

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0272493  
APS ID 1106550  
Authorization ID 1471429

**Applicant, Facility and Project Information**

Applicant Name	<u>Randy Corosu</u>	Facility Name	<u>Randy Corosu SRSTP</u>
Applicant Address	<u>11516 Five Points Road</u> <u>Home, PA 15747</u>	Facility Address	<u>11516 Five Points Road</u> <u>Home, PA 15747</u>
Applicant Contact	<u>Randy Corosu</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 549-7673</u>	Facility Phone	<u></u>
Client ID	<u>351980</u>	Site ID	<u>837304</u>
SIC Code	<u>8800</u>	Municipality	<u>Washington Township</u>
SIC Description	<u>Private Households</u>	County	<u>Indiana</u>
Date Application Received	<u>January 8, 2024</u>	WQM Required	<u>Issued - 3219402</u>
Date Application Accepted	<u>February 7, 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: A Norweco Singulair Model 960 aerobic unit consisting of a pretreatment chamber, an aeration chamber, and a final clarification chamber, a Norweco Biofilm Reactor, and a Salcor 3G UV disinfection unit with effluent pumping.

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 (351980) as of February 7, 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	February 7, 2024
		Vacant / Environmental Engineer Manager	Okay to Draft JCD 3/11/2024

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° 45' 33.56"</u>	Longitude	<u>-79° 8' 44.85"</u>
Quad Name	<u>Plumville</u>	Quad Code	<u>40079G2</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to South Branch Plum Creek (HQ-CWF)</u>	Stream Code	<u>46636</u>
NHD Com ID	<u>123851608</u>	RMI	<u>0.1700</u>
Drainage Area	<u>2.35 square miles</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.1</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.235</u>	Q <sub>7-10</sub> Basis	<u>Default</u>
Elevation (ft)	<u>1106</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>17-E</u>	Chapter 93 Class.	<u>HQ-CWF</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>Habitat Alterations, Organic Enrichment, Siltation</u>		
Source(s) of Impairment	<u>On-Site Treatment Systems (Septic Systems and Similar Decentralized Systems), Removal of Riparian Vegetation, Streambank Modifications/Destabilization</u>		
TMDL Status	<u>Final, Final</u>	Name	<u>Crooked Creek Watershed ,South Branch Plum Creek TMDL</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>Buffalo Township Municipal Water Authority - Freeport</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>---</u>
PWS RMI	<u>30</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 a High-Quality Watershed.

The Unnamed Tributary to South Branch Plum Creek —the receiving water for discharges from Outfall 001—is impaired by Habitat Alterations, Organic Enrichment and Siltation but the subject facility is not expected to be the cause or the source of the impairment.

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> 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 (High Quality – HQ).

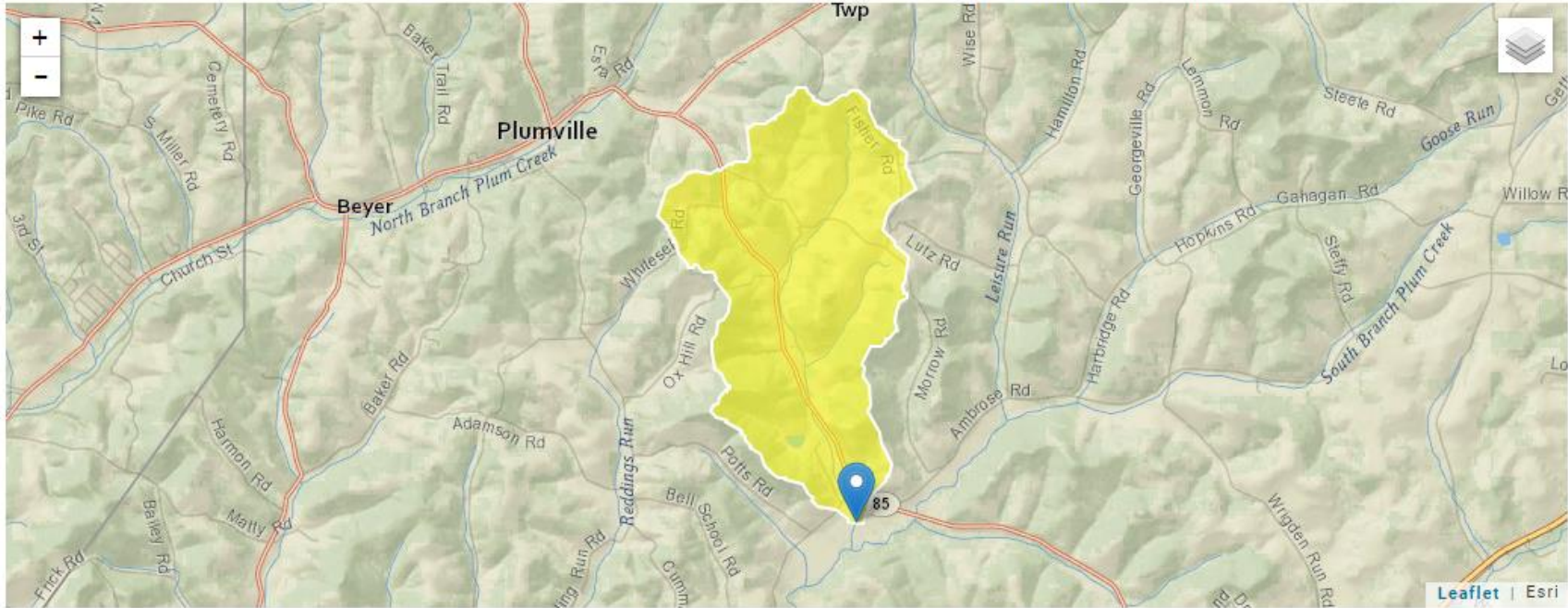
**Outfall Location - eMap with Aerial Imagery**

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, and Governor/Secretary information are on the right. The main map area shows aerial imagery with blue lines representing designated use streams. A legend on the left side categorizes streams into Existing Use and Designated Use, with sub-categories like Cold Water Fish, Exceptional Value, High Quality, Trout Stocking, and Warm Water Fish. A pop-up window titled 'Designated Use Streams (1 of 3)' provides detailed metadata for a selected stream, including its Gen ID (20928), Reach Code (05010006001652), Length (0.713 miles), and Use Description (HQ-CWF(HIGH QUALITY-COLD WATER FISHES)). A 'Locate Latitude and Longitude' dialog box is open on the right, showing coordinates in Decimal Degrees (Latitude: 40.759322, Longitude: -79.184485).

**Drainage Area Location – StreamStats with Aerial Imagery**

StreamStats Report

Region ID: PA  
Workspace ID: PA20240207175511952000  
Clicked Point (Latitude, Longitude): 40.75924, -79.14578  
Time: 2024-02-07 12:55:33 -0500



**+** Collapse All

**>** Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	2.35	square miles