

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0265462
APS ID 1094571
Authorization ID 1450422

Applicant, Facility and Project Information

Applicant Name	<u>Martin Sanders</u>	Facility Name	<u>Martin Sanders SRSTP</u>
Applicant Address	<u>2858 Master Road</u> <u>Emlenton, PA 16373-3424</u>	Facility Address	<u>2858 Master Road</u> <u>Emlenton, PA 16373-3424</u>
Applicant Contact	<u>Martin Sanders</u>	Facility Contact	<u></u>
Applicant Phone	<u>(412) 537-1412</u>	Facility Phone	<u></u>
Applicant Email	<u>martysanders1987@gmail.com</u>		
Client ID	<u>339196</u>	Site ID	<u>825061</u>
SIC Code	<u>8800</u>	Municipality	<u>Richland Township</u>
SIC Description	<u>Private Households</u>	County	<u>Clarion</u>
Date Application Received	<u>July 11, 2023</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>August 16, 2023</u>	WQM App. No.	<u>1617405</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: A Premier Tech Aqua Ecoflo Coco Filter wastewater treatment system (EC7-600-P Pack Coco filter unit), a 1,000-gallon dual compartment septic tank, and a Salcor 3G UV 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 (339196) as of August 16, 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 16, 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>.0005</u>
Latitude	<u>41° 10' 58"</u>	Longitude	<u>-79° 37' 57"</u>
Quad Name	<u>Emlenton</u>	Quad Code	<u>41079B6</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Turkey Run (HQ-CWF)</u>	Stream Code	<u>49233</u>
NHD Com ID	<u>102671115</u>	RMI	<u>1.34</u>
Drainage Area	<u>0.77</u>	Yield (cfs/mi ²)	<u>0.1 (Default)</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.077</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Elevation (ft)	<u>1274</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>17-B</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>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</u>	<u>Default</u>	
Temperature (°F)	<u>20</u>	<u>Default</u>	
Hardness (mg/L)	<u>100</u>	<u>Default</u>	
Other:	<u></u>	<u></u>	
Nearest Downstream Public Water Supply Intake	<u>Parker Area Water Authority</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>951</u>
PWS RMI	<u>85</u>	Distance from Outfall (mi)	<u>---</u>

Changes Since Last Permit Issuance: Facility was originally permitted for Norweco Singulair Model 960 aerobic unit, a Norweco Bio Film Reactor, and a Salcor 3G UV unit but never built. A WQM permit amendment issued on May 3rd, 2018.

Other Comments: There are NO AMRs on file.

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
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 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 state officials are on the right. The main map area shows aerial imagery with a stream highlighted in blue. A popup window titled "Designated Use Streams (1 of 3)" is open over the stream, displaying the following metadata:

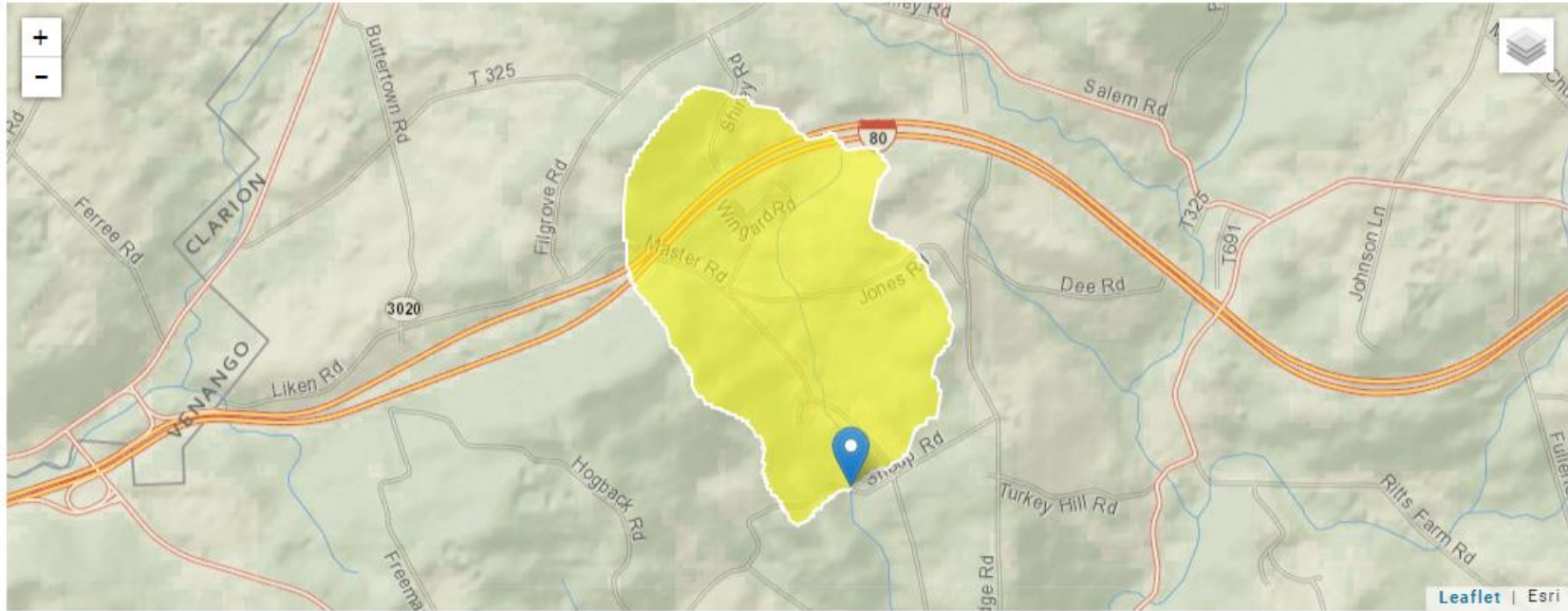
- Designated Use Gen ID: 27608
- GNIS Name:
- GNIS ID:
- ReachCode: 05010005000388
- COMID: 102671115
- Length Miles: 0.846
- Map Symbology: HQ
- Length Miles: 0.846
- Designated Use: 5
- DES Use ID: 4
- Use Description: HQ-CWF(HIGH QUALITY-COLD WATER FISHES)
- Migratory_Fish: N
- HUC: 05010005
- Basin: N
- Basin Narrative: Null
- Segment Narrative: Null
- Evaluation Date: Null
- Zoom to

On the right side of the map, there is a "Locate Latitude and Longitude" panel with input fields for Latitude (41, 10, 58) and Longitude (-79, 37, 57) in DD/MM/SS format, and "Locate" and "Close" buttons. The left sidebar contains a legend for "Regulated Facilities and Related Information" and "Streams and Water Resources", with sub-sections for "Water Quality" and "Designated Use Streams". A scale bar at the bottom left indicates 0, 0.1, and 0.2 miles. The ESRI logo is in the bottom right corner.

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID: PA
Workspace ID: PA20230816170248517000
Clicked Point (Latitude, Longitude): 41.18283, -79.63256
Time: 2023-08-16 13:03:10 -0400



Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.77	square miles