

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0240036
APS ID 1095266
Authorization ID 1451593

Applicant, Facility and Project Information

Applicant Name	<u>Jack Brinling</u>	Facility Name	<u>Jack Brinling SRSTP</u>
Applicant Address	<u>7928 E Lake Road</u> <u>Erie, PA 16511-1633</u>	Facility Address	<u>7928 E Lake Road</u> <u>Erie, PA 16511-1633</u>
Applicant Contact	<u>Jack Brinling</u>	Facility Contact	<u>Jack Brinling</u>
Applicant Phone	<u>(814) 899-6798</u>	Facility Phone	<u>(814) 899-6798</u>
Client ID	<u>257243</u>	Site ID	<u>687529</u>
SIC Code	<u>8800</u>	Municipality	<u>Harborcreek Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie</u>
Date Application Received	<u>August 3, 2023</u>	WQM Required	<u>Yes – Permit Received</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>2507404</u>

Project Description This is a renewal application for a Single Residence Sewage Treatment Plant (SRSTP) which serves an existing dwelling.

Summary of Review

This is an existing discharge which serves an existing 3-bedroom home.

Act 14 – Notification was submitted and received.

Treatment of this facility consists of (WQM Permit No. 2507404): A 1,000-gallon septic tank with a Zabel effluent filter, a dosing pump, an Ecoflo STB 650 Peat Filter, UV Disinfection unit, and an effluent pump tank.

There are no open violations in WMS for the subject Client ID (257243) as of 8/25/2023. [8/28/2023 CWY](#)

No evidence was submitted that suggested AMRs have been submitted. The last time this facility was inspected was on 11/29/2021 and no violations were noted.

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	August 25, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	8/28/2023

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>42° 12' 7"</u>	Longitude	<u>-79° 56' 16"</u>
Quad Name	<u>Harborcreek</u>	Quad Code	<u>42079B8</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Lake Erie</u>	Stream Code	<u>--</u>
NHD Com ID	<u>123926163</u>	RMI	<u></u>
Drainage Area	<u>--</u>	Yield (cfs/mi ²)	<u>--</u>
Q ₇₋₁₀ Flow (cfs)	<u>--</u>	Q ₇₋₁₀ Basis	<u>--</u>
Elevation (ft)	<u>664</u>	Slope (ft/ft)	<u>--</u>
Watershed No.	<u></u>	Chapter 93 Class.	<u></u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Not Assessed</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>0.05</u>

Changes Since Last Permit Issuance: No changes since last permit issuance.

Other Comments: This facility discharges the effluent on the North side of the property. The discharge then appears to flow down a large hill and directly into Lake Erie.

In accordance with the SOP, no water quality modeling 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.

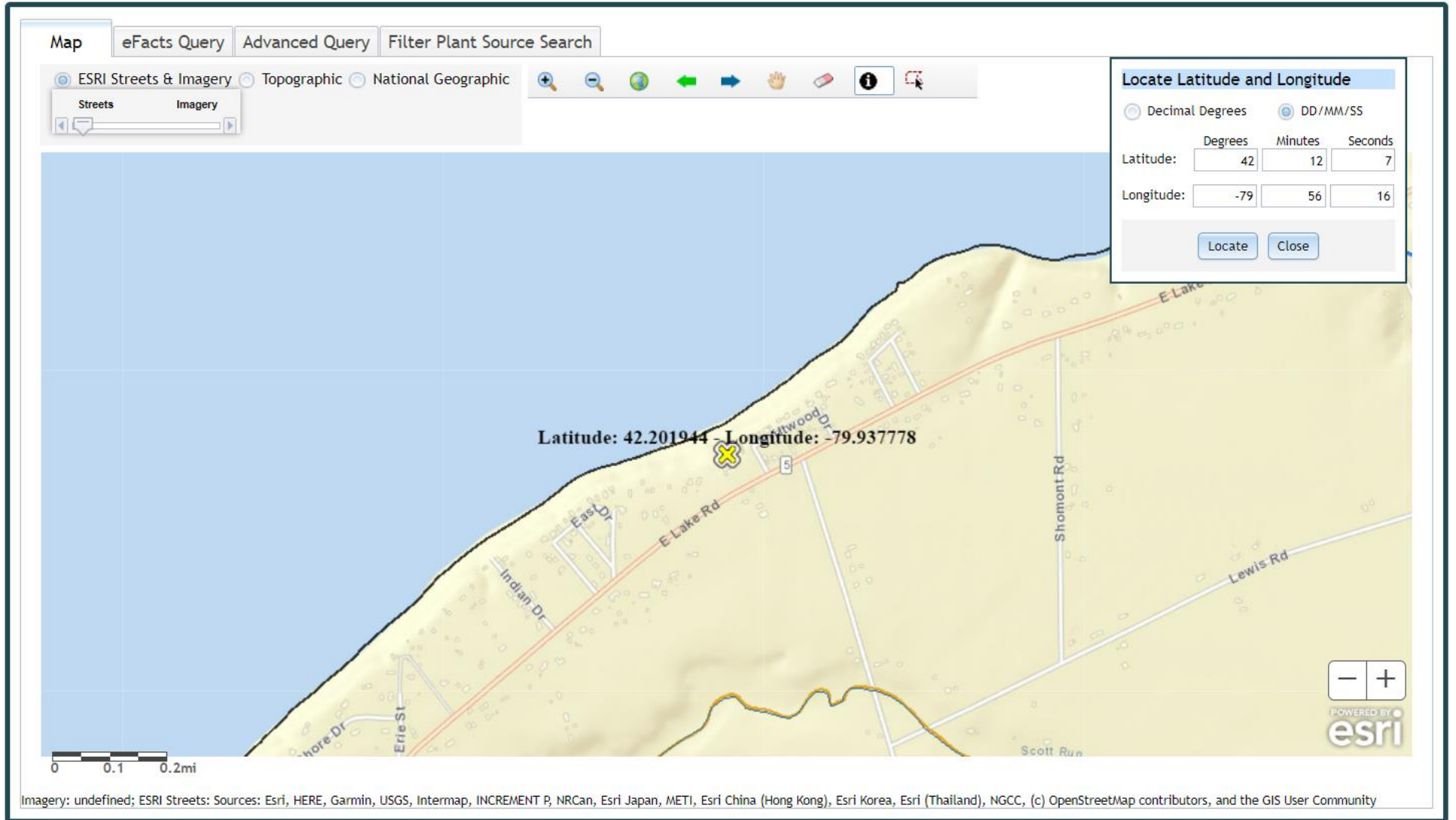
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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 (MGD)	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	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	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 pH are technology-based on Chapter 93.7. The limits for BOD5, Total Suspended Solids, and Fecal Coliform are technology-based on Chapter 92a.47.

Attachment 1
eMap – Location and Receiving Stream Data



Attachment 2
Google Earth – Site Imagery

