

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0263460
APS ID 1097494
Authorization ID 1456088

Applicant, Facility and Project Information

Applicant Name	<u>Joseph Landis</u>	Facility Name	<u>Joseph Landis SRSTP</u>
Applicant Address	<u>414 Freeport Street</u> <u>Saxonburg, PA 16056-9416</u>	Facility Address	<u>414 Freeport Street</u> <u>Saxonburg, PA 16056-9416</u>
Applicant Contact	<u>Joseph Landis</u>	Facility Contact	<u>Joseph Landis</u>
Applicant Phone	<u>(724) 448-4135</u>	Facility Phone	<u>(724) 448-4135</u>
Client ID	<u>264330</u>	Site ID	<u>704510</u>
SIC Code	<u>4952</u>	Municipality	<u>Clinton Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Butler</u>
Date Application Received	<u>September 25, 2023</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>November 8, 2023</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 NPDES Permit for an SRSTP consists of (WQM Permit No. 1008402): 1500-gallon dual chamber septic tank with effluent filter, a 1000-gallon dosing tank, a 792 square ft. subsurface sand filter and UV disinfection. Design flow is 500 GPD.

This permit does not qualify for a PAG-04 General Permit because the discharge is to a high-quality designated stream.

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 (264330) as of November 8, 2023 [11/14/2023 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	November 8, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	11/14/2023

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>40° 43' 45.41"</u>	Longitude	<u>-79° 48' 3.08"</u>
Quad Name	<u>Curtisville</u>	Quad Code	<u>40079F7</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Sarver Run (HQ-TSF)</u>	Stream Code	<u>---</u>
NHD Com ID	<u>123971222</u>	RMI	<u>---</u>
Drainage Area	<u>0.17</u>	Yield (cfs/mi ²)	<u>0.1 (Default)</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.017</u>	Q ₇₋₁₀ Basis	<u>Dry Stream</u>
Elevation (ft)	<u>1255</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>18-F</u>	Chapter 93 Class.	<u>HQ-TSF</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>7.0</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>Harrison Township Water Authority</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>2250</u>
PWS RMI	<u>24.2</u>	Distance from Outfall (mi)	<u>16.3</u>

Changes Since Last Permit Issuance: None.

Other Comments: AMRs have been submitted. Septic tank was pumped in August 2022.

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 shows the Pennsylvania eMapPA web application interface. At the top, there is a banner with the Pennsylvania Department of Environmental Protection logo and the text 'eMapPA'. Below the banner are navigation links for 'PA STATE AGENCIES', 'ONLINE SERVICES', 'Josh Shapiro, Governor', 'Jessica Shirley, Interim Acting Secretary', and 'DEP Home'.

The main interface includes a 'Layers' panel on the left with a 'Legend' tab. The legend is organized into several sections:

- Regulated Facilities and Related Information**
- Streams and Water Resources**
 - Surface Water Related
 - PA Historic Streams
 - Water Quality
 - Existing Use Streams
 - Cold Water Fish
 - Exceptional Value
 - High Quality
 - Trout Stocking
 - Warm Water Fish
 - Overlap
 - Designated Use Streams
 - Cold Water Fish
 - Exceptional Value
 - High Quality
 - Trout Stocking
 - Warm Water Fish
 - Overlap
 - Missing from CH93
- Boundaries**
 - County Boundaries
 - Municipalities

The main map area displays aerial imagery with a blue line representing a stream. A popup window titled 'Designated Use Streams (2 of 4)' is open, showing the following details:

- Designated Use Gen ID: 25143
- GNIS Name:
- GNIS ID:
- ReachCode: 05010009000410
- COMID: 123971222
- Length Miles: 0.868
- Map Symbology: HQ
- Length Miles: 0.868
- Designated Use: 7
- DES Use ID: 5
- Use Description: HQ-TSF(HIGH QUALITY-TROUT STOCKING)
- Migratory_Fish: N
- HUC: 05010009
- Basin: N
- Basin Narrative: Null
- Segment Narrative: Null
- Evaluation Date: Null
- [Zoom to](#)

Below the popup, the map shows the coordinates: Latitude: 40.729281 - Longitude: -79.800856. A scale bar at the bottom left indicates 0, 0.1, and 0.2 miles. The bottom right corner features the 'POWERED BY esri' logo.

At the very bottom of the page, there is a small text line: '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:
Workspace ID:
Clicked Point (Latitude, Longitude):
Time:

PA
PA20231108154332455000
40.72933, -79.80087
2023-11-08 10:43:53 -0500



+ Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.17	square miles