

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0292788
APS ID 1078288
Authorization ID 1422206

Applicant, Facility and Project Information

Applicant Name	<u>Laura & Stephen Jenks</u>	Facility Name	<u>Laura & Stephen Jenks SRSTP</u>
Applicant Address	<u>9500 Fry Road</u> <u>Mckean, PA 16426-1707</u>	Facility Address	<u>9500 Fry Road</u> <u>Mckean, PA 16426-1707</u>
Applicant Contact	<u>Stephen Jenks</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 572-2255</u>	Facility Phone	<u></u>
Applicant Email	<u>stvjenks85@gmail.com</u>		
Client ID	<u>374439</u>	Site ID	<u>859063</u>
SIC Code	<u>8800</u>	Municipality	<u>McKean Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie</u>
Date Application Received	<u>December 19, 2022</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>January 30, 2023</u>	WQM App. No.	<u>2522443</u>
Project Description	<u>Single Residence Sewage Treatment Plant</u>		

Summary of Review

This is a new discharge for an existing 3 bedrooms dwelling with proposed construction of a single residence sewage treatment plant to replace a malfunctioning on-lot sewage disposal system.

Proposed treatment will consist of (WQM Permit No. 2522443): A 1,000 gallon dual-compartment septic tank, Ecoflo Coco Filter EC7-500-P-P-USA treatment tank, a UV disinfection unit and outfall pipe.

Act 14 – Proof of Notification was submitted and received.
Act 537 Sewage Facilities Planning Module Component 3s was approved October 12, 2022. cwy

SPECIAL CONDITIONS: NONE

The EPA waiver is in effect.

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	January 30, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Program Manager	February 2, 2023

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° 58' 29.8"	Longitude	-80° 9' 52"
Quad Name	Edinboro North	Quad Code	41080H2
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary of Elk Creek (CWF, MF)	Stream Code	62581
NHD Com ID	123922549	RMI	---
Drainage Area	---	Yield (cfs/mi ²)	---
Q ₇₋₁₀ Flow (cfs)	0	Q ₇₋₁₀ Basis	Dry Drainage Channel
Elevation (ft)	1250 ft	Slope (ft/ft)	---
Watershed No.	15-A	Chapter 93 Class.	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	Default	
Temperature (°F)	20	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 October 12, 2022)

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 Ecoflo Coco Filter EC7-500-P-P-USA treatment tank.

The EC7-500-P-P-USA Ecoflo Coco Filter 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 a 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 Inst Min	XXX	XXX	9	Upon Request	Grab
BOD5	XXX	XXX	XXX	10	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10	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 UV 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





PA STATE AGENCIES
ONLINE SERVICES
Josh Shapiro, Governor
Rich Negrin, Acting Secretary
DEP Home

Legend

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

Map
eFacts Query
Advanced Query
Filter Plant Source Search

ESRI Streets & Imagery
 Topographic
 National Geographic

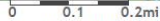
Streets
Imagery




Designated Use Streams (1 of 3)

Designated Use Gen ID: 81280
GNIS Name:
GNIS ID:
ReachCode: 04120101000256
COMID: 123926046
Length Miles: 1.461
Map Symbology: CWF
Length Miles: 1.461
Designated Use: 2
DES Use ID: 1
Use Description: CWF(COLD WATER FISHES)
Migratory_Fish: Y
HUC: 04120101
Basin: N
Basin Narrative: Null
Segment Narrative: Null
Evaluation Date: Null
Last Fdrit Date: Null
[Zoom to](#)

Latitude: 41.974944
Longitude: -80.164444





Locate Latitude and Longitude

Decimal Degrees DD/MM/SS

Latitude:	Degrees	Minutes	Seconds
	41	58	29.8
Longitude:	-80	9	52

Locate
Close

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:

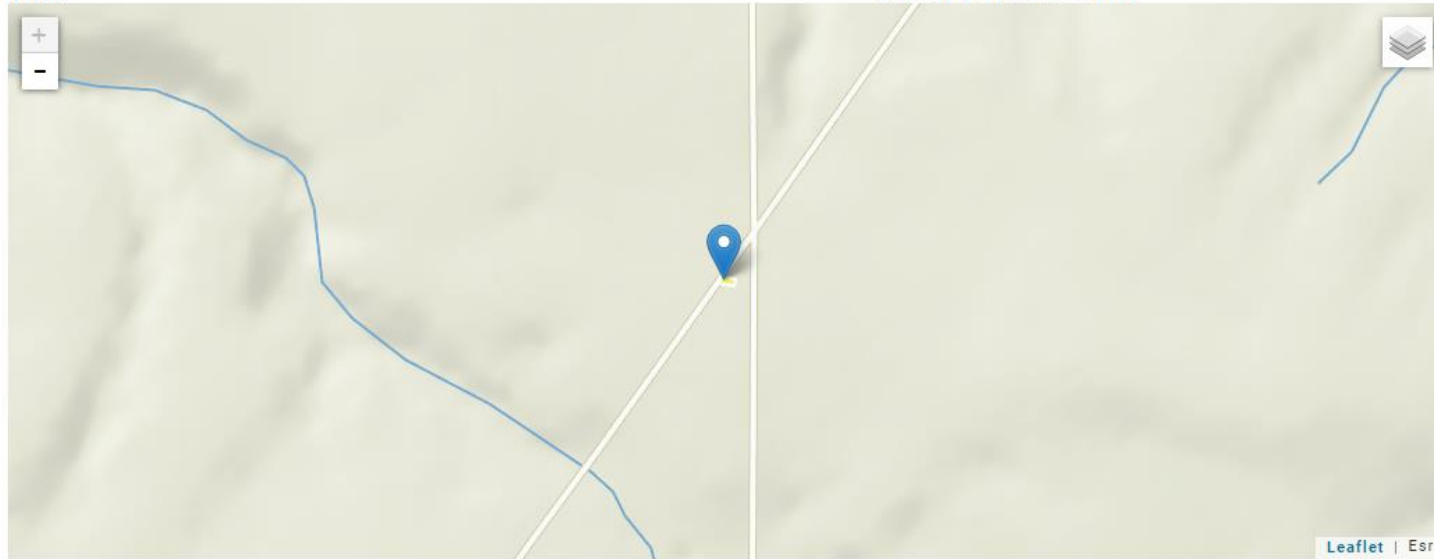
PA20230126160614677000

Clicked Point (Latitude, Longitude):

41.97494, -80.16443

Time:

2023-01-26 11:06:58 -0500



+ Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0000772	square miles