

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0296201
APS ID 1145341
Authorization ID 1540795

Applicant, Facility and Project Information

| | | | |
|---------------------------|--|------------------|--|
| Applicant Name | <u>Dean Meyer</u> | Facility Name | <u>Dean Meyer SRSTP</u> |
| Applicant Address | <u>75 Mapleview Drive Apt A1 Ridgway, PA 15853-6355</u> | Facility Address | <u>1227 Markert Road Wilcox, PA 15870-5608</u> |
| Applicant Contact | <u>Dean Meyer</u> | Facility Contact | <u></u> |
| Applicant Phone | <u>(814) 512-4876</u> | Facility Phone | <u></u> |
| Client ID | <u>395012</u> | Site ID | <u>880713</u> |
| SIC Code | <u>8800</u> | Municipality | <u>Jones Township</u> |
| SIC Description | <u>Private Households</u> | County | <u>Elk</u> |
| Date Application Received | <u>September 8, 2025</u> | WQM Required | <u>Yes – Application Received</u> |
| Date Application Accepted | <u>September 11, 2025</u> | WQM App. No. | <u>2425401</u> |
| Project Description | <u>Installation of a single residence sewage treatment plant serving an existing two-bedroom dwelling.</u> | | |

Summary of Review

This is a new discharge which will serve an existing two-bedroom dwelling into stream channel - Swamp Creek which is in a High Quality (HQ) watershed. The average daily flow is projected to be 400 GPD.

Act 14 notifications were submitted and received.

The proposed system consists of (WQM Permit No. 2425401): 1,000-gallon dual compartment concrete septic tank with a Zable A300 effluent filter and alarm at the outlet end of the tank. An NSF approved Premier Tech ECC-530-C-PDV coco filter with an integrated DiUV unit and pump preinstalled by the manufacturer.

There are no open violations in WMS for the subject Client ID (395012) as of September 10, 2025.

Act 537 planning approval letter issued on August 5, 2025.

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 | | Adebayo Olude Adebayo Olude / Civil Engineer Trainee | September 10, 2025 |
| X | | Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager | September 19, 2025 |

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° 35' 36.87"</u> | Longitude | <u>-78° 35' 39.55"</u> |
| Quad Name | <u>Glen Hazel</u> | Quad Code | <u>41078E5</u> |
| Wastewater Description: <u>Sewage Effluent</u> | | | |
| Receiving Waters | <u>Swamp Creek (HQ-CWF)</u> | Stream Code | <u>50763</u> |
| NHD Com ID | <u>102663197</u> | RMI | <u>0.2300</u> |
| Drainage Area | <u>2.39</u> | Yield (cfs/mi ²) | <u>0.0603</u> |
| Q ₇₋₁₀ Flow (cfs) | <u>0.144</u> | Q ₇₋₁₀ Basis | <u>USGS StreamStats</u> |
| Elevation (ft) | <u>1877</u> | Slope (ft/ft) | <u>-</u> |
| Watershed No. | <u>17-A</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>Impaired</u> | | |
| Cause(s) of Impairment | <u>METALS</u> | | |
| Source(s) of Impairment | <u>ACID MINE DRAINAGE</u> | | |
| TMDL Status | <u></u> | Name | <u></u> |
| Background/Ambient Data | | | |
| pH (SU) | <u>7</u> | Data Source | <u>Default</u> |
| Temperature (°F) | <u>20</u> | Data Source | <u>Default - CWF</u> |
| Hardness (mg/L) | <u>100</u> | Data Source | <u>Default</u> |
| Other: | <u>-</u> | Data Source | <u>-</u> |
| Nearest Downstream Public Water Supply Intake | <u>Pennsylvania American Water Company - Clarion</u> | | |
| PWS Waters | <u>Clarion River</u> | Flow at Intake (cfs) | <u>33.3</u> |
| PWS RMI | <u>90.7</u> | Distance from Outfall (mi) | <u>>15miles</u> |

Changes Since Last Permit Issuance: N/A

Other Comments: This SRSTP is designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to the discharge into a High-Quality Watershed.

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.

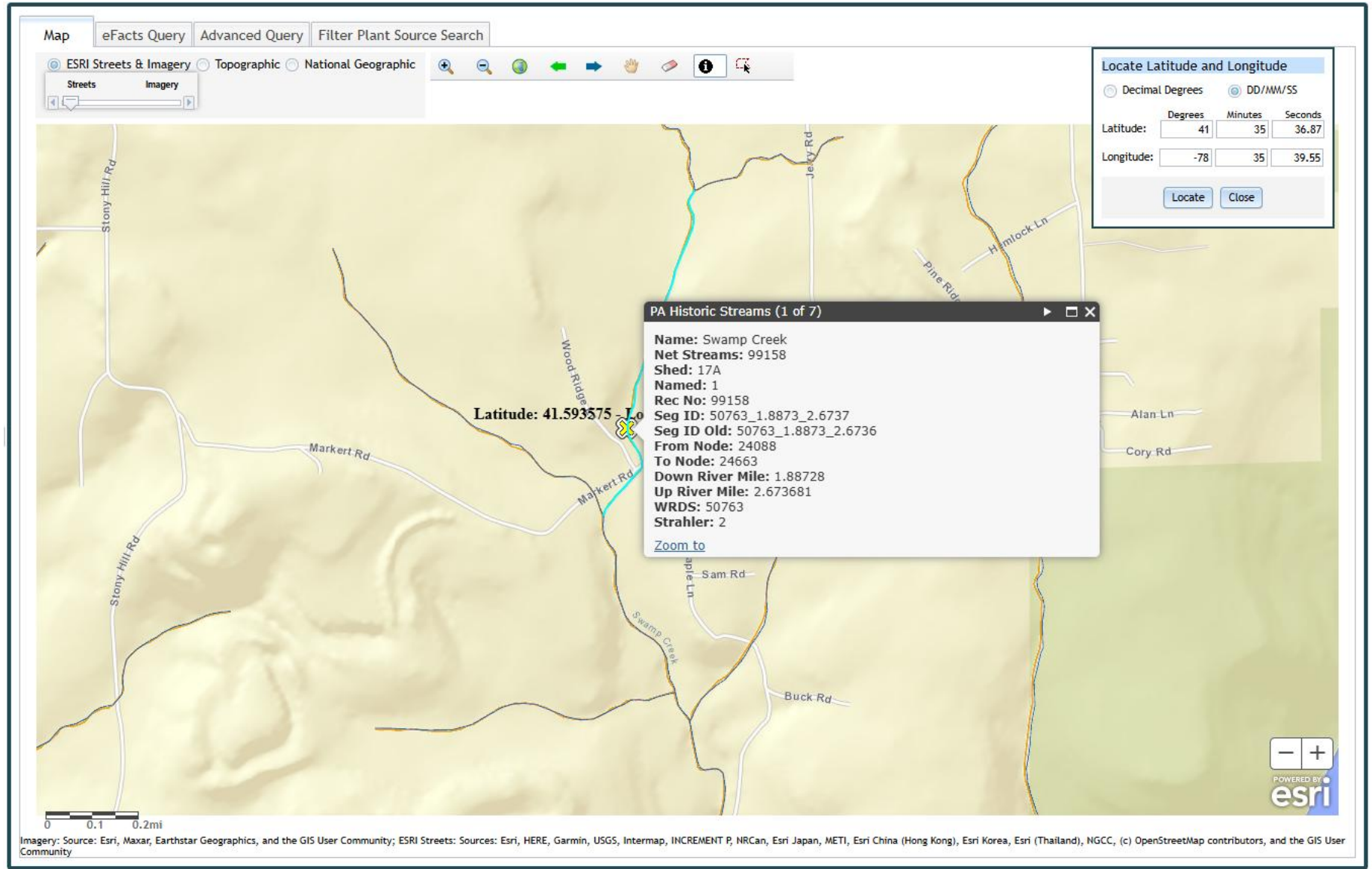
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

| 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 (MGD) | 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 |
| CBOD5 | 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 |

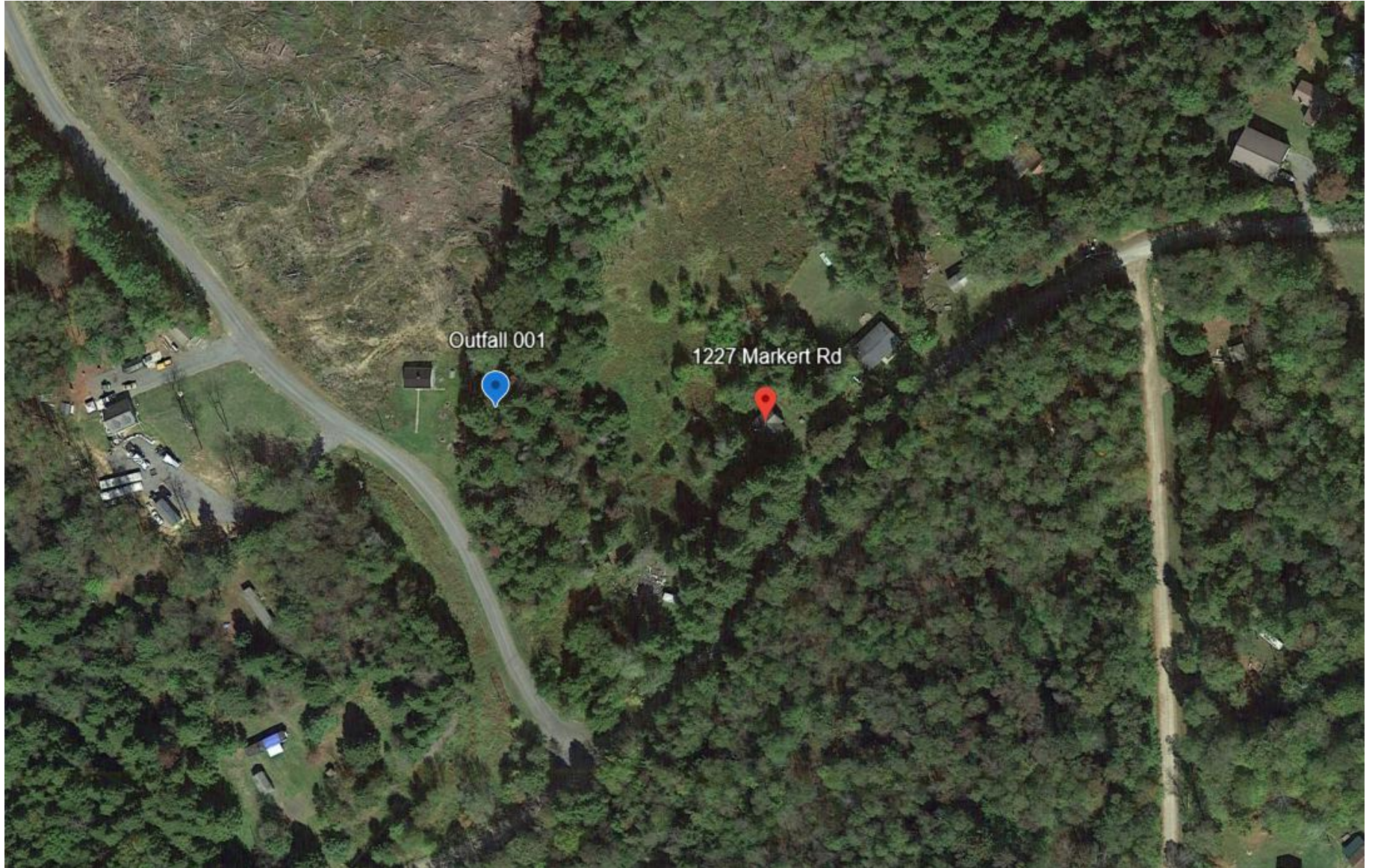
Compliance Sampling Location: Outfall 001

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for CBOD5, Total Suspended Solids are BPJ-based on the Department's "Small Flow Treatment Facilities Manual." Fecal Coliform are technology-based on Chapter 92a.47.

Attachment 1
eMAP – Receiving stream location and Designation



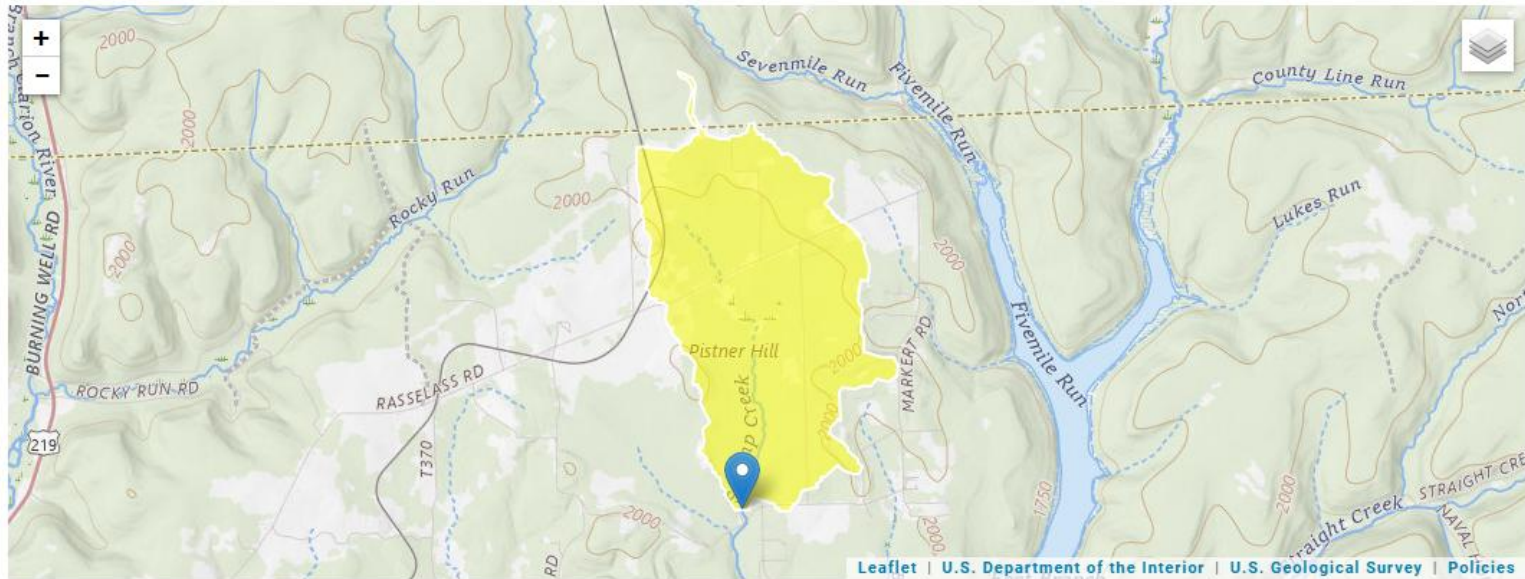
Attachment 2
Google Earth Aerial Site View



Attachment 3
StreamStats Report

StreamStats Report

Region ID: PA
 Workspace ID: PA20250911125611802000
 Clicked Point (Latitude, Longitude): 41.59356, -78.59430
 Time: 2025-09-11 08:56:32 -0400



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➤ Basin Characteristics

| Parameter Code | Parameter Description | Value | Unit |
|----------------|---|-------|--------------|
| DRNAREA | Area that drains to a point on a stream | 2.39 | square miles |
| ELEV | Mean Basin Elevation | 1975 | feet |
| PRECIP | Mean Annual Precipitation | 45 | inches |