

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0293041  
APS ID 1085333  
Authorization ID 1434192

**Applicant, Facility and Project Information**

Applicant Name	<u>Amos J Yoder</u>	Facility Name	<u>Amos J Yoder SRSTP</u>
Applicant Address	<u>195 Bend Road</u> <u>New Wilmington, PA 16142</u>	Facility Address	<u>Bend Road</u> <u>New Wilmington, PA 16142</u>
Applicant Contact	<u>Amos Yoder</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 991-6881</u>	Facility Phone	<u></u>
Client ID	<u>376479</u>	Site ID	<u>862000</u>
SIC Code	<u>8800</u>	Municipality	<u>Wilmington Township</u>
SIC Description	<u>Private Households</u>	County	<u>Mercer</u>
Date Application Received	<u>March 23, 2023</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>April 19, 2023</u>	WQM App. No.	<u>4323407</u>
Project Description	<u>Installation of a Single Residence Sewage Treatment Plant</u>		

**Summary of Review**

This is a new discharge for a proposed 3 bedrooms residential dwelling with proposed construction of a single residence sewage treatment plant. The daily sewage flow is projected to be 400 GPD.

Proposed treatment will consist of (WQM Permit No. 4323407): A 1,000 gallon dual chamber septic tank with an effluent filter (TUF-TITE EF-6, or equivalent), a 500 gallon dosing tank with a dosing siphon (Fluid Dynamic Model 212 Dosing Siphon, or equivalent), a 600 sq. ft. (24 ft. x 25 ft.) subsurface sand filter, a chlorinator (Norweco Bio-Dynamic Model LF 1000, or equivalent), and a 500 gallon chlorine contact tank.

Act 14 – Proof of Notification was submitted and received.

*There are no open violations in WMS for Client ID 376479 as of 4/24/2023. CWY*

SPECIAL CONDITIONS: NONE

The EPA waiver is in effect.

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	April 19, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	4/24/2023

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>.0004</u>
Latitude	<u>41° 8' 51.85"</u>	Longitude	<u>-80° 20' 49.31"</u>
Quad Name	<u>Greenfield</u>	Quad Code	<u>41080B3</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to West Branch Little Neshannock Creek (TSF)</u>	Stream Code	<u>35550</u>
NHD Com ID	<u>130026508</u>	RMI	<u>0.3800</u>
Drainage Area	<u></u>	Yield (cfs/mi <sup>2</sup> )	<u></u>
Q <sub>7-10</sub> Flow (cfs)	<u>0</u>	Q <sub>7-10</sub> Basis	<u>Dry Ditch</u>
Elevation (ft)	<u>1145 (Approximately)</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>20-A</u>	Chapter 93 Class.	<u>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</u>	<u>Default</u>	
Temperature (°F)	<u>25</u>	<u>Default</u>	
Hardness (mg/L)	<u>100</u>	<u>Default</u>	
Other:	<u></u>	<u></u>	
Nearest Downstream Public Water Supply Intake	<u>Pennsylvania American Water Company - Ellwood City</u>		
PWS Waters	<u>Beaver River</u>	Flow at Intake (cfs)	<u>292.50</u>
PWS RMI	<u>13</u>	Distance from Outfall (mi)	<u>---</u>

Changes Since Last Permit Issuance: N/A -This is a proposed discharge (Planning was approved on March 16, 2023)

Other Comments: This SRSTP was designed in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit because the PAG-04 authorization has expired.

In accordance with the SOP, no water quality modeling was performed since this is a 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) <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	Upon Request	Grab
TRC	XXX	XXX	XXX	Report Avg Mo	XXX	XXX	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.

Outfall Location - eMap with Aerial Imagery

**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: 37299  
GNIS Name:  
GNIS ID:  
ReachCode: 05030102000497  
COMID: 130026508  
Length Miles: 1.078  
Map Symbology: TSF  
Length Miles: 1.078  
Designated Use: 10  
DES Use ID: 7  
Use Description: TSF(TROUT STOCKING)  
Migratory Fish: N  
HUC: 05030102  
Basin: N  
Basin Narrative: Null  
Segment Narrative: Null  
Evaluation Date: Null  
[Zoom to](#)

Locate Latitude and Longitude

Decimal Degrees  DD/MM/SS

Latitude: Degrees: 41 Minutes: 8 Seconds: 51.85  
Longitude: -80 20 49.31

Latitude: 41.147736 Longitude: -80.347031

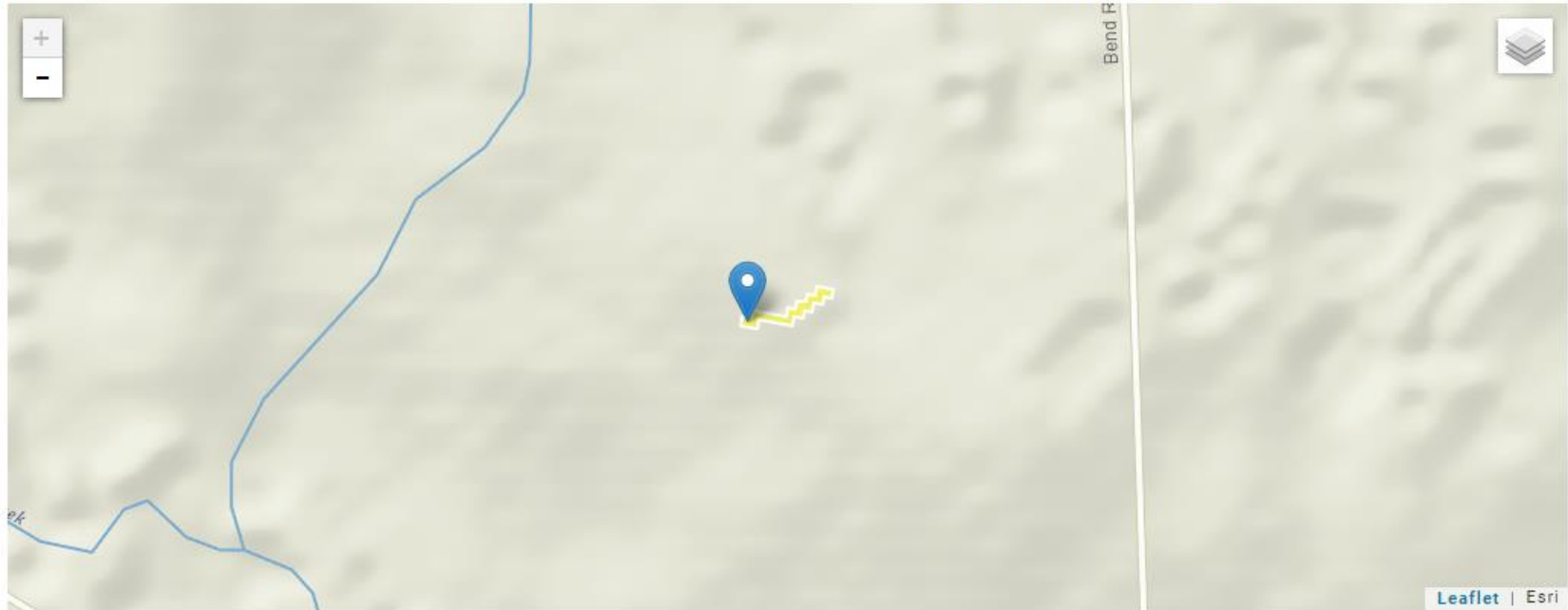
0 0.1 0.2mi

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: PA  
Workspace ID: PA20230419172849303000  
Clicked Point (Latitude, Longitude): 41.14774, -80.34704  
Time: 2023-04-19 13:29:12 -0400



Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.000579	square miles