

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0295868
APS ID 1115644
Authorization ID 1488499

Applicant, Facility and Project Information

Applicant Name <u>Cathy & Daniel Hart</u>	Facility Name <u>Cathy & Daniel Hart SRSTP</u>
Applicant Address <u>5522 Doris Drive</u>	Facility Address <u>5522 Doris Drive</u>
<u>Girard, PA 16417-8806</u>	<u>Girard, PA 16417-8806</u>
Applicant Contact <u>Daniel Hart</u>	Facility Contact _____
Applicant Phone <u>(814) 402-1199</u>	Facility Phone _____
Client ID <u>386431</u>	Site ID <u>864898</u>
SIC Code <u>8800</u>	Municipality <u>Girard Township</u>
SIC Description <u>Private Households</u>	County <u>Erie</u>
Date Application Received <u>May 20, 2024</u>	WQM Required <u>Yes – Application Received.</u>
Date Application Accepted _____	WQM App. No. <u>2524404</u>
<p>Project Description <u>This is an application for a new Single Residence Sewage Treatment Plant (SRSTP) which will serve an existing 3-bedroom home.</u></p>	

Summary of Review

This is a new discharge which will serve an existing 3-bedroom home and replace an existing malfunctioning on-lot disposal system.

Act 14 – Notifications were submitted and received.

Treatment of the proposed facility will consist of (WQM Permit No. 2524404): A 1,000-gallon septic tank, a Premier Tech Ecoflo Model EC5-450-P-P, and an integrated Rewatec UV Disinfection unit.

There are no open violations in WMS for the subject Client ID (386431) as of 8/28/24.

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 (General)	August 28, 2024
		Vacant / Environmental Engineer Manager	Okay to Draft JCD 9/5/2024

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	42° 0' 44.2"	Longitude	-80° 16' 55.6"
Quad Name	Fairview	Quad Code	42080A3
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Stream (HQ-CWF, MF)	Stream Code	62485
NHD Com ID	134205213	RMI	0.3400
Drainage Area	1.37	Yield (cfs/mi ²)	0.022
Q ₇₋₁₀ Flow (cfs)	0.0301	Q ₇₋₁₀ Basis	USGS - StreamStats
Elevation (ft)	806	Slope (ft/ft)	
Watershed No.	15-A	Chapter 93 Class.	HQ-CWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	SILTATION		
Source(s) of Impairment	AGRICULTURE		
TMDL Status		Name	
Background/Ambient Data		Data Source	
pH (SU)	7.0	Default	
Temperature (°F)	68	Default	
Hardness (mg/L)	100	Default	
Other:			
Nearest Downstream Public Water Supply Intake	Lake Erie		
PWS Waters	Lake Erie	Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	5.86

Changes Since Last Permit Issuance: None – This is a new discharge (Planning was approved on July 28, 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 discharge being to an HQ watershed.

The Coco filter treatment system 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 monitoring was performed since this is an 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.

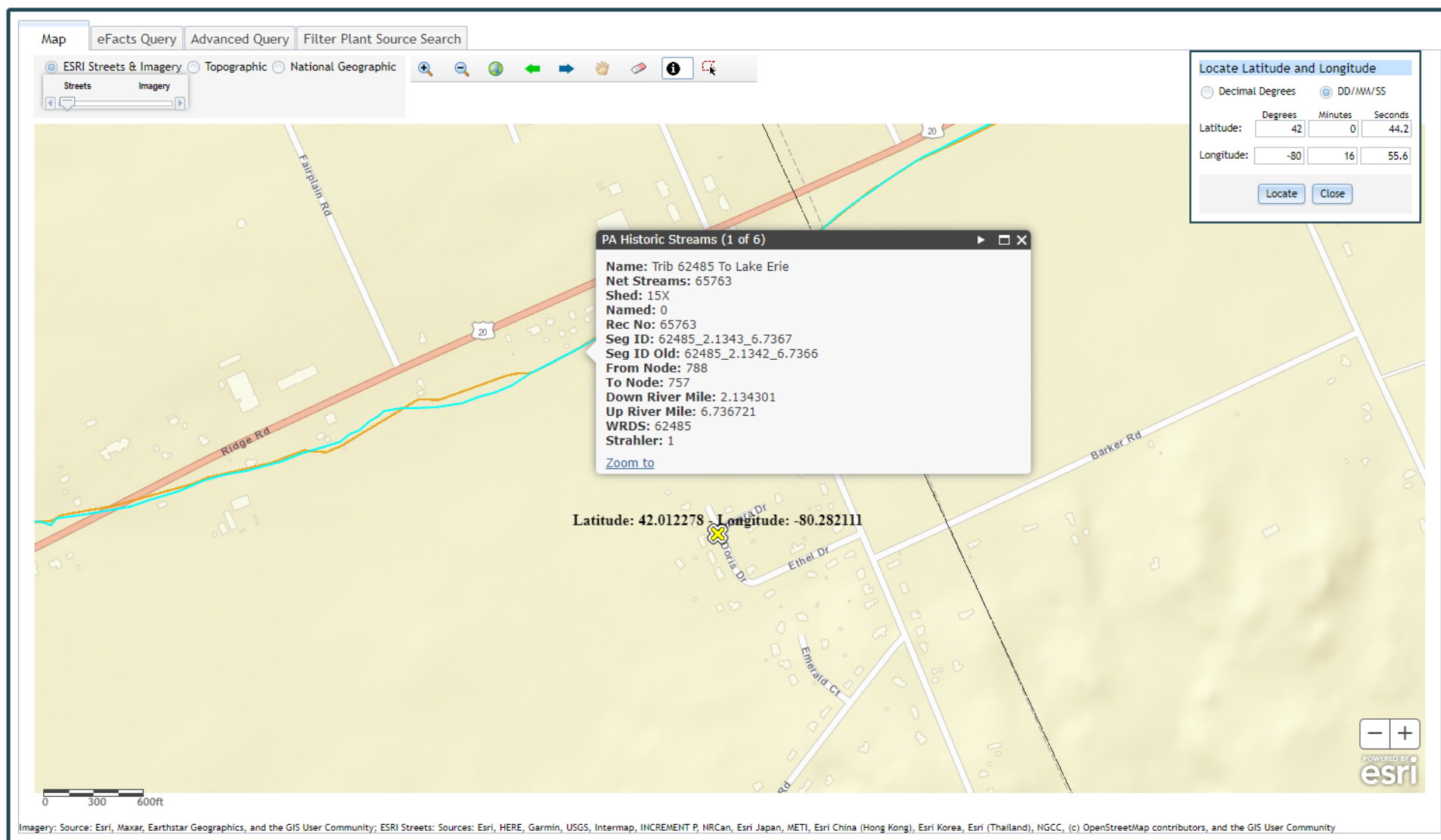
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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	1/month	Grab
CBOD5	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

