

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0296236
APS ID 1150408
Authorization ID 1549048

Applicant, Facility and Project Information

Applicant Name <u>Robert Robertson</u>	Facility Name <u>Robert Robertson SRSTP</u>
Applicant Address <u>532 Marwood Road</u> <u>Cabot, PA 16023-9526</u>	Facility Address <u>532 Marwood Road</u> <u>Cabot, PA 16023-9526</u>
Applicant Contact <u>Robert Robertson</u>	Facility Contact _____
Applicant Phone <u>(724) 816-5179</u>	Facility Phone _____
Applicant Email <u>Bobwoowoo1@gmail.com</u>	_____
Client ID <u>396403</u>	Site ID <u>881966</u>
SIC Code <u>8800</u>	Municipality <u>Winfield Township</u>
SIC Description <u>Private Households</u>	County <u>Butler</u>
Date Application Received <u>November 12, 2025</u>	WQM Required <u>Yes – Application Submitted</u>
Date Application Accepted <u>November 20, 2025</u>	WQM App. No. <u>1025406</u>
Project Description <u>Installation of a new Single Residence Sewage Treatment Plant</u>	

Summary of Review

This is a new discharge for an existing 2 bedrooms residential dwelling with proposed construction of a single residence sewage treatment plant to replace a malfunctioning on-lot sewage system. The average daily flow is projected to be 400 GPD.

Proposed treatment will consist of (WQM Permit No. 1025406): A Norweco Singlair Bio-Kinetic Model 960-500 treatment tank which has a total capacity of 1300 gallons and is rated for 500/600 gpd, followed by Norweco Singlair Hydro-Kinetic Bio-Film Reactor (HKBFR) which has a total capacity of 1055 gallons, a Model AT 1500 UV disinfection unit and outfall pipe. The effluent is discharged to a dry stream channel to UNT to Rough Run (HQ-TSF), at a rate of 400 gpd.

Act 14 – Proof of Notification was submitted and received.

Act 537 Sewage Facilities Planning Module Component 3s was approved by the department on August 21, 2025.

SPECIAL CONDITIONS: NONE

The EPA waiver is in effect.

There are NO open violations in WMS for the subject Client ID (396403) as of November 21, 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		Aeshah Shameseldin Aeshah Shameseldin / Project Manager	November 21, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	December 17, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	40° 47' 39.67"	Longitude	-79° 44' 45.76"
Quad Name	Worthington	Quad Code	40079G6
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to Rough Run (HQ-TSF)	Stream Code	42644
NHD Com ID	123973623	RMI	0.8900
Drainage Area	---	Yield (cfs/mi ²)	---
Q ₇₋₁₀ Flow (cfs)	0	Q ₇₋₁₀ Basis	Dry Channel
Elevation (ft)	1306	Slope (ft/ft)	---
Watershed No.	18-F	Chapter 93 Class.	HQ-TSF
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	Harrison Township Water Authority		
PWS Waters	Allegheny River	Flow at Intake (cfs)	---
PWS RMI	24.2	Distance from Outfall (mi)	---

Changes Since Last Permit Issuance: N/A -This is a proposed discharge (Planning was approved on August 21, 2025).

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.

The Norweco Singulair Model 960-500 treatment tank is reportedly capable of meeting CBOD5 averages of 10 mg/L and TSS averages of 10 mg/L.

In accordance with 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.

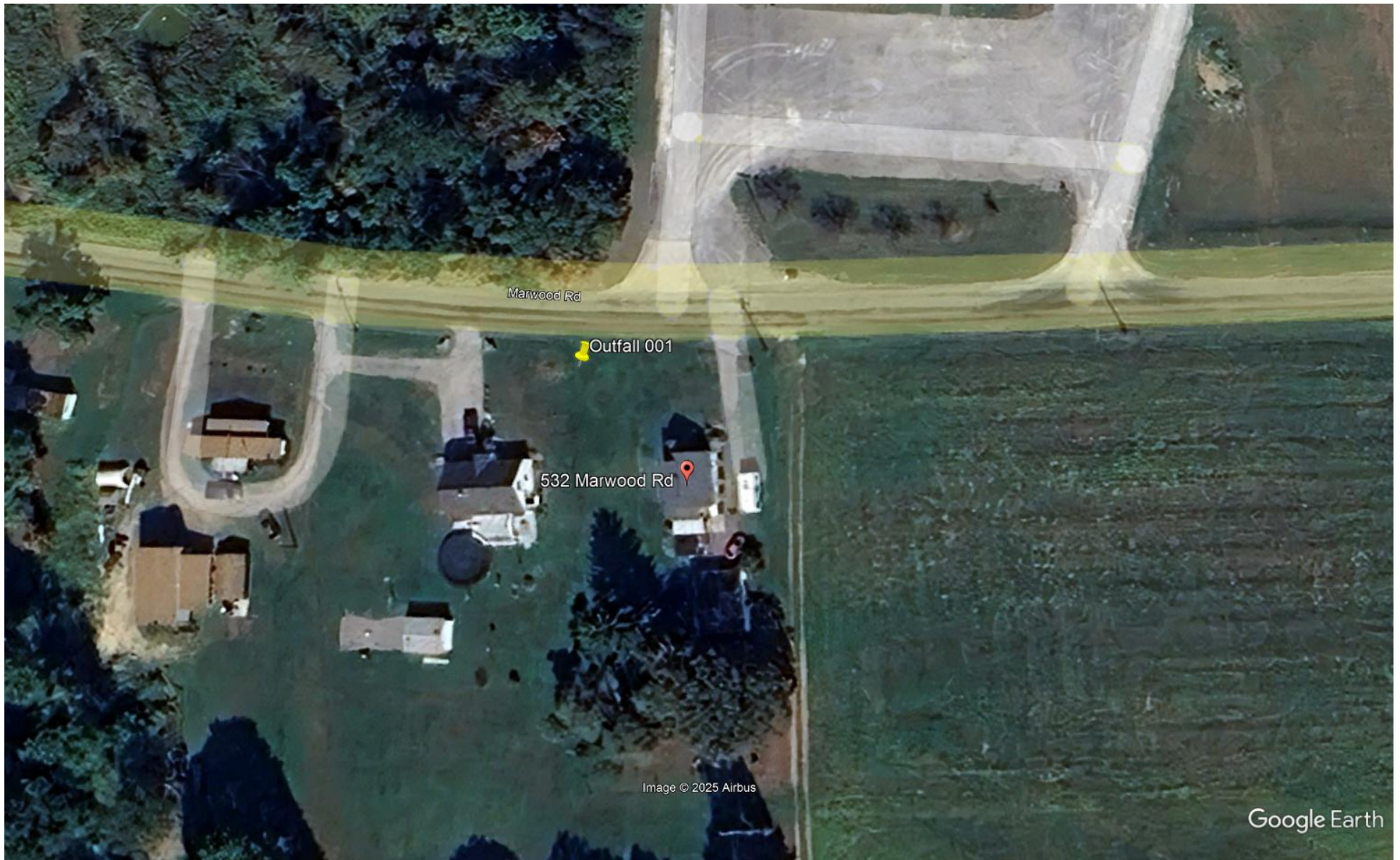
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	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 UV 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).

Outfall Location – Google Earth with Aerial Imagery



Outfall Location & Receiving Stream – eMap with Aerial Imagery

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

eMapPA

PA STATE AGENCIES ONLINE SERVICES Josh Shapiro, Governor Jessica Shirley, Secretary DEP Home

Layers Legend Tasks

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

Map eFacts Query Advanced Query Filter Plant Source Search

ESRI Streets & Imagery Topographic National Geographic

Streets Imagery

Locate Latitude and Longitude

Decimal Degrees DD/MM/SS

Latitude: Degrees Minutes Seconds
40 47 39.67

Longitude: -79 44 45.76

Locate Close

Designated Use Streams (1 of 3)

Designated Use Gen ID: 82513
GNIS Name:
GNIS ID:
ReachCode: 05010009001043
COMID: 123973623
Length Miles: 0.891
Map Symbolology: HQ
Length Miles: 0.891
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
Last Edit Date: Null
[Zoom to](#)

Latitude: 40.794353 Longitude: -79.746044

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

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Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID:

Workspace ID:

Clicked Point (Latitude, Longitude):

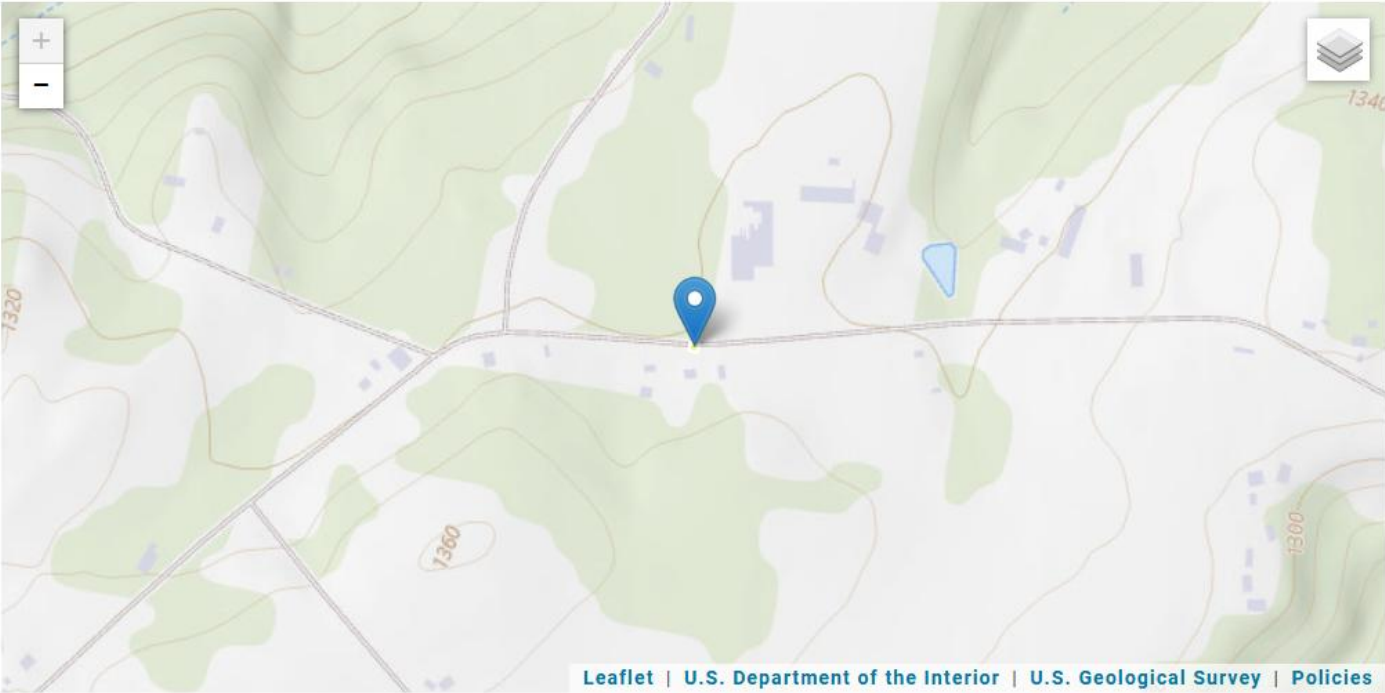
Time:

PA

PA20251121164327444000

40.79435, -79.74607

2025-11-21 11:43:54 -0500



+ Collapse All

> Basin Characteristics

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