

Application Type New
 Wastewater Type Sewage
 Facility Type SRSTP

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

Application No. PA0296082
 APS ID 1128347
 Authorization ID 1511326

Applicant, Facility and Project Information

Applicant Name	<u>Sharon Mcconnell</u>	Facility Name	<u>Sharon Mcconnell SRSTP</u>
Applicant Address	<u>7450 Hathaway Drive</u>	Facility Address	<u>10763 Cross Station Road</u>
	<u>Fairview, PA 16415-1406</u>		<u>Girard, PA 16417-9167</u>
Applicant Contact	<u>Sharon Mcconnell</u>	Facility Contact	
Applicant Phone	<u>(814) 460-2108</u>	Facility Phone	
Applicant Email	<u>sj43mc@msn.com</u>		
Client ID	<u>390078</u>	Site ID	<u>874116</u>
SIC Code	<u>8800</u>	Municipality	<u>Girard Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie</u>
Date Application Received	<u>January 3, 2025</u>	WQM Required	<u>Yes – Application Received</u>
Date Application Accepted	<u>January 15, 2025</u>	WQM App. No.	<u>2525401</u>
Project Description	<u>Installation of a new Single Residence Sewage Treatment Plant</u>		

Summary of Review

This is a new discharge for an existing 4 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 500 GPD.

Proposed treatment will consist of (WQM Permit No. 2525401): A Norweco Singulair Bio-Kinetic Model 960-500 treatment tank which has a total capacity of 1300 gallons and is rated for 500 gpd, followed by Norweco Singulair Hydro-Kinetic Bio-Film Reactor (HKBFR), a Model AT 1500 UV disinfection unit and outfall pipe. The effluent is discharged to UNT to Crooked Creek (HQ-CWF, MF), at a rate of 500 GPD.

Act 14 – Proof of Notification was submitted and received.

Act 537 Sewage Facilities Planning Module Component 3s was approved by the department on September 23, 2024.

SPECIAL CONDITIONS: NONE

The EPA waiver is in effect.

There are NO open violations in WMS for the subject Client ID (390078) as of January 15, 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 / Civil Engineer	January 15, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	January 16, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0005
Latitude	41° 58' 12.0"	Longitude	-80° 21' 37.9"
Quad Name	Albion	Quad Code	41080H3
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to Crooked Creek (HQ-CWF, MF)	Stream Code	62660
NHD Com ID	123919736	RMI	1.17
Drainage Area	---	Yield (cfs/mi ²)	---
Q ₇₋₁₀ Flow (cfs)	0	Q ₇₋₁₀ Basis	Dry Ditch
Elevation (ft)	813	Slope (ft/ft)	---
Watershed No.	15-A	Chapter 93 Class.	HQ-CWF, MF
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		PA – Canadian International Boundary in Lake Erie	
PWS Waters	Lake Erie	Flow at Intake (cfs)	---
PWS RMI	---	Distance from Outfall (mi)	---

Changes Since Last Permit Issuance: N/A -This is a proposed discharge (Planning was approved on September 23, 2024).

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 – Receiving Stream - eMap with Aerial Imagery

 **eMapPA**

PA STATE AGENCIES ONLINE SERVICES Josh Shapiro, Governor Jessica Shirley, Acting Secretary DEP Home

Layers **Legend** **Tasks** **Themes** **Links**

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

Map **eFacts Query** **Advanced Query** **Filter Plant Source Search**

Streets **Imagery**

Locate Latitude and Longitude

Decimal Degrees DD/MM/SS

Latitude: 41 58 12
Longitude: -80 21 37.9

Locate Close

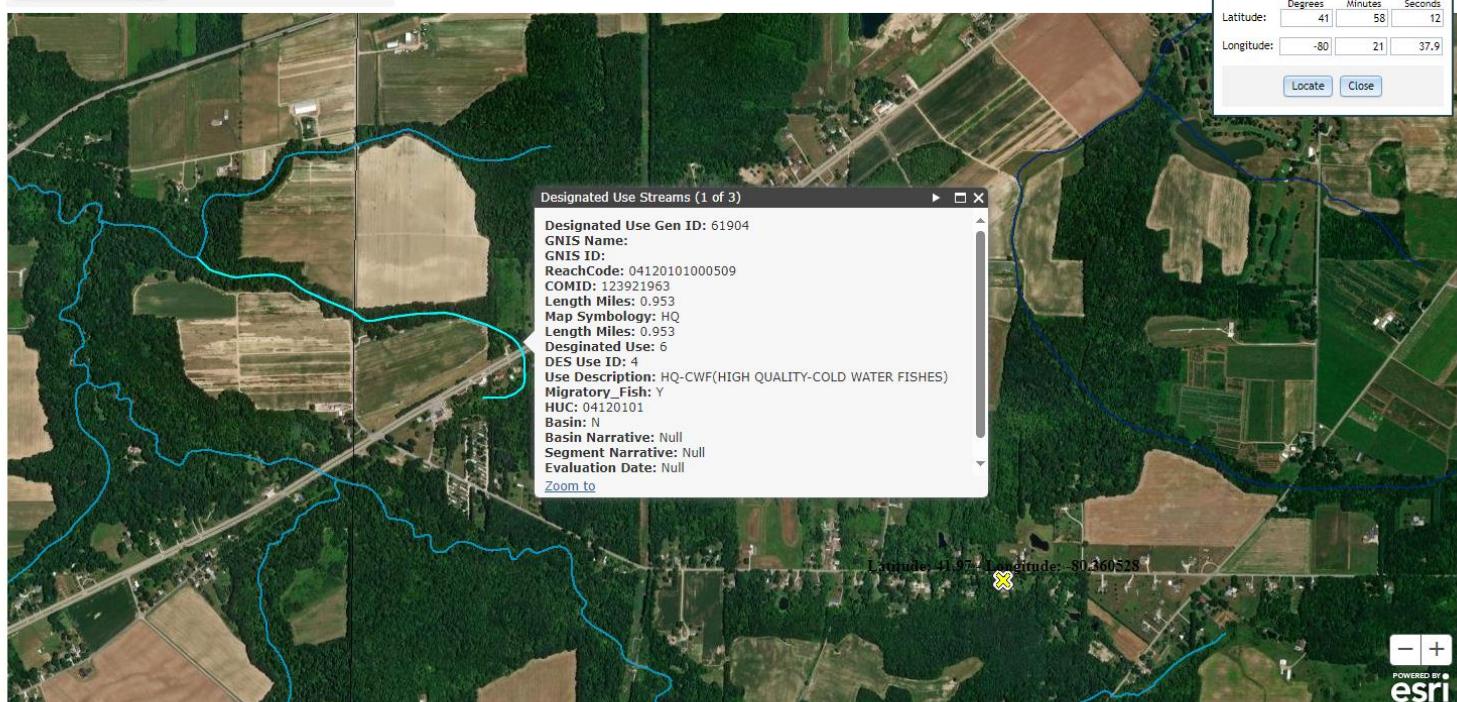
Designated Use Streams (1 of 3)

Designated Use Gen ID: 61904
GNIS Name:
ReachCode: 04120101000509
COMID: 123921963
Length Miles: 0.953
Map Symbology: HQ
Length Miles: 0.953
Designated Use: 6
DES Use ID: 4
Use Description: HQ-CWF(HIGH QUALITY-COLD WATER FISHES)
Migratory_Fish: Y
HUC: 04120101
Basin: N
Basin Narrative: Null
Segment Narrative: Null
Evaluation Date: Null

Zoom to

Latitude: 41.972 Longitude: -80.360528

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:

PA20250115184411852000

Clicked Point (Latitude, Longitude):

41.97001, -80.36054

NHD Stream GNIS Name of Click Point: 

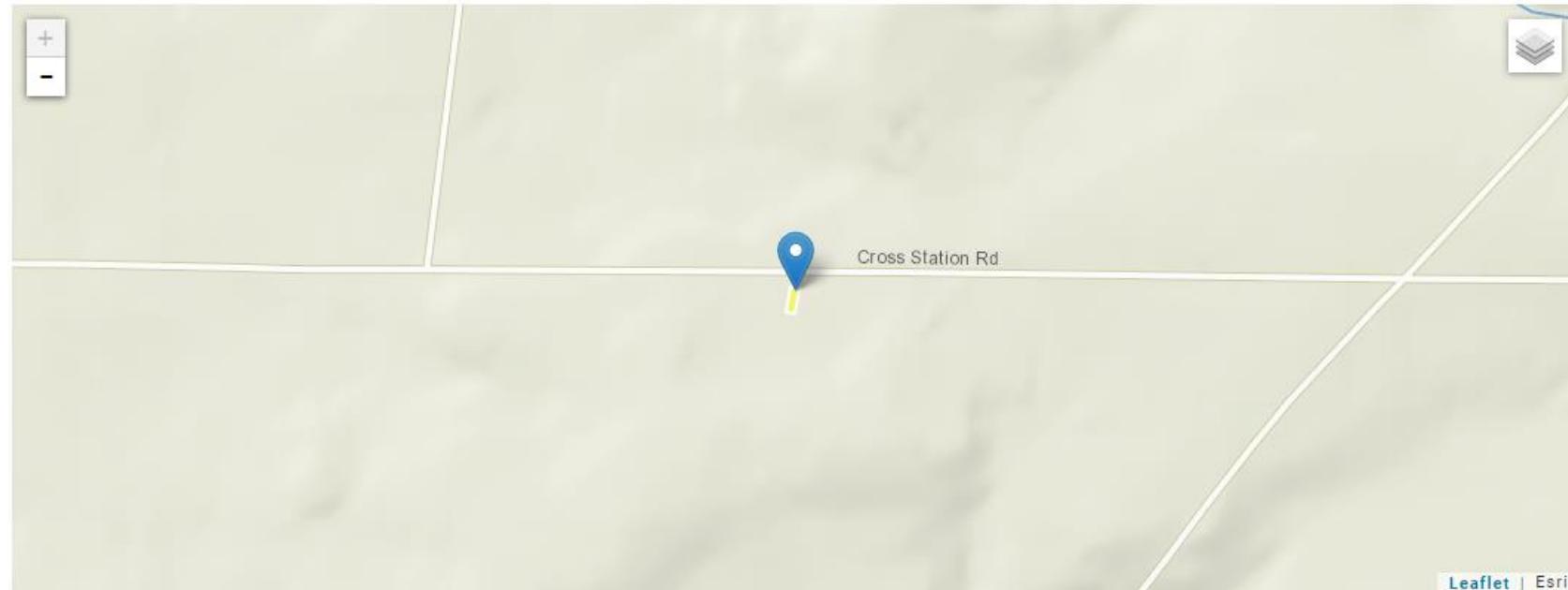
Stream name not found

HUC 8 of Clicked Point:

04120101 (Chautauqua-Conneaut)

Time:

2025-01-15 13:44:42 -0500



 Collapse All

➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.000116	square miles