

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0272604
APS ID 1094615
Authorization ID 1450483

Applicant, Facility and Project Information

Applicant Name	<u>Paul Zentz</u>	Facility Name	<u>Paul Zentz SRSTP</u>
Applicant Address	<u>11558 Route 62</u> <u>Tidioute, PA 16351-5505</u>	Facility Address	<u>11558 Route 62</u> <u>Tidioute, PA 16351-5505</u>
Applicant Contact	<u>Paul Zentz</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 856-1425</u>	Facility Phone	<u></u>
Client ID	<u>300711</u>	Site ID	<u>767532</u>
SIC Code	<u>4952,8811</u>	Municipality	<u>Limestone Township</u>
SIC Description	<u>Services - Private Households, Trans. & Utilities - Sewerage Systems</u>	County	<u>Warren</u>
Date Application Received	<u>July 17, 2023</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>August 15, 2023</u>	WQM App. No.	<u>6212405</u>
Project Description	<u>Renewal NPDES Permit for a Single Residence Sewage Treatment Plant</u>		

Summary of Review

Renewal NPDES Permit for an SRSTP consists of: 2000-gallon septic tank with effluent filter, gravity dosed peat filter, and ultraviolet light disinfection.

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 (300711) as of August 17, 2023 [9/25/2023 CWY](#)

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	August 17, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	9/25/2023

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° 42' 16.05"</u>	Longitude	<u>-79° 21' 3.08"</u>
Quad Name	<u>Cobham</u>	Quad Code	<u>41079F3</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Allegheny River (WWF)</u>	Stream Code	<u>42122</u>
NHD Com ID	<u>100469757</u>	RMI	<u>171.52</u>
Drainage Area		Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	
Elevation (ft)	<u>1118 (Approximately)</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>---</u>	Exceptions to Criteria	<u>---</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>MERCURY</u>		
Source(s) of Impairment	<u>SOURCE UNKNOWN</u>		
TMDL Status		Name	
Background/Ambient Data		Data Source	
pH (SU)	<u>7</u>	Default	
Temperature (°F)	<u>25</u>	Default	
Hardness (mg/L)	<u>100</u>	Default	
Other:			
Nearest Downstream Public Water Supply Intake	<u>Aqua Pennsylvania, Inc. - Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1376</u>
PWS RMI	<u>90</u>	Distance from Outfall (mi)	<u>---</u>

Changes Since Last Permit Issuance: None.

Other Comments: Allegheny River – The receiving stream is impaired by Mercury; however, the subject facility is not expected to be a cause or source of the impairment.

AMRs have been submitted.

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	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	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 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 state officials are on the right. The main map area shows aerial imagery with several stream segments overlaid in different colors: purple for Exceptional Value, blue for High Quality, and green for Warm Water Fish. A popup window titled "Designated Use Streams (1 of 3)" is open over a purple segment, displaying the following metadata:

- 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.

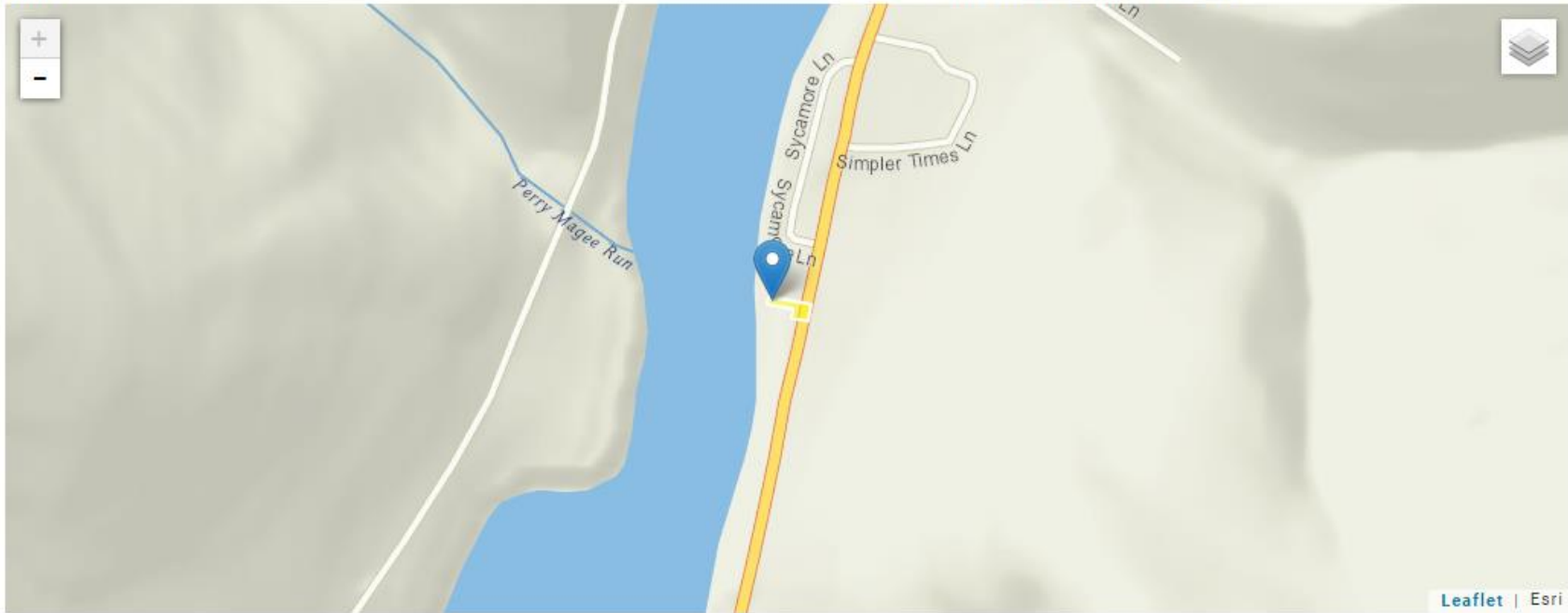
Other interface elements include a legend on the left with categories for Regulated Facilities, Water Quality, and Boundaries; a top navigation bar with "Map", "eFacts Query", "Advanced Query", and "Filter Plant Source Search"; and a "Locate Latitude and Longitude" dialog box on the right with input fields for Degrees, Minutes, and Seconds for both Latitude and Longitude.

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID:
Workspace ID:
Clicked Point (Latitude, Longitude):
Time:

PA
PA20230816150057798000
41.70443, -79.35093
2023-08-16 11:01:23 -0400



+ Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.00027	square miles