

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0292931
APS ID 1080996
Authorization ID 1427080

Applicant, Facility and Project Information

Applicant Name	<u>Dara & Kyle Bucholtz</u>	Facility Name	<u>Dara & Kyle Bucholtz SRSTP</u>
Applicant Address	<u>10176 Route 98</u> <u>Edinboro, PA 16412-3616</u>	Facility Address	<u>Route 98</u> <u>Edinboro, PA 16412</u>
Applicant Contact	<u>Kyle Bucholtz</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 746-0357</u>	Facility Phone	<u></u>
Applicant Email	<u>bucholtz@mtsd.org</u>		
Client ID	<u>375249</u>	Site ID	<u>858604</u>
SIC Code	<u>8800</u>	Municipality	<u>Franklin Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie</u>
Date Application Received	<u>February 13, 2023</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>February 22, 2023</u>	WQM App. No.	<u>2523405</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 single family residence.

Proposed treatment will consist of (WQM Permit No. 2523405): A 1,000 gallon dual-compartment septic tank, an Ecoflo Coco Filter Model EC7-500-C-GDV-USA with 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 by the Department on September 29, 2023. cwv

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 22, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	March 6, 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° 55' 41.2"</u>	Longitude	<u>-80° 13' 54.3"</u>
Quad Name	<u>Edinboro North</u>	Quad Code	<u>41080H2</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Little Elk Creek (CWF, MF)</u>	Stream Code	<u>62527</u>
NHD Com ID	<u>123922396</u>	RMI	<u>0.3600</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>1205</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>	Default	<u>---</u>
Temperature (°F)	<u>20</u>	Default	<u>---</u>
Hardness (mg/L)	<u>100</u>	Default	<u>---</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 September 29, 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-C-GDV-USA

The EC7-500-C-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 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 shows the Pennsylvania eMapPA interface. The top banner includes the Pennsylvania Department of Environmental Protection logo and navigation links for PA State Agencies, Online Services, and Governor/Secretary information. The main map area displays aerial imagery with blue lines representing designated use streams. A legend on the left side categorizes streams by quality (e.g., Cold Water Fish, Exceptional Value, High Quality, Trout Stocking, Warm Water Fish, Overlap) and boundaries (County, Municipalities). A pop-up window titled "Designated Use Streams (1 of 3)" provides detailed metadata for a selected stream segment.

Designated Use Stream Metadata:

- Designated Use Gen ID: 24458
- GNIS Name:
- GNIS ID:
- ReachCode: 04120101000436
- COMID: 123922396
- Length Miles: 0.747
- Map Symbology: CWF
- Length Miles: 0.747
- 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
- [Zoom to](#)

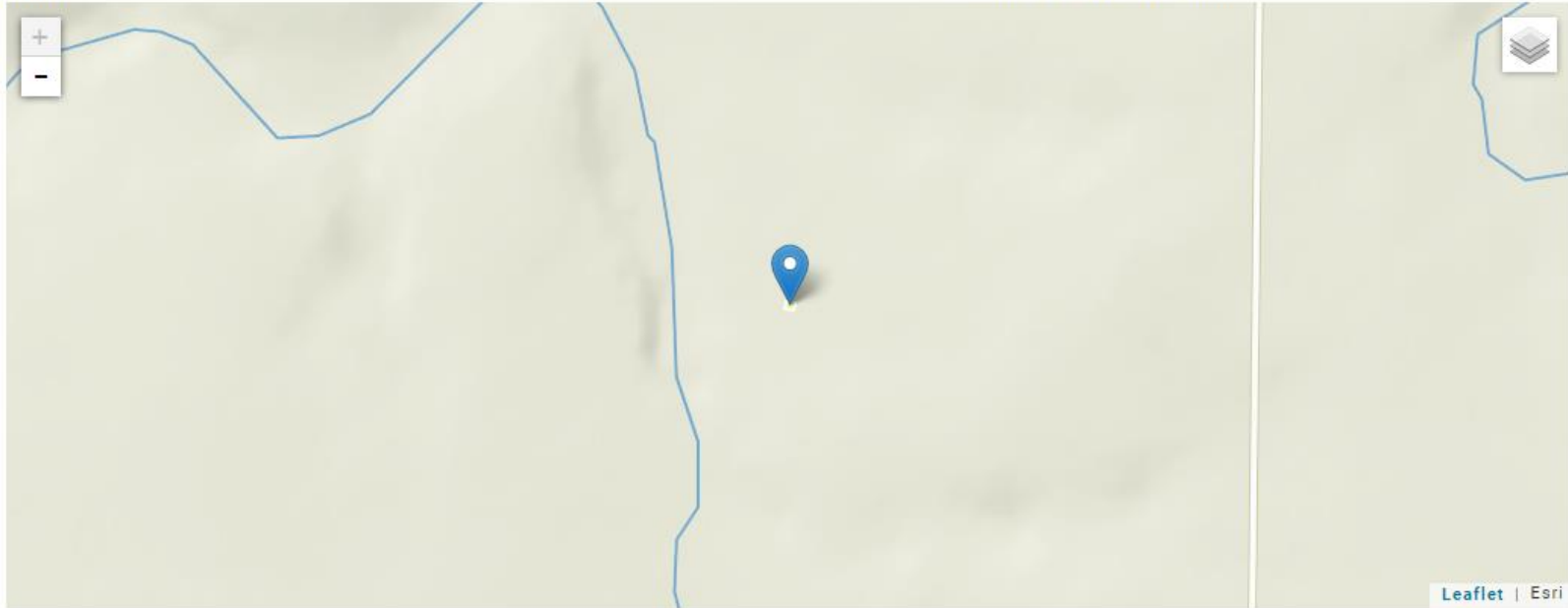
Map Interface Elements:

- Map Style: ESRI Streets & Imagery (selected)
- Map Tools: Zoom, Pan, Home, Full Screen, Print, Measure, Info, Help
- Scale: 0 to 0.2 miles
- Powered by ESRI

Drainage Area Location – StreamStats with Aerial Imagery

StreamStats Report

Region ID: PA
Workspace ID: PA20230222200415913000
Clicked Point (Latitude, Longitude): 41.92822, -80.23176
Time: 2023-02-22 15:04:40 -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