dry Ditch</u>
Elevation (ft)	<u>1048</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>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	<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>Beaver Falls Municipal Authority - Eastvale</u>		
PWS Waters	<u>Beaver River</u>	Flow at Intake (cfs)	<u>561</u>
PWS RMI	<u>5</u>	Distance from Outfall (mi)	<u>---</u>

Changes Since Last Permit Issuance: None.

Other Comments: None.

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 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 - 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 several streams highlighted in purple and cyan. A legend on the left side categorizes these streams under 'Regulated Facilities and Related Information', 'Streams and Water Resources', and 'Boundaries'. A pop-up window titled 'Designated Use Streams (1 of 3)' is open over a cyan stream segment, providing the following details:

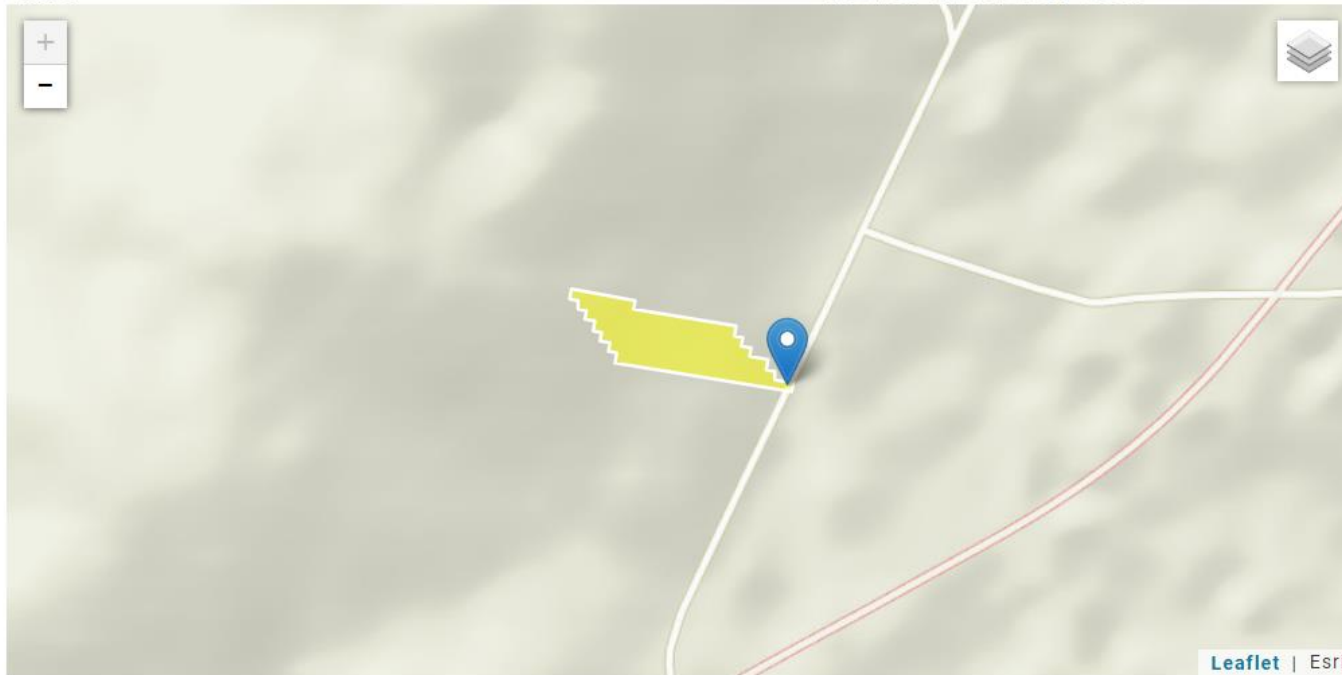
- Designated Use Gen ID: 93554
- GNIS Name:
- GNIS ID:
- ReachCode: 05030105005638
- COMID: 126218487
- Length Miles: 0.764
- Map Symbology: WWF
- Length Miles: 0.764
- Designated Use: 12
- DES Use ID: 8
- Use Description: WWF(WARM WATER FISHES)
- Migratory_Fish: N
- HUC: 05030105
- Basin: N
- Basin Narrative: Null
- Segment Narrative: Null
- Evaluation Date: Null
- Last Edit Date: Null
- Zoom to

At the bottom of the map, a scale bar indicates 0, 0.2, and 0.4 miles. Source information for the imagery and streets data is provided at the very bottom of the interface.

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID: PA
Workspace ID: PA20240122202625822000
Clicked Point (Latitude, Longitude): 40.78557, -80.04106
Time: 2024-01-22 15:26:52 -0500



Collapse All

➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.00436	square miles