

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0271519
APS ID 1092164
Authorization ID 1446101

Applicant, Facility and Project Information

Applicant Name	<u>Lisa Sevin</u>	Facility Name	<u>Lisa Sevin SRSTP</u>
Applicant Address	<u>250 Tieline Road</u> <u>Grove City, PA 16127</u>	Facility Address	<u>250 Tieline Road</u> <u>Grove City, PA 16127-6234</u>
Applicant Contact	<u>Lisa Sevin</u>	Facility Contact	<u></u>
Applicant Phone	<u></u>	Facility Phone	<u></u>
Client ID	<u>366791</u>	Site ID	<u>811418</u>
SIC Code	<u>8800</u>	Municipality	<u>Pine Township</u>
SIC Description	<u>Private Households</u>	County	<u>Mercer</u>
Date Application Received	<u>June 14, 2023</u>	WQM Required	<u>Yes - Received</u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>Renewal application for an NPDES Permit for an existing 5-bedroom home.</u>		

Summary of Review

This is an existing discharge previously permitted under an SRSTP Individual NPDES Permit and WQM Permit.

Act 14 – Notification was submitted and received.

Evidence was submitted that this facility has been tested within the previous permit term. The results of the tests show that this facility will be able to comply and that this facility is in good working order.

Treatment consists of (WQM Permit No. 4318405): A Norweco Model 960-600 GPD with 3 chambers, pretreatment, aeration, and final clarification tank. Disinfection used is a Norweco Model AT 1500 UV Disinfection unit.

There are no open violations in WMS for the subject Client ID (366791) as of 7/10/2023. [7/24/2023 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		Dustin Hargenrater Dustin Hargenrater / Civil Engineer Trainee	July 10, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	7/24/2023

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° 9' 28"</u>	Longitude	<u>-80° 2' 8.2"</u>
Quad Name	<u>Grove City</u>	Quad Code	<u>41080B1</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Swamp Run (CWF)</u>	Stream Code	<u>34275</u>
NHD Com ID	<u>126219208</u>	RMI	<u>0.1700</u>
Drainage Area	<u>1.39 mi²</u>	Yield (cfs/mi ²)	<u>0.0095</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.0132</u>	Q ₇₋₁₀ Basis	<u>USGS - StreamStats</u>
Elevation (ft)	<u></u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u>1305</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>68</u>	Default	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Pennsylvania American Water Company – Ellwood City</u>		
PWS Waters	<u>Slippery Rock Creek</u>	Flow at Intake (cfs)	<u>53.1</u>
PWS RMI	<u>0.1</u>	Distance from Outfall (mi)	<u>34.93</u>

Changes Since Last Permit Issuance: No changes since last permit issuance.

Other Comments: This facility reported values of 4.62 mg/L for BOD5, <1 mg/L for Fecal Coliform, and <5 mg/L for Total Suspended Solids. These results are well below the limits set forth in the previous permit showing that this facility is in good working order.

Per the SOP, no water quality modeling was performed since this is an SRSTP.

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
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, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

Attachment 1
eMap – Location and Receiving Stream Data

The screenshot displays a web-based GIS application interface. At the top, there are navigation tabs: 'Map', 'eFacts Query', 'Advanced Query', and 'Filter Plant Source Search'. Below these are map style options: 'ESRI Streets & Imagery' (selected), 'Topographic', and 'National Geographic'. A toolbar contains standard GIS navigation icons. A 'Streets' and 'Imagery' layer control is visible on the left. The main map area shows a network of roads (Enterprise Rd, Diamond Rd, Pinchalang Rd, Basham Rd, Tieline Rd, Whittaker School Rd, Risch Ln) and a stream network. A yellow crosshair is positioned on a stream segment, with a text overlay: 'Latitude: 41.157778 - Longitude: -80'. A data popup window titled 'PA Historic Streams (1 of 6)' is open over this segment, displaying the following details:

- Name: Swamp Run
- Net Streams: 87441
- Shed: 20C
- Named: 1
- Rec No: 87441
- Seg ID: 34275_4.5691_5.0343
- Seg ID Old: 34275_4.5691_5.0343
- From Node: 45302
- To Node: 45556
- Down River Mile: 4.569139
- Up River Mile: 5.034266
- WRDS: 34275
- Strahler: 2

A 'Zoom to' button is located at the bottom of the popup. In the top right corner, a 'Locate Latitude and Longitude' dialog box is open, showing input fields for Latitude (41, 9, 28) and Longitude (-80, 2, 8.2) in DD/MM/SS format, with 'Locate' and 'Close' buttons. The bottom left of the map includes a scale bar (0 to 0.2 miles) and the Esri logo with the text 'POWERED BY esri'. At the very bottom, a copyright notice reads: 'Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; 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'.

Attachment 2
Google Earth – Site Imagery

