

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0265365  
APS ID 1086822  
Authorization ID 1436637

**Applicant, Facility and Project Information**

Applicant Name	<u>Francis Simendinger</u>	Facility Name	<u>Francis Simendinger SRSTP</u>
Applicant Address	<u>1182 E Lake Road</u> <u>Transfer, PA 16154-2724</u>	Facility Address	<u>1182 E Lake Road</u> <u>Transfer, PA 16154-2724</u>
Applicant Contact	<u>Francis Simendinger</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 854-0365</u>	Facility Phone	<u></u>
Applicant Email	<u>fsimendinger42@gmail.com</u>		
Client ID	<u>338216</u>	Site ID	<u>822629</u>
SIC Code	<u>8800</u>	Municipality	<u>Delaware Township</u>
SIC Description	<u>Private Households</u>	County	<u>Mercer</u>
Date Application Received	<u>April 10, 2023</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>May 1, 2023</u>	WQM App. No.	<u>4317408</u>
Project Description	<u>Renewal NPDES Permit for a Single Residence Sewage Treatment Plant</u>		

**Summary of Review**

This is a renewal Permit for a SRSTP consists of (WQM Permit No. 4317408): A Norweco Singlair Model 960-500 aerobic unit consisting of a pretreatment chamber, an aeration chamber, and a final clarification chamber, a Norweco Hydro-Kinetic Biofilm Reactor, and a Norweco AT1500 UV disinfection unit all in series discharging to the point of discharge (roadside ditch).

Act 14 – Proof of Notification was submitted and received.

SPECIAL CONDITIONS: NONE

The EPA waiver is in effect.

There is ONE open violation in WMS for the subject Client ID (338216) as of May 17, 2023 *Open violation in WMS has been resolved as of 5/26/2023. 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	May 17, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	5/26/2023

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° 18' 6.17"</u>	Longitude	<u>-80° 22' 3.20"</u>
Quad Name	<u>Fredonia</u>	Quad Code	<u>41080C3</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Shenango River (WWF)</u>	Stream Code	<u>36047</u>
NHD Com ID	<u>130025801</u>	RMI	<u>---</u>
Drainage Area	<u>---</u>	Yield (cfs/mi <sup>2</sup> )	<u>---</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0</u>	Q <sub>7-10</sub> Basis	<u>---</u>
Elevation (ft)	<u>1156</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>20-A</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</u>	Default	<u>---</u>
Temperature (°F)	<u>25</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>Sharpsville Borough Water Company</u>		
PWS Waters	<u>Shenango River</u>	Flow at Intake (cfs)	<u>94.3</u>
PWS RMI	<u>33.2</u>	Distance from Outfall (mi)	<u>10.4 (approximate)</u>

Changes Since Last Permit Issuance: None.

Other Comments: 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) <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	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 and the monitoring frequency has been established as “upon request” due to WWF stream designation.

Outfall Location - eMap with Aerial Imagery

The screenshot shows the Pennsylvania eMapPA interface. At the top, there is a banner with the Pennsylvania Department of Environmental Protection logo and the text "eMapPA". Below the banner, there are navigation tabs: "Layers", "Legend", and "Tasks".

The main map area displays aerial imagery with various stream features overlaid. A legend on the left side is titled "Legend" and includes sections for "Regulated Facilities and Related Information", "Streams and Water Resources", "Water Quality", "Designated Use Streams", "Boundaries", and "Municipalities".

A pop-up window titled "Designated Use Streams (1 of 3)" is open over a stream feature. The details listed are:

- Designated Use Gen ID: 59958
- GNIS Name:
- GNIS ID:
- ReachCode: 05030102000733
- COMID: 130034218
- Length Miles: 1.326
- Map Symbology: WWF
- Length Miles: 1.326
- Designated Use: 12
- DES Use ID: 8
- Use Description: WWF(WARM WATER FISHES)
- Migratory\_Fish: N
- HUC: 05030102
- Basin: N
- Basin Narrative: Null
- Segment Narrative: Null
- Evaluation Date: Null
- Last Fedit Date: Null
- [Zoom to](#)

Below the pop-up window, the coordinates "Latitude: 41.301719 Longitude: -80.367556" are displayed. A scale bar at the bottom left of the map shows 0, 0.2, and 0.4 miles. The Esri logo is visible in the bottom right corner of the map area.

At the bottom of the interface, there is a footer with the text: "Imagery: undefined; 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  
Workspace ID: PA20230501154038140000  
Clicked Point (Latitude, Longitude): 41.30171, -80.36757  
Time: 2023-05-01 11:41:11 -0400



+ Collapse All

➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0000386	square miles