

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

## NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0222976  
APS ID 1121640  
Authorization ID 1499465

### Applicant, Facility and Project Information

Applicant Name	<u>Wayne Hindman</u>	Facility Name	<u>Wayne Hindman SRSTP</u>
Applicant Address	<u>100 Foxcroft Drive</u> <u>Butler, PA 16001-3422</u>	Facility Address	<u>9756 Route 36</u> <u>Sigel, PA 15860</u>
Applicant Contact	<u>Wayne Hindman</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 822-3942</u>	Facility Phone	<u></u>
Applicant Email	<u>wayne.hindman@gmail.com</u>		<u></u>
Client ID	<u>360640</u>	Site ID	<u>490441</u>
SIC Code	<u>4952,8800</u>	Municipality	<u>Barnett Township</u>
SIC Description	<u>Private Households, Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Jefferson</u>
Date Application Received	<u>September 13, 2024</u>	WQM Required	<u>No – Issued Previously</u>
Date Application Accepted	<u>September 30, 2024</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 application for a NPDES Permit for an SRSTP consists of (WQM Permit No. 3399402 T-1): A 1,000-gallon dual compartment septic tank with effluent filter, 500-gallon dosing tank discharging to a 600 sq. foot (30'x20') recirculating subsurface sand filter and chlorine tablet disinfection with a 500-gallon contact tank.

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 (360640) as of October 30, 2024.

#### 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	October 30, 2024
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	October 31, 2024

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	41° 18' 30.00"	Longitude	-79° 7' 24.00"
Quad Name	Sigel	Quad Code	41079C1
Wastewater Description: Sewage Effluent			
Receiving Waters	Cathers Run (HQ-CWF)	Stream Code	49826
NHD Com ID	102668697	RMI	7.67
Drainage Area	0.071	Yield (cfs/mi <sup>2</sup> )	0.1
Q <sub>7-10</sub> Flow (cfs)	0.0071	Q <sub>7-10</sub> Basis	Default – Drainage Swale
Elevation (ft)	1588	Slope (ft/ft)	---
Watershed No.	17-B	Chapter 93 Class.	HQ-CWF
Existing Use	---	Existing Use Qualifier	---
Exceptions to Use	---	Exceptions to Criteria	---
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	---		
Source(s) of Impairment	---		
TMDL Status	---	Name	---
Background/Ambient Data		Data Source	
pH (SU)	7.0	Default	
Temperature (°F)	68	Default	
Hardness (mg/L)	100	Default	
Other:			
Nearest Downstream Public Water Supply Intake	Pennsylvania American Water Company - Clarion		
PWS Waters	Clarion River	Flow at Intake (cfs)	90.7
PWS RMI	33.3	Distance from Outfall (mi)	---

Changes Since Last Permit Issuance: ---

Other Comments: This SRSTP was 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.

This is an existing and previously approved discharge to a High-Quality watershed. No expansion or changes to effluent quantity or quality are proposed. Therefore, no additional anti-degradation review should be required.

**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	1/month	Grab
Total Residual Chlorine (TRC)	XXX	XXX	XXX	0.5	XXX	1.6	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, after disinfection.

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. 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). The TRC limitations from the previous permit are imposed pursuant to EPA’s anti-backsliding regulation, 40 CFR 122.44(1).

Outfall Location - eMap with Aerial Imagery

The screenshot displays the eMapPA web application interface. The header includes the Pennsylvania Department of Environmental Protection logo and navigation links for PA State Agencies, Online Services, and state officials. The main map area shows aerial imagery with stream networks overlaid. A legend on the left categorizes streams by regulated facilities, water quality, and designated uses. A popup window provides detailed information for a selected stream segment.

**Legend**

- Regulated Facilities and Related Information
- Streams and Water Resources
  - 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

**Designated Use Streams (1 of 3)**

- Designated Use Gen ID: 20729
- GNIS Name: Catthers Run
- GNIS ID: 01210152
- ReachCode: 05010005001041
- COMID: 102668697
- Length Miles: 1.551
- Map Symbology: HQ
- Length Miles: 1.551
- 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
- Last Edit Date: Null
- [Zoom to](#)

**Locate Latitude and Longitude**

Decimal Degrees ☒ DD/MM/SS

Latitude: Degrees 41 Minutes 18 Seconds

Longitude: -79 7 24

[Locate](#) [Close](#)

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):

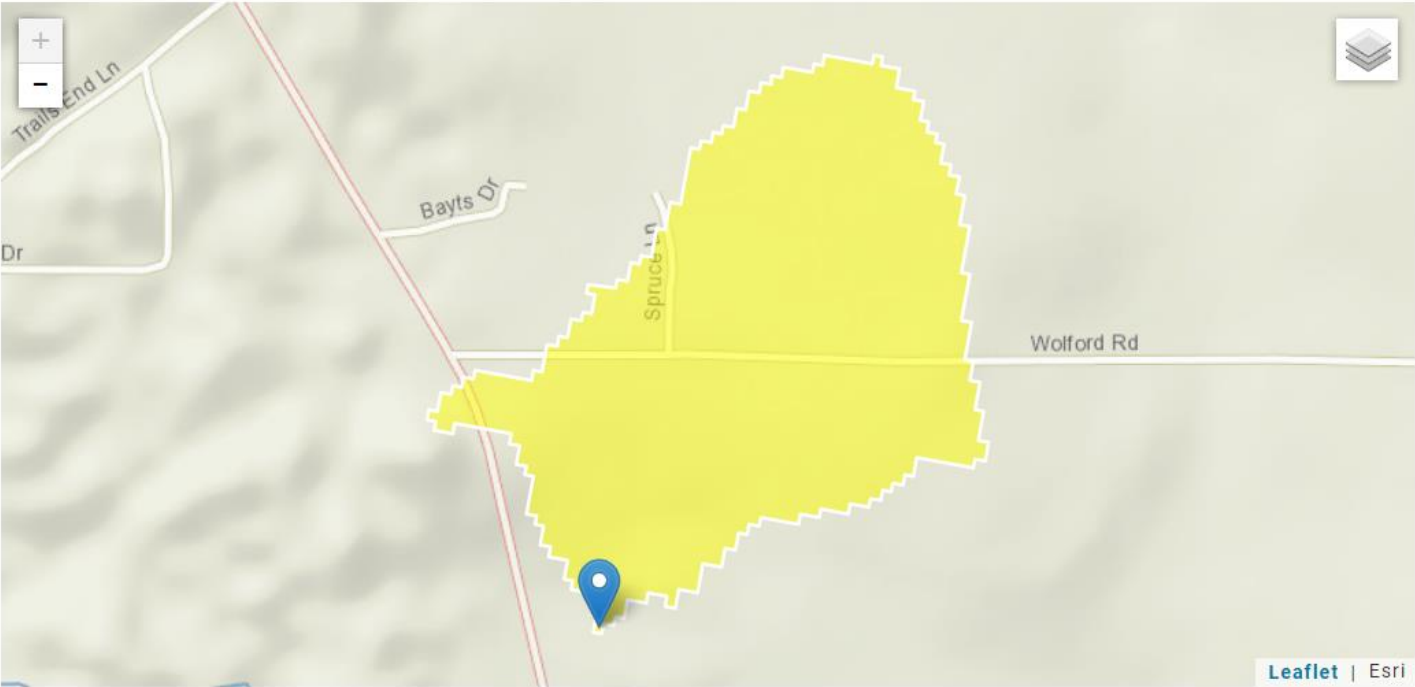
Time:

PA

PA20240930175554953000

41.30831, -79.12336

2024-09-30 13:56:19 -0400



+ Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0717	square miles