

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0293172
APS ID 1087226
Authorization ID 1437264

Applicant, Facility and Project Information

Applicant Name	<u>Eric & Stephanie Warren</u>	Facility Name	<u>Eric & Stephanie Warren SRSTP</u>
Applicant Address	<u>18793 Cole Road</u> <u>Conneautville, PA 16406-4027</u>	Facility Address	<u>18793 Cole Road</u> <u>Conneautville, PA 16406-4027</u>
Applicant Contact	<u>Eric Warren</u>	Facility Contact	<u></u>
Applicant Phone	<u>(717) 372-1643</u>	Facility Phone	<u></u>
Client ID	<u>376914</u>	Site ID	<u>860501</u>
SIC Code	<u>8800</u>	Municipality	<u>Conneaut Township</u>
SIC Description	<u>Private Households</u>	County	<u>Crawford</u>
Date Application Received	<u>April 13, 2023</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>2023401</u>
Project Description	<u>Single Residence Sewer Treatment Plant (SRSTP) for an existing dwelling.</u>		

Summary of Review

This is a new discharge for an existing 5-bedroom home to replace an existing malfunctioning on-lot septic system.

Act 14 – Proof of notification was submitted and received.

Treatment process consists of (WQM Permit No. 2023401): An Ecoflo Coco Filter EC7-600-P-P-USA Treatment system, a 1500 gallon, dual-compartment septic tank, an Ecoflo Coco Filter treatment tank, Premier Tech DiUV Disinfection Unit, and outfall pipe. Proposed design flow is .0006 MGD.

EPA Waiver is in effect.

There are no open violations in WMS for subject Client ID (376914) as of 4/27/2023. [4/28/2023 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		Dustin Hargenrater Dustin Hargenrater / Civil Engineer Trainee	April 27, 2023
X		Chad W. Yurismic Chad W. Yurismic, P.E. / Environmental Engineer Manager	4/28/2023

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>.0006</u>
Latitude	<u>41° 43' 32.7"</u>	Longitude	<u>-80° 24' 39"</u>
Quad Name	<u>Linesville</u>	Quad Code	<u>41080F4</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Linesville Creek (WWF)</u>	Stream Code	<u>36488</u>
NHD Com ID	<u>130030854</u>	RMI	<u>1.1300</u>
Drainage Area	<u>.000193</u>	Yield (cfs/mi ²)	<u>.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>.0000193</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1150</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>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>	Default	<u></u>
Temperature (°F)	<u>25</u>	Default - WWF	<u></u>
Hardness (mg/L)	<u>100</u>	Default	<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Tuttle Point Pymatuning</u>		
PWS Waters	<u>Pymatuning Lake</u>	Flow at Intake (cfs)	<u>--</u>
PWS RMI	<u>--</u>	Distance from Outfall (mi)	<u>12.7</u>

Changes Since Last Permit Issuance: N/A – This is a proposed discharge (Planning was approved 01/05/2023)

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 use of a Coco filter.

The [Premier Tech EC7-600-P-P-USA](#) Coco filter is reportedly capable of meeting BOD5 averages of 10 mg/l and TSS averages of 10 mg/l.

In accordance with the SOP no water 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	Upon Request	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, and Fecal Coliform are technology-based on Chapter 92a 47. The limits for pH are technology-based on Chapter 93 7.

Attachment 1
eMap – Location Map

The screenshot displays an ESRI eMap interface. At the top left, there are map style options: 'ESRI Streets & Imagery' (selected), 'Topographic', and 'National Geographic'. Below these are 'Streets' and 'Imagery' sub-options. A toolbar with navigation icons is located at the top center. On the right side, a 'Locate Latitude and Longitude' dialog box is open, showing 'DD/MM/SS' as the selected format. The input fields are: Latitude: Degrees 41, Minutes 43, Seconds 32.7; Longitude: Degrees -80, Minutes 24, Seconds 39. 'Locate' and 'Close' buttons are at the bottom of the dialog. The main map area shows a topographic view with a yellow 'X' marker. A popup window titled 'PA Historic Streams (1 of 7)' is centered over the marker, displaying the following data:

Name: Linesville Creek
Net Streams: 116122
Shed: 20A
Named: 1
Rec No: 116122
Seg ID: 36488_5.9917_7.7578
Seg ID Old: 36488_5.9916_7.7576
From Node: 15974
To Node: 17065
Down River Mile: 5.991688
Up River Mile: 7.757777
WRDS: 36488
Strahler: 1

Below the popup is a 'Zoom to' link. The map also features a scale bar (0 to 0.2 miles) at the bottom left and an ESRI logo at the bottom right. The map shows 'Airport Rd' on the left and 'Conneaut Twp' and 'Summerhill Twp' on the right. The coordinates 'Latitude: 41.72575 - Longitude: -80.410833' are displayed above the marker.

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

Attachment 2
Google Earth Imagery

