

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0265772
APS ID 1086266
Authorization ID 1435758

Applicant, Facility and Project Information

Applicant Name	<u>Deidre & Luke Reinhart</u>	Facility Name	<u>Deidre & Luke Reinhart SRSTP</u>
Applicant Address	<u>2805 Summerville Road</u> <u>Erie, PA 16510-4245</u>	Facility Address	<u>2805 Summerville Road</u> <u>Erie, PA 16510</u>
Applicant Contact	<u>Luke Reinhart</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 572-8980</u>	Facility Phone	<u></u>
Client ID	<u>360409</u>	Site ID	<u>827340</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>March 31, 2023</u>	WQM Required	<u>Yes - Existing</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>2518404</u>
Project Description	<u>Renewal Permit for Single Residence Sewer Treatment Plant (SRSTP) of an existing dwelling.</u>		

Summary of Review

This is an existing discharge for a 3-bedroom home.

Act 14 – Proof of notification was submitted and received.

The treatment process consists of (WQM Permit No. 2518404): A Norweco Singulair Model 960-500 Aerobic Unit, Norweco Bio Film Reactor, UV Disinfection Unit, an effluent pump/solids tank, an aerator tank, and a Bio-Kinetic filter tank. Design flow is .0004 MGD.

EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (360409) as of 05/08/2023. *5/12/2023 CWY*

Although the USGS topo map suggests the discharge will go to Fourmile Creek, during planning approval the consultant reportedly field verified that the drainage was altered by the railroad and now flows to Mill Creek. CWY

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	May 8, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	5/12/2023

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° 6' 56.57"</u>	Longitude	<u>-79° 59' 59.48"</u>
Quad Name	<u>Hammett</u>	Quad Code	<u>42079A8</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Mill Creek (WWF, MF)</u>	Stream Code	<u>62418</u>
NHD Com ID	<u>134205309</u>	RMI	<u>0.61</u>
Drainage Area	<u>.00432</u>	Yield (cfs/mi ²)	<u>.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>.000432</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>981</u>	Slope (ft/ft)	<u>--</u>
Watershed No.	<u>15-X</u>	Chapter 93 Class.	<u>WWF, MF</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>SILTATION</u>		
Source(s) of Impairment	<u>URBAN RUNOFF/STORM SEWERS</u>		
TMDL Status	<u></u>	Name	<u></u>
Background/Ambient Data			
pH (SU)	<u>7</u>	Data Source	<u>Default</u>
Temperature (°F)	<u>77</u>	Data Source	<u>Default - WWF</u>
Hardness (mg/L)	<u>100</u>	Data Source	<u>Default</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>9.3</u>

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

Other Comments: No 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.

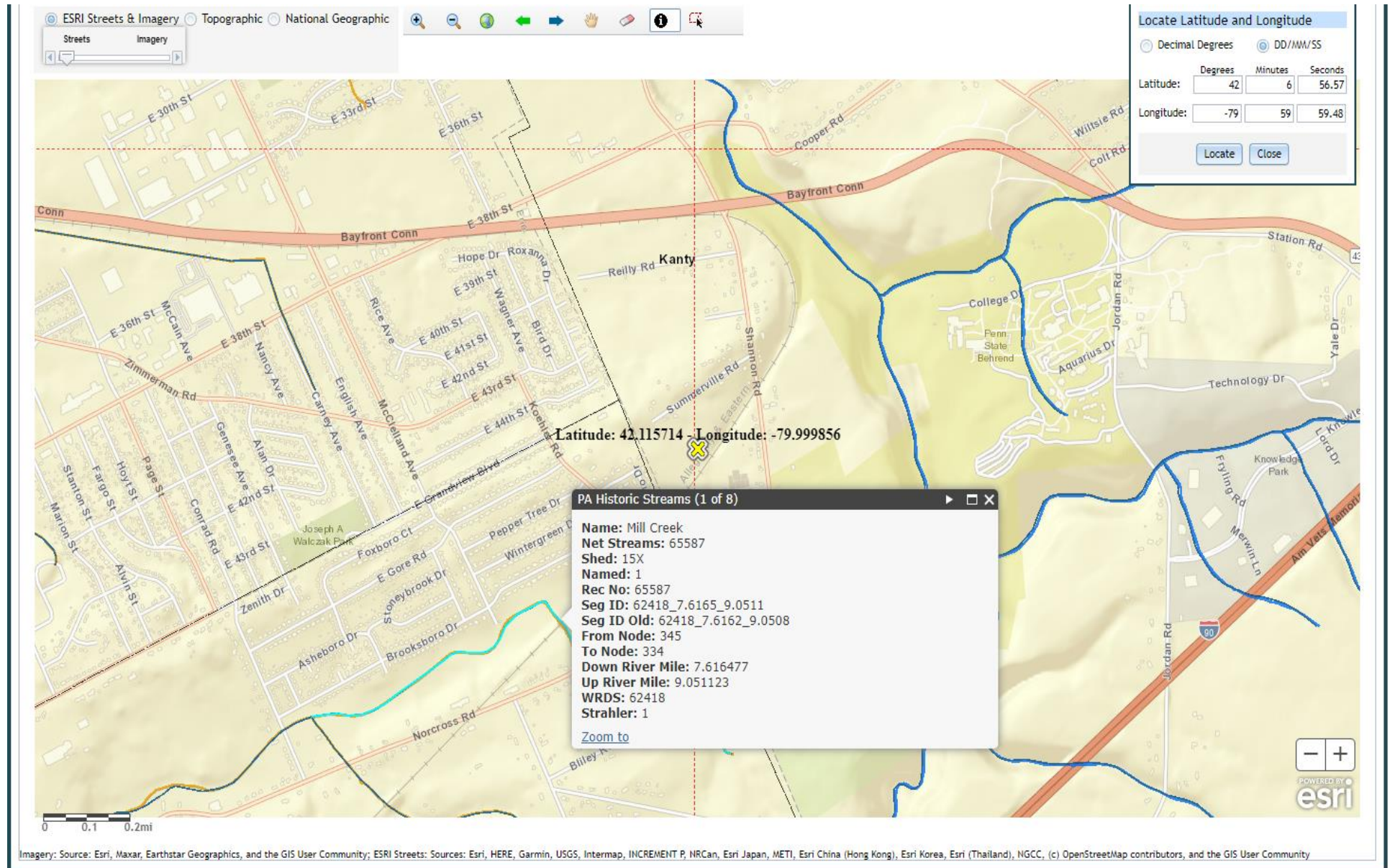
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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 (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Daily Min	XXX	9.0 Daily Max	XXX	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	1000	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 Map



Attachment 2
Google Earth Imagery

