

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0271586
APS ID 1080570
Authorization ID 1426373

Applicant, Facility and Project Information

Applicant Name	<u>William Waugaman</u>	Facility Name	<u>William Waugaman SRSTP</u>
Applicant Address	<u>133 Buckwalter Road</u> <u>New Wilmington, PA 16142-2113</u>	Facility Address	<u>133 Buckwalter Road</u> <u>New Wilmington, PA 16142</u>
Applicant Contact	<u>Williams Waugaman</u>	Facility Contact	<u></u>
Applicant Phone	<u>(330) 219-5029</u>	Facility Phone	<u></u>
Client ID	<u>343803</u>	Site ID	<u>499657</u>
SIC Code	<u>8800</u>	Municipality	<u>Shenango Township</u>
SIC Description	<u>Private Households</u>	County	<u>Mercer</u>
Date Application Received	<u>February 8, 2023</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>February 14, 2023</u>	WQM App. No.	<u>4318407</u>
Project Description	<u>Renewal NPDES Permit for a Single Residence Sewage Treatment Plant</u>		

Summary of Review

Renewal Permit for a SRSTP consisting of: A Norweco Singulair Model 960-500 aerobic unit consisting of a pretreatment chamber, an aeration chamber, and a final clarification chamber, a Norweco Hydro-Kinetic Biofilm Reactor unit, tablet chlorination, a chlorine contact tank, and an effluent lift tank all in series pumped to the point of discharge (storm sewer conveyance system located in an easement on an adjacent property).

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 (343803) as of February 14, 2023 [4/5/2023 CWY](#)

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	February 14, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	4/5/2023

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° 9' 55"</u>	Longitude	<u>-80° 24' 28"</u>
Quad Name	<u>Sharon East</u>	Quad Code	<u>41080B4</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Shenango River (WWF)</u>	Stream Code	<u>35924</u>
NHD Com ID	<u>130033515</u>	RMI	<u>1.6600</u>
Drainage Area	<u>0.12</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.012</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1158</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>20-A</u>	Chapter 93 Class.	<u>WWF</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>HABITAT ALTERATIONS, SILTATION</u>		
Source(s) of Impairment	<u>SOURCE UNKNOWN, URBAN RUNOFF/STORM SEWERS</u>		
TMDL Status	<u>---</u>	Name	<u>---</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7</u>	Default	
Temperature (°F)	<u>24</u>	Default	
Hardness (mg/L)	<u>100</u>	Default	
Other:	<u></u>		
Nearest Downstream Public Water Supply Intake	<u>Pennsylvania American Water Company - New Castle</u>		
PWS Waters	<u>Shenango River</u>	Flow at Intake (cfs)	<u>100</u>
PWS RMI	<u>5.1</u>	Distance from Outfall (mi)	<u>15 (Approximately)</u>

Changes Since Last Permit Issuance: None.

Other Comments: AMRs have been submitted.

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	Upon Request	Grab
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	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

The screenshot shows the Pennsylvania eMapPA interface. The top banner includes the Pennsylvania Department of Environmental Protection logo and the text "eMapPA". Below the banner are navigation tabs for "Layers", "Legend", and "Tasks". The main map area displays aerial imagery with several stream segments overlaid in different colors: purple, cyan, and yellow. A popup window titled "Designated Use Streams (1 of 3)" is open, showing the following details:

- Designated Use Gen ID: 66428
- GNIS Name:
- GNIS ID:
- ReachCode: 05030102001144
- COMID: 130033515
- Length Miles: 1.896
- Map Symbology: WWF
- Length Miles: 1.896
- Designated Use: 12
- DES Use ID: 8
- Use Description: WWF(WARM WATER FISHES)
- Migratory_Fish: N
- HUC: 05030102
- Basin: N
- Basin Narrative: Null
- Segment Narrative: Null
- Evaluation Date: Null
- Zoom to

On the left side, there is a legend titled "Legend" with sections for "Regulated Facilities and Related Information", "Streams and Water Resources", "Water Quality", "Designated Use Streams", and "Boundaries". The "Water Quality" section lists categories like "Cold Water Fish", "Exceptional Value", "High Quality", "Trout Stocking", and "Warm Water Fish". The "Designated Use Streams" section lists "Cold Water Fish", "Exceptional Value", "High Quality", "Trout Stocking", "Warm Water Fish", "Overlap", and "Missing from CH93".

At the bottom of the map, there is a scale bar showing 0, 0.1, and 0.2 miles. The bottom right corner features the Esri logo and the text "POWERED BY esri".

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID: PA
Workspace ID: PA20230214151553094000
Clicked Point (Latitude, Longitude): 41.16524, -80.40779
Time: 2023-02-14 10:16:16 -0500



➕ Collapse All

➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.12	square miles