

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0292877
APS ID 1079477
Authorization ID 1424367

Applicant, Facility and Project Information

Applicant Name	<u>George A Hayden</u>	Facility Name	<u>George Hayden SRSTP</u>
Applicant Address	<u>1447 Wyman Road</u> <u>Sligo, PA 16255</u>	Facility Address	<u>1447 Wyman Road</u> <u>Sligo, PA 16255</u>
Applicant Contact	<u>George Hayden</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 745-3578</u>	Facility Phone	<u></u>
Applicant Email	<u>hayden2red@yahoo.com</u>		
Client ID	<u>374786</u>	Site ID	<u>861058</u>
SIC Code	<u>8800</u>	Municipality	<u>Piney Township</u>
SIC Description	<u>Private Households</u>	County	<u>Clarion</u>
Date Application Received	<u>January 17, 2023</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>February 1, 2023</u>	WQM App. No.	<u>1623401</u>
Project Description	<u>Installation of Single Residence Sewage Treatment Plant</u>		

Summary of Review

This is a new discharge for a proposed 3 bedrooms residential dwelling with a proposed construction of a single residence sewage treatment plant to serve the proposed dwelling.

Proposed treatment will consist of (WQM Permit No. 1623401): Premier Tech Ecoflo EC7-500-P-P-PACK Coco Filter with an integrated Pump and DiUV unit. The treated effluent will be discharged into Anderson Run.

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 1, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Program 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>.0004</u>
Latitude	<u>41° 8' 11.57"</u>	Longitude	<u>-79° 28' 6.36"</u>
Quad Name	<u>Clarion</u>	Quad Code	<u>41079B4</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Anderson Run (CWF)</u>	Stream Code	<u>49305</u>
NHD Com ID	<u>102671439</u>	RMI	<u>2.87</u>
Drainage Area	<u>0.5</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.05</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1305</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>17-B</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u>---</u>	Existing Use Qualifier	<u>---</u>
Exceptions to Use	<u>---</u>	Exceptions to Criteria	<u>---</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>METALS</u>		
Source(s) of Impairment	<u>ACID MINE DRAINAGE</u>		
TMDL Status	<u>Final</u>	Name	<u>Licking Creek</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7</u>	Default	
Temperature (°F)	<u>25</u>	Default	
Hardness (mg/L)	<u>100</u>	Default	
Other:	<u></u>		
Nearest Downstream Public Water Supply Intake	<u>Pennsylvania American Water Company - Clarion</u>		
PWS Waters	<u>Clarion River</u>	Flow at Intake (cfs)	<u>90.7</u>
PWS RMI	<u>33.3</u>	Distance from Outfall (mi)	<u>25.77 (Approximately)</u>

Changes Since Last Permit Issuance: N/A - This is a proposed discharge (Planning was approved on January 13, 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 Premier Tech Ecoflo EC7-500-P-P-PACK Coco Filter.

The EC7-500-P-P-PACK 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	10.0	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

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

Designated Use Streams (1 of 3)

Designated Use Gen ID: 63185
GNIS Name: Anderson Run
GNIS ID: 01168288
ReachCode: 05010005001172
COMID: 102671439
Length Miles: 0.537
Map Symbology: CWF
Length Miles: 0.537
Designated Use: 1
DES Use ID: 1
Use Description: CWF(COLD WATER FISHES)
Migratory_Fish: N
HUC: 05010005
Basin: N
Basin Narrative: Null
Segment Narrative: Null
Evaluation Date: Null
[Zoom to](#)

Locate Latitude and Longitude

Decimal Degrees DD/MM/SS

Latitude: Degrees: 41 Minutes: 8 Seconds: 11.57
Longitude: Degrees: -79 Minutes: 28 Seconds: 6.36

[Locate](#) [Close](#)

0 150 300ft

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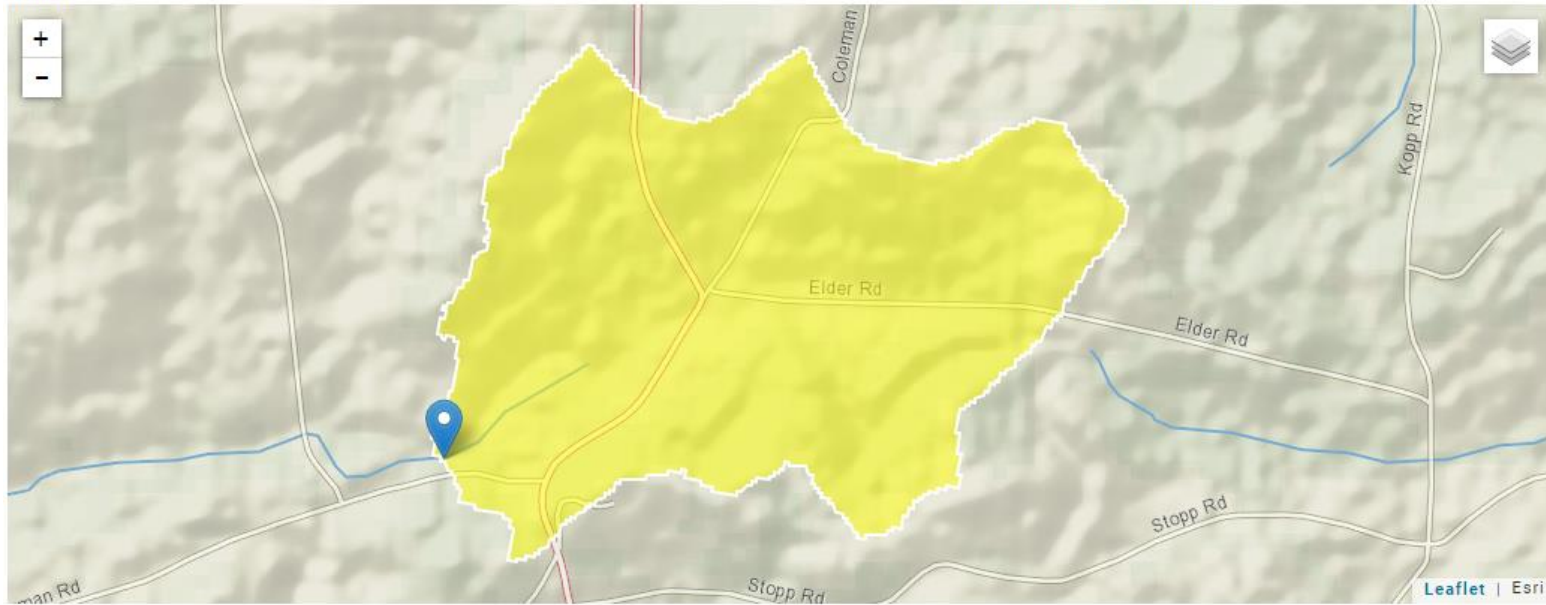
Imagery: undefined; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID:
Workspace ID:
Clicked Point (Latitude, Longitude):
Time:

PA
PA20230201165420417000
41.13652, -79.46857
2023-02-01 11:54:42 -0500



[-] Collapse All

➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.5	square miles