

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0293016
APS ID 1083957
Authorization ID 1431841

Applicant, Facility and Project Information

Applicant Name	<u>Carolyn & Lawrence Lafata</u>	Facility Name	<u>Carolyn & Lawrence Lafata SRSTP</u>
Applicant Address	<u>4484 E Stancliff Road</u> <u>McKean, PA 16426-1937</u>	Facility Address	<u>4484 E Stancliff Road</u> <u>McKean, PA 16426-1937</u>
Applicant Contact	<u>Lawrence Lafata</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 476-1613</u>	Facility Phone	<u></u>
Applicant Email	<u>carolyn1224@aol.com</u>		<u></u>
Client ID	<u>376185</u>	Site ID	<u>860376</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>March 3, 2023</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>March 31, 2023</u>	WQM App. No.	<u>2523408</u>
Project Description	<u>Installation of Single Residence Sewage Treatment Plant</u>		

Summary of Review

This is a new discharge for an existing 3-bedroom 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. 2523408): A 1,000 gallon dual-compartment septic tank, an Ecoflo Coco Filter Model EC7-500-P-GDV-USA with UV disinfection unit and outfall pipe.

Act 14 – Proof of Notification was submitted and received.
There are no open violations listed in WMS for Client ID 376185 as of 4/5/2023 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	March 31, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	4/5/2023

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° 57' 42.1"	Longitude	-80° 7' 32.8"
Quad Name	Edinboro North	Quad Code	41080H2
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary to Lamson Run (CWF, MF)	Stream Code	62600
NHD Com ID	123926064	RMI	0.28
Drainage Area	0.0375	Yield (cfs/mi ²)	0.1
Q ₇₋₁₀ Flow (cfs)	0.00375	Q ₇₋₁₀ Basis	Default
Elevation (ft)	1362	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 December 14, 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 Unit Model EC7-500-P-GDV-USA

The EC7-500-P-GDV-USA Ecoflo Coco filter unit 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	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
BOD5	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 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

The screenshot displays the Pennsylvania eMapPA web application. At the top, the Pennsylvania Department of Environmental Protection logo is on the left, and navigation links for PA State Agencies, Online Services, and state officials are on the right. The main interface includes a legend on the left, a map area in the center, and a data popup on the right. The legend is organized into sections: Regulated Facilities and Related Information, Streams and Water Resources, Water Quality, Existing Use Streams, Designated Use Streams, and Boundaries. The map shows aerial imagery with stream features highlighted in cyan. A data popup for a 'Designated Use Stream' is open, displaying various attributes. A 'Locate Latitude and Longitude' window is also visible, showing coordinates in DD/MM/SS format.

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
- Boundaries
 - County Boundaries
 - Municipalities

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: 34204
- GNIS Name:
- GNIS ID:
- ReachCode: 04120101000457
- COMID: 123926064
- Length Miles: 1.202
- Map Symboology: CWF
- Length Miles: 1.202
- 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 Fdit Date: Null
- [Zoom to](#)

Locate Latitude and Longitude

Decimal Degrees DD/MM/SS

Latitude: Degrees: 41 Minutes: 57 Seconds: 42.1

Longitude: -80 7 32.8

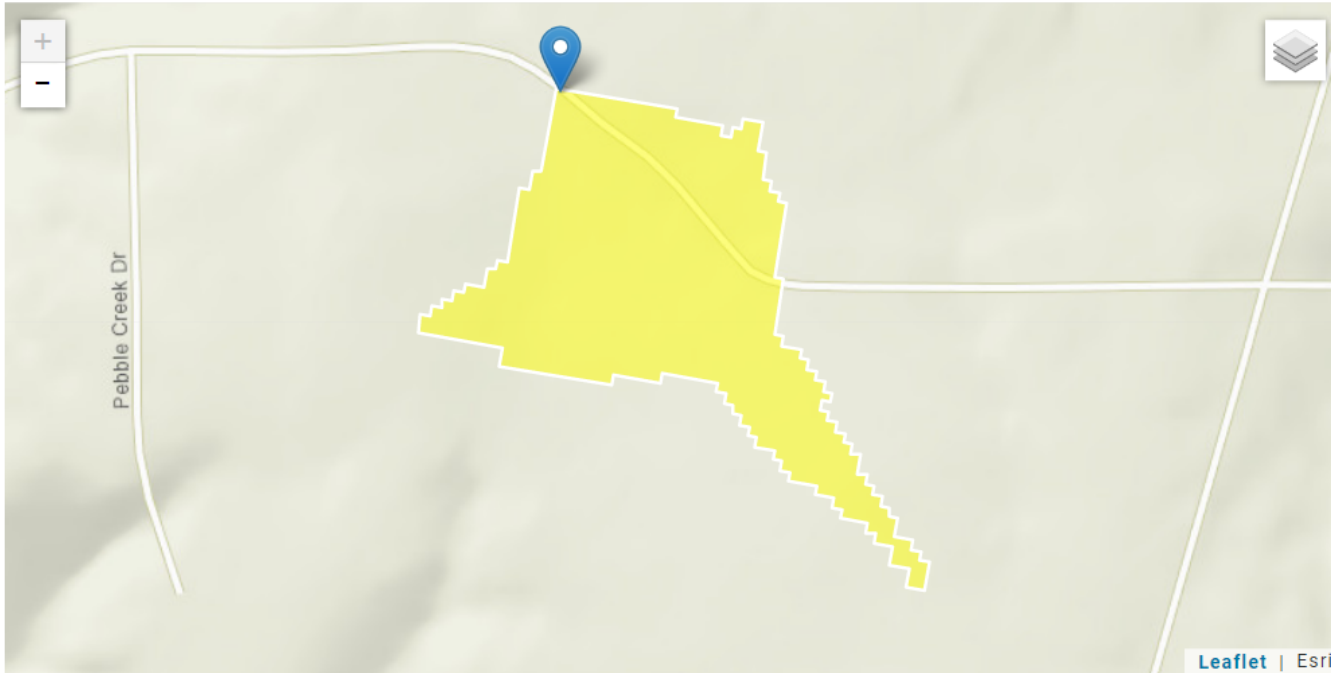
Locate Close

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: PA20230331175852370000
Clicked Point (Latitude, Longitude): 41.96168, -80.12574
Time: 2023-03-31 13:59:14 -0400



Collapse All

➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0375	square miles