

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0295680
APS ID 1093786
Authorization ID 1472881

Applicant, Facility and Project Information

Applicant Name	<u>Melissa Kaulbach</u>	Facility Name	<u>Melissa Kaulbach SRSTP</u>
Applicant Address	<u>6011 Bridlewood Drive</u> <u>Fairview, PA 16415-2709</u>	Facility Address	<u>6011 Bridlewood Drive</u> <u>Fairview, PA 16415-2709</u>
Applicant Contact	<u>Melissa Kaulbach</u>	Facility Contact	<u></u>
Applicant Phone	<u>(469) 867-6637</u>	Facility Phone	<u></u>
Client ID	<u>378916</u>	Site ID	<u>665640</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>January 22, 2024</u>	WQM Required	<u>Yes – Application Received</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>2524401</u>

Project Description This is an application for an existing Single Residence Sewage Treatment Plant (SRSTP) which will replace the existing PAG-04 permit due to the installed system not being eligible for coverage under the General Permit.

Summary of Review

This is an existing discharge which serves a 3-bedroom home. This facility was previously covered under NPDES Permit No. PAG049240 and WQM Permit No. WQG018451. This facility was updated between 2018 and 2021 to an Ecoflo Coco Filter EC7 treatment system. Notification of the system change was not submitted to the Department; it was found through inspection reports that the inspected system did not match the system that was permitted through the general permits. Ms. Kaulbach was then urged to submit an individual permit application in order to remain in compliance with the NPDES Program.

Act 14 – Notifications were submitted and received.

There are currently no open violations in WMS for the subject Client ID (378916) as of 3/25/24.

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		Dustin Hargenrater Dustin Hargenrater / Civil Engineer Trainee	March 25, 2024
		Vacant / Environmental Engineer Manager	Okay to Draft JCD 4/8/2024

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>42° 1' 51.88"</u>	Longitude	<u>-80° 10' 45.34"</u>
Quad Name	<u>Swanville</u>	Quad Code	<u>42080A2</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Bear Run (CWF, MF)</u>	Stream Code	<u>62439</u>
NHD Com ID	<u>123925662</u>	RMI	<u>2.1200</u>
Drainage Area	<u>0.01</u>	Yield (cfs/mi ²)	<u>0</u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>Dry Stream</u>
Elevation (ft)	<u>928</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>7.0</u>	Default	<u></u>
Temperature (°F)	<u>68</u>	Default	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Lake Erie</u>		
PWS Waters	<u>Lake Erie</u>	Flow at Intake (cfs)	<u>--</u>
PWS RMI	<u>--</u>	Distance from Outfall (mi)	<u>7.16</u>

Changes Since Last Permit Issuance: Changes since the last permit issuance include an update to the system from a subsurface sand filter to a Premier Tech Ecoflo Coco Filter EC7 treatment unit. This new unit will be covered under a new individual WQM Permit as well as the accompanying NPDES Permit.

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 the Premier Tech EC7 unit which is not covered under the General Permit.

In accordance with the SOP, no water quality modeling was performed since this is an SRSTP.

The Coco filter is reportedly capable of meeting TSS averages of 10 mg/L and CBOD5 averages of 10 mg/L.

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.

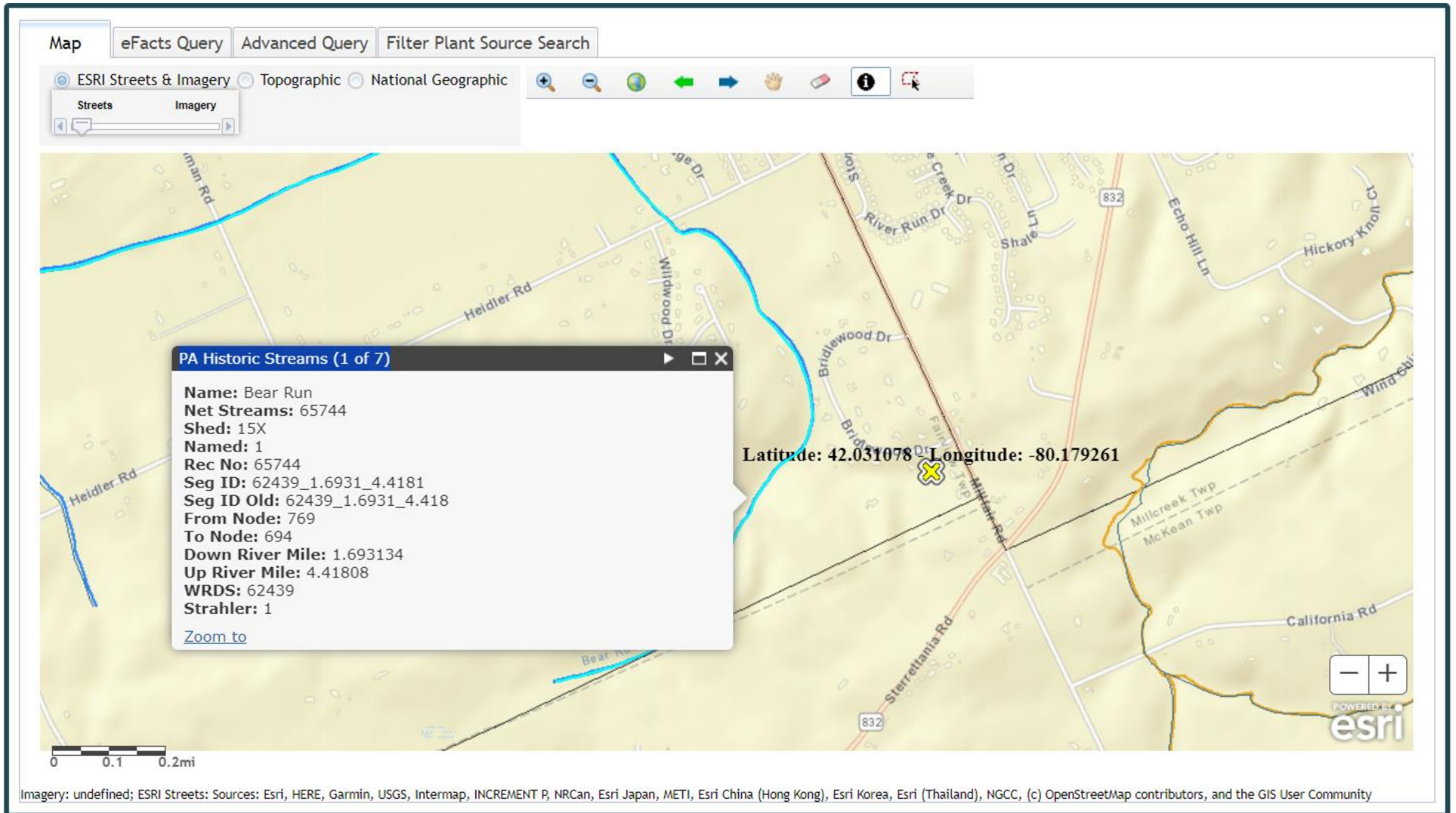
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	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 disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7.

Attachment 1
eMap – Location and Receiving Stream Data



Attachment 2
Google Earth – Site Imagery

