



Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0210501  
APS ID 1118058  
Authorization ID 1492718

**Applicant, Facility and Project Information**

Applicant Name	<u>Earl G Willey</u>	Facility Name	<u>Earl G Willey SFTF</u>
Applicant Address	3974 Longview Road	Facility Address	3974 Longview Road
Applicant Contact	West Middlesex, PA 16159-2912	Facility Contact	West Middlesex, PA 16159-2912
Applicant Phone	<u>(724) 977-2817</u>	Facility Phone	
Client ID	<u>63555</u>	Site ID	<u>466471</u>
SIC Code	<u>4952,8811</u>	Municipality	<u>Shenango Township</u>
SIC Description	Services - Private Households,Trans. & Utilities - Sewerage Systems	County	<u>Mercer</u>
Date Application Received	<u>July 1, 2024</u>	WQM Required	
Date Application Accepted		WQM App. No.	
Project Description	<u>Single Residence Sewage Treatment Plant (SRSTP).</u>		

**Summary of Review**

This is an existing discharge for a residence.

Act 14 – Proof of Notification was submitted and received.

Proposed treatment will consist of: an NSF certified small flow aerobic treatment system consisting of a septic tank pretreatment unit, aerated septic tank (Jet Model J-560-S 1200 gallon), up flow filter (Jet Model J-153), and Jet Chlor Model 108 195-gallon chlorination unit.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (63555) as of 3/20/2025.

**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		Jordan A. Frey, E.I.T. Jordan A. Frey, E.I.T. / Project Manager	March 20, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	April 4, 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	41° 11' 10.10"	Longitude	-80° 26' 13.39"
Quad Name	Sharon East	Quad Code	41080B4
Wastewater Description:	Sewage Effluent		
Receiving Waters	Hogback Run (WWF)	Stream Code	35929
NHD Com ID	130033631	RMI	0.2300
Drainage Area	6.51	Yield (cfs/mi <sup>2</sup> )	35929
Q <sub>7-10</sub> Flow (cfs)	0.065	Q <sub>7-10</sub> Basis	Default
Elevation (ft)	868	Slope (ft/ft)	---
Watershed No.	20-A	Chapter 93 Class.	WWF
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)	20	Default	
Hardness (mg/L)	100	Default	
Other:			
Nearest Downstream Public Water Supply Intake		PA American Water – New Castle	
PWS Waters	Shenango River	Flow at Intake (cfs)	100
PWS RMI	5.02	Distance from Outfall (mi)	19

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.

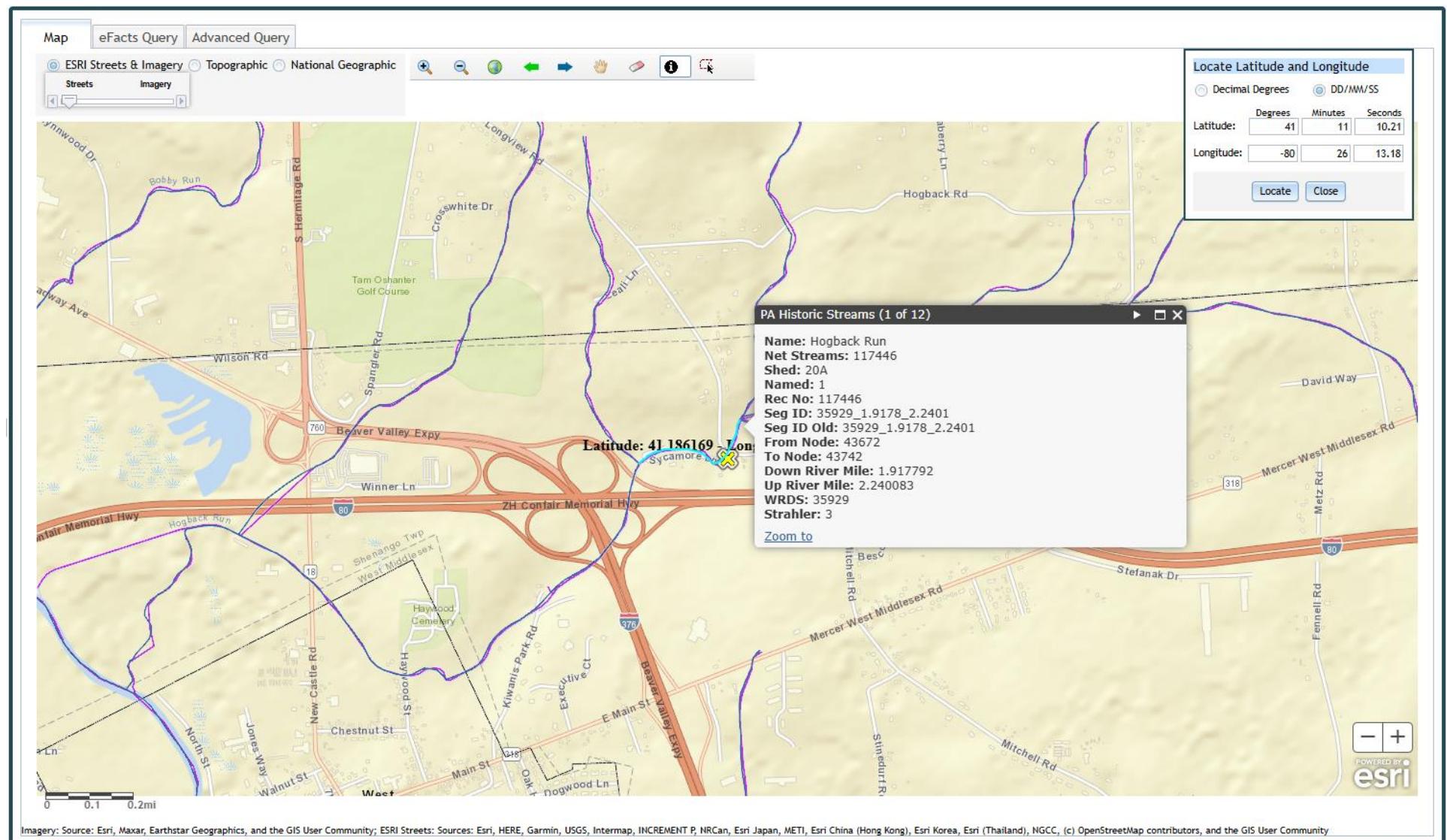
**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <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 (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	XXX	1/year
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	50.0	1/year	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60.0	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: Flow is monitor only based on Chapter 92a.61. The limits for BOD5 and Total Suspended Solids are BPJ limits based on the Small Flow Treatment Facilities Manual. Fecal Coliform is technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

Attachment 1  
eMap – Location Map



Attachment 2  
Google Earth Imagery

