

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0265195  
APS ID 1079163  
Authorization ID 1423807

**Applicant, Facility and Project Information**

Applicant Name	<u>Ashley &amp; Eric Brumett</u>	Facility Name	<u>Ashley &amp; Eric Brumett SRSTP</u>
Applicant Address	<u>9661 W Law Road</u> <u>North East, PA 16428-3741</u>	Facility Address	<u>9661 W Law Road</u> <u>North East, PA 16428-3741</u>
Applicant Contact	<u>Eric Brumett</u>	Facility Contact	<u></u>
Applicant Phone	<u>(716) 223-0189</u>	Facility Phone	<u></u>
Applicant Email	<u>ashley_gresh18@yahoo.com</u>		
Client ID	<u>342073</u>	Site ID	<u>820383</u>
SIC Code	<u>8800</u>	Municipality	<u>North East Township</u>
SIC Description	<u>Private Households</u>	County	<u>Erie</u>
Date Application Received	<u>December 27, 2022</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>February 16, 2023</u>	WQM App. No.	<u>2517406</u>
Project Description	<u>Renewal NPDES Permit for a Single Residence Sewage Treatment Plant</u>		

**Summary of Review**

Renewal Permit for a SRSTP consists of: A Norweco Singular Model 960 aerobic unit consisting of a pretreatment chamber, an aeration chamber, and a final clarification chamber, a Norweco Biofilm Reactor, and a Salcor 3G UV disinfection unit all in series discharging through a Tufite distribution box (sampling point location) to the point of discharge.

Act 14 – Proof of Notification was submitted and received.

SPECIAL CONDITIONS: NONE

The EPA waiver is in effect.

There is ONE open violation in WMS for the subject Client ID (342073) as of February 16, 2023 *3/22/2023 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		Aeshah Shameseldin Aeshah Shameseldin / Civil Engineer Trainee	February 16, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. / Environmental Engineer Manager	3/22/2023

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° 11' 3.34"</u>	Longitude	<u>-79° 52' 49.22"</u>
Quad Name	<u>Harborcreek</u>	Quad Code	<u>42079B8</u>
Wastewater Description:		<u>Sewage Effluent</u>	
Receiving Waters	<u>Unnamed Tributary to Twelvemile Creek (HQ-CWF, MF)</u>	Stream Code	<u>62307</u>
NHD Com ID	<u>123923664</u>	RMI	<u>0.4700</u>
Drainage Area	<u>0.25</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.12</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.03</u>	Q <sub>7-10</sub> Basis	<u>StreamStats</u>
Elevation (ft)	<u>839</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>15-A</u>	Chapter 93 Class.	<u>HQ-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>3.11 (Approximately)</u>

Changes Since Last Permit Issuance: None.

Other Comments: AMRs have not submitted.

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> 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
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: Sampling box, 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 and the monitoring frequency has been established as "1/month" due to special protection watershed designation (High Quality – HQ).

Outfall Location - eMap with Aerial Imagery

The screenshot shows the Pennsylvania eMapPA web application interface. At the top, there is a header with the Pennsylvania Department of Environmental Protection logo and navigation links for PA State Agencies, Online Services, and DEP Home. The main map area displays aerial imagery with several streams overlaid in different colors: blue for High Quality, purple for Exceptional Value, and green for Warm Water Fish. A legend on the left side provides a key for these stream types. A popup window titled "Designated Use Streams (1 of 3)" is open over a specific stream segment, displaying the following metadata:

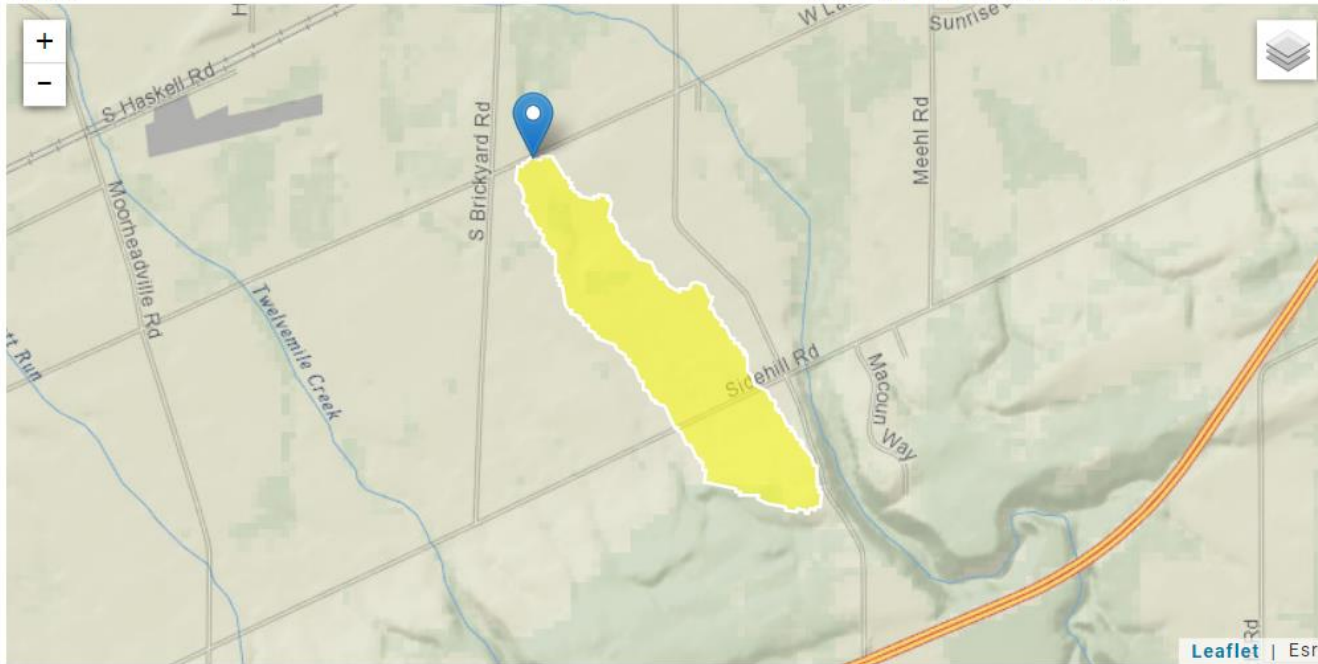
Designated Use Gen ID:	37149
GNIS Name:	
GNIS ID:	
ReachCode:	04120101005024
COMID:	123923664
Length Miles:	0.983
Map Symbology:	HQ
Length Miles:	0.983
Designated Use:	6
DES Use ID:	4
Use Description:	HQ-CWF(HIGH QUALITY-COLD WATER FISHES)
Migratory_Fish:	Y
HUC:	04120101
Basin:	N
Basin Narrative:	Null
Segment Narrative:	Null
Evaluation Date:	Null
Last Edit Date:	Null
Zoom to	

At the bottom of the map, there is a scale bar (0 to 0.2 miles) and a copyright notice: "Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community".

**Drainage Area Location – StreamStats with Aerial Imagery**

StreamStats Report

Region ID: PA  
Workspace ID: PA20230216161203739000  
Clicked Point (Latitude, Longitude): 42.18428, -79.88034  
Time: 2023-02-16 11:12:31 -0500



⊕ Collapse All

➤ Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.25	square miles