

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0292907
APS ID 1080511
Authorization ID 1426279

Applicant, Facility and Project Information

Applicant Name	<u>Richard Hunter</u>	Facility Name	<u>Richard Hunter SRSTP</u>
Applicant Address	<u>7269 Sterrettania Road</u> <u>Fairview, PA 16415-2812</u>	Facility Address	<u>7269 Sterrettania Road</u> <u>Fairview, PA 16415-2812</u>
Applicant Contact	<u>Richard Hunter</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 840-4370</u>	Facility Phone	<u></u>
Applicant Email	<u>hunterfarms@yahoo.com</u>		
Client ID	<u>375126</u>	Site ID	<u>859546</u>
SIC Code	<u>8800</u>	Municipality	<u>Fairview Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie</u>
Date Application Received	<u>February 6, 2023</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>February 16, 2023</u>	WQM App. No.	<u>2523403</u>
Project Description	<u>Installation of Single Residence Sewage Treatment Plant</u>		

Summary of Review

This is a new discharge for an existing 4 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. 2523403): A 1,250 gallon dual-compartment septic tank, an Ecoflo Coco Filter Model EC7-500-P-P-USA with integrated UV disinfection unit and discharge pump.

Act 14 – Proof of Notification was submitted and received.

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	February 16, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	February 21, 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>.0005</u>
Latitude	<u>41° 59' 53.6"</u>	Longitude	<u>-80° 13' 25"</u>
Quad Name	<u>Edinboro North</u>	Quad Code	<u>41080H2</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Elk Creek (CWF, MF)</u>	Stream Code	<u>62571</u>
NHD Com ID	<u>123922478</u>	RMI	<u>0.3700</u>
Drainage Area	<u>---</u>	Yield (cfs/mi ²)	<u>---</u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>---</u>
Elevation (ft)	<u>951</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>15-A</u>	Chapter 93 Class.	<u>CWF, MF</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>	<u>Default</u>	
Temperature (°F)	<u>20</u>	<u>Default</u>	
Hardness (mg/L)	<u>100</u>	<u>Default</u>	
Other:	<u></u>	<u></u>	
Nearest Downstream Public Water Supply Intake	<u>PA – Canadian International Boundary in Lake Erie</u>		
PWS Waters	<u>Lake Erie</u>	Flow at Intake (cfs)	<u>---</u>
PWS RMI	<u>---</u>	Distance from Outfall (mi)	<u>---</u>

Changes Since Last Permit Issuance: N/A - This is a proposed discharge (Planning was approved on November 4, 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-P-USA

The EC7-500-P-P-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 Inst Min	XXX	XXX	9	Upon Request	Grab
BOD5	XXX	XXX	XXX	10	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 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 interface. 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 map area shows an aerial view with a stream highlighted in cyan. A popup window titled "Designated Use Streams (1 of 3)" provides detailed information for a specific stream segment. A yellow 'X' marker is placed on the stream, with its coordinates displayed as Latitude: 41.998222 and Longitude: -80.223111. To the right of the map, a "Locate Latitude and Longitude" panel allows users to input coordinates in either Decimal Degrees or DD/MM/SS format. The left sidebar contains a legend for "Regulated Facilities and Related Information" and "Streams and Water Resources", with sub-sections for "Water Quality" and "Designated Use Streams".

Designated Use Streams (1 of 3)

Designated Use Gen ID: 30119
GNIS Name:
GNIS ID:
ReachCode: 04120101004853
COMID: 123922478
Length Miles: 0.405
Map Symbology: CWF
Length Miles: 0.405
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 Edit Date: Null
[Zoom to](#)

Latitude: 41.998222 Longitude: -80.223111

Locate Latitude and Longitude

Decimal Degrees DD/MM/SS

Latitude: Degrees: 41 Minutes: 59 Seconds: 53.6

Longitude: Degrees: -80 Minutes: 13 Seconds: 25

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:

PA20230216192153613000

Clicked Point (Latitude, Longitude):

41.99822, -80.22361

Time:

2023-02-16 14:22:19 -0500



Collapse All

> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0000386	square miles