

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0220787
APS ID 1104458
Authorization ID 1468630

Applicant, Facility and Project Information

Applicant Name	<u>Patrick G & V Kaye Williams</u>	Facility Name	<u>Patrick G & V Kaye Williams SFTF</u>
Applicant Address	<u>390 Osborn Road</u> <u>Greenville, PA 16125-3332</u>	Facility Address	<u>390 Osborn Road</u> <u>Greenville, PA 16125-3332</u>
Applicant Contact	<u>Patrick Williams</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 253-2566</u>	Facility Phone	<u></u>
Applicant Email	<u>vkwillams38@gmail.com</u>		
Client ID	<u>72778</u>	Site ID	<u>249890</u>
SIC Code	<u>4952,8800</u>	Municipality	<u>Salem Township</u>
SIC Description	<u>Private Households, Trans. & Utilities - Sewerage Systems</u>	County	<u>Mercer</u>
Date Application Received	<u>January 2, 2024</u>	WQM Required	<u>No – Issued Previously</u>
Date Application Accepted	<u>February 6, 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: (2) 900-gallon septic tanks (in series), subsurface flow two cell 21.5-square foot, 43-square foot total area artificial wetland and a 200-gallon chlorine 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 (72778) as of March 26, 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	March 26, 2024
		Vacant / Environmental Engineer Manager	Okay to Draft JCD 4/15/2024

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>.00035</u>
Latitude	<u>41° 27' 42.63"</u>	Longitude	<u>-80° 16' 23.87"</u>
Quad Name	<u>Greenville East</u>	Quad Code	<u>41080D3</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Sandy Creek (WWF)</u>	Stream Code	<u>58674</u>
NHD Com ID	<u>100476785</u>	RMI	<u>1.4500</u>
Drainage Area	<u>0.39</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.039</u>	Q ₇₋₁₀ Basis	<u>Sugar Creek</u>
Elevation (ft)	<u>1306</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>16-G</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>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>7.0</u>	Default	<u>---</u>
Temperature (°F)	<u>77</u>	Default	<u>---</u>
Hardness (mg/L)	<u>100</u>	Default	<u>---</u>
Other:	<u>---</u>		<u>---</u>
Nearest Downstream Public Water Supply Intake	<u>Aqua Pennsylvania, Inc. - Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1376</u>
PWS RMI	<u>90.57</u>	Distance from Outfall (mi)	<u>---</u>

Changes Since Last Permit Issuance: None.

Other Comments: None.

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
CBOD5	XXX	XXX	XXX	25.0	XXX	50	1/year	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	1000	1/year	Grab

Compliance Sampling Location: Outfall 001, after disinfection.

Other Comments: Secondary treatment requirements will continue to be implemented as part of this renewal based on the facility not being able to achieve the small flow advanced treatment effluent requirements.

Outfall Location - eMap with Aerial Imagery

The screenshot shows the Pennsylvania eMapPA web application interface. The top banner includes the Pennsylvania Department of Environmental Protection logo and navigation links for PA State Agencies, Online Services, and state officials. The main map area displays aerial imagery with overlaid stream data. A legend on the left side categorizes streams into 'Regulated Facilities and Related Information', 'Streams and Water Resources', and 'Boundaries'. A pop-up window titled 'Designated Use Streams (1 of 4)' provides the following details for a selected stream:

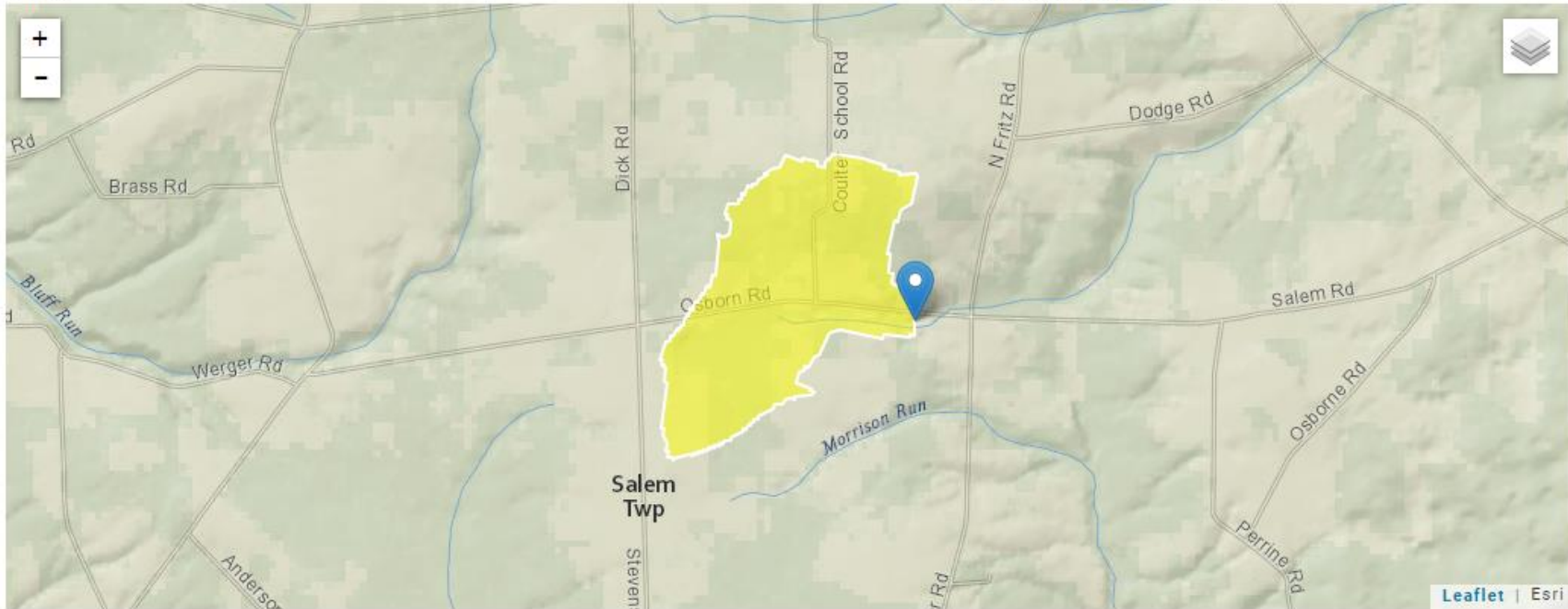
Designated Use Gen ID: 16400	
GNIS Name:	
GNIS ID:	
ReachCode: 05010003003196	
COMID: 100476785	
Length Miles: 1.89	
Map Symbology: WWF	
Length Miles: 1.89	
Designated Use: 12	
DES Use ID: 8	
Use Description: WWF(WARM WATER FISHES)	
Migratory_Fish: N	
HUC: 05010003	
Basin: N	
Basin Narrative: Null	
Segment Narrative: Null	
Evaluation Date: Null	
Zoom to	

At the bottom of the map, there is a scale bar (0 to 0.4 miles) and a copyright notice: '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: PA20240207141844342000
Clicked Point (Latitude, Longitude): 41.46186, -80.27332
Time: 2024-02-07 09:19:06 -0500



+ Collapse All

➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.39	square miles