



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

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 Singulair 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 Singulair 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.

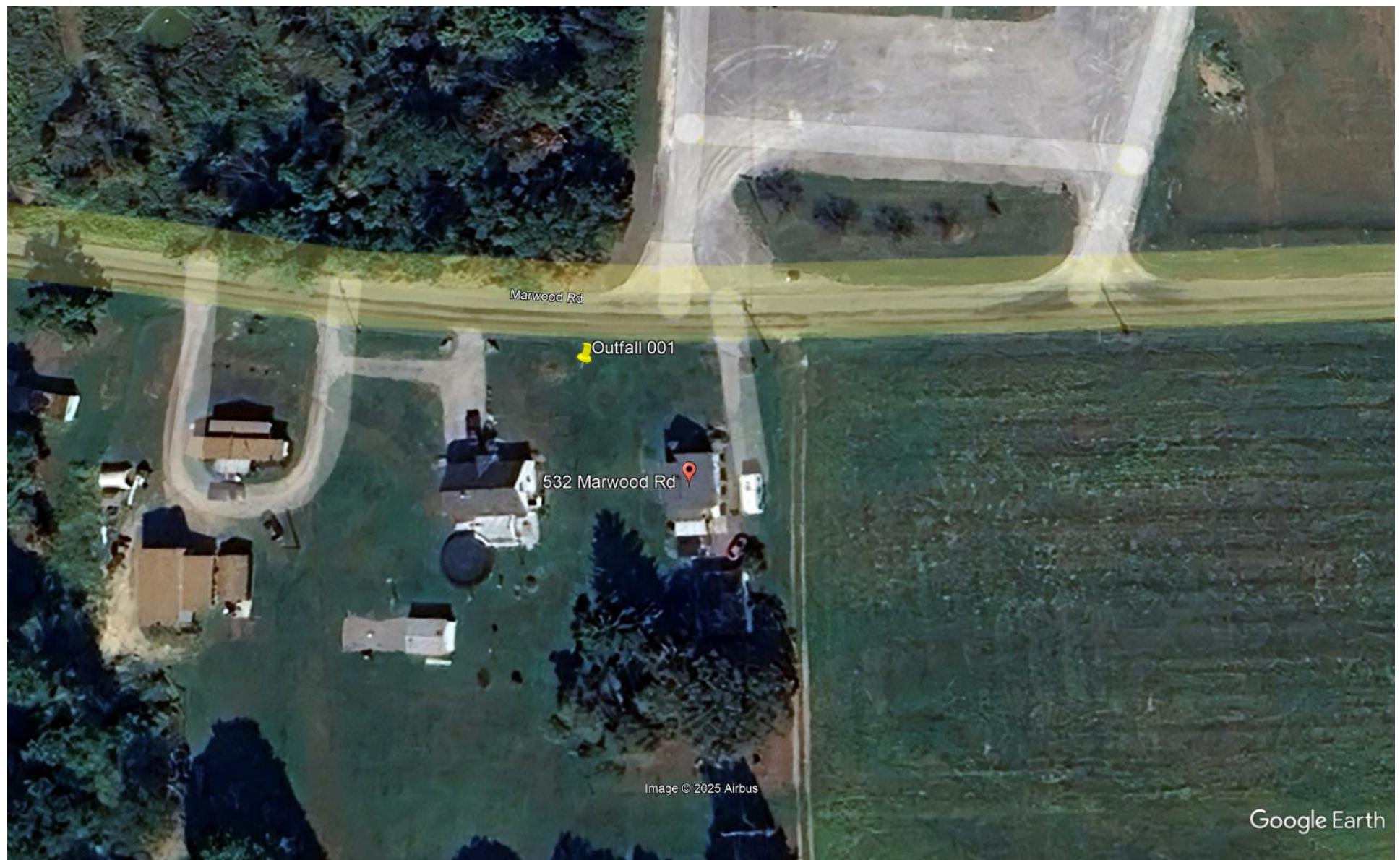
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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

The screenshot shows the eMapPA application interface. At the top, there is a banner for the Pennsylvania Department of Environmental Protection (DEP) with the text "eMapPA" and "DEP Home". Below the banner, the main interface has a "Legend" panel on the left and a "Map" panel on the right.

Legend (Left Panel):

- 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

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

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID:

PA

Workspace ID:

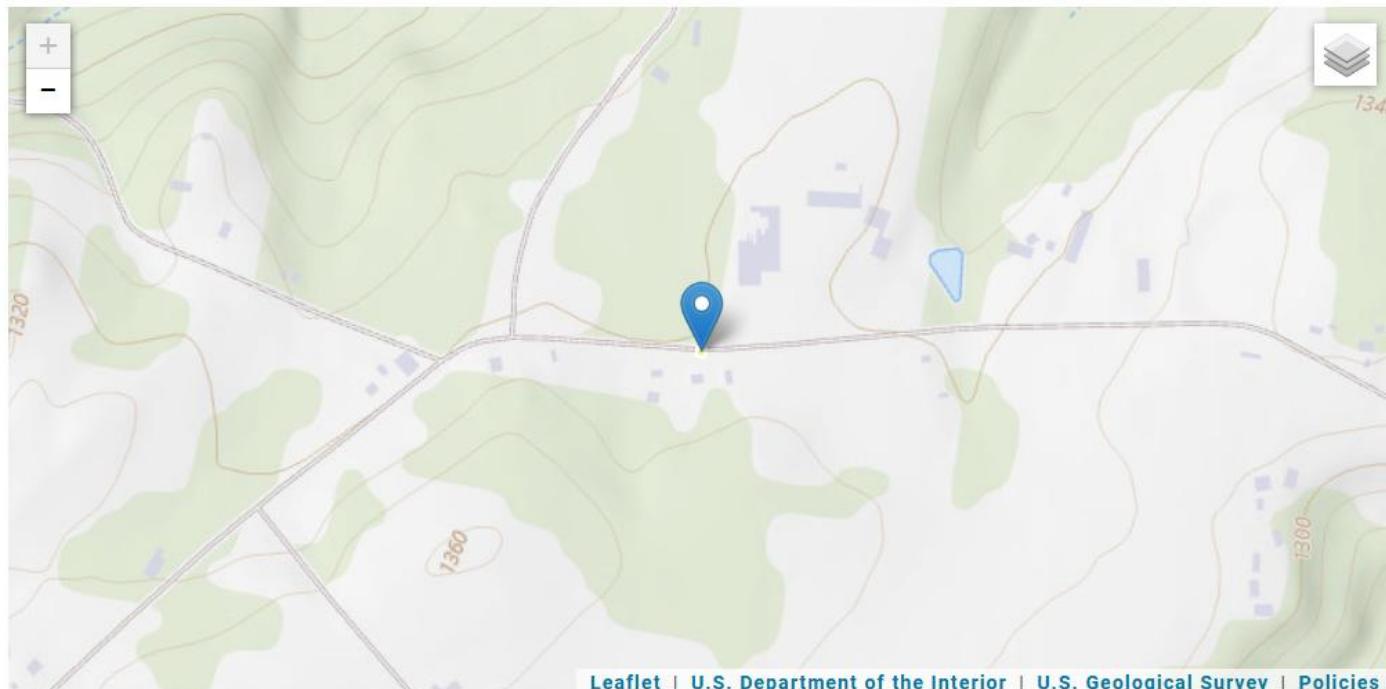
PA20251121164327444000

Clicked Point (Latitude, Longitude):

40.79435, -79.74607

Time:

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