

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0288357
APS ID 1015688
Authorization ID 1313194

Applicant, Facility and Project Information

Applicant Name	<u>Dennis Hanson</u>	Facility Name	<u>Dennis Hanson SRSTP</u>
Applicant Address	<u>6558 East Lake Road</u> <u>Erie, PA 16511</u>	Facility Address	<u>6558 East Lake Road</u> <u>Erie, PA 16511</u>
Applicant Contact	<u>Dennis Hanson</u>	Facility Contact	<u>Dennis Hanson</u>
Applicant Phone	<u>(814) 449-9267</u>	Facility Phone	<u>(814) 449-9267</u>
Client ID	<u>356295</u>	Site ID	<u>840893</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>April 17, 2020</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>May 8, 2020</u>	WQM App. No.	<u>2520410</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</u>		

Summary of Review

The project involves the installation of a new 400 gallon per day single residence sewage treatment plant to replace an existing malfunctioning onlot system for a 3-bedroom home.

Act 14 – Proof of notification was submitted and received.

The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

I. OTHER REQUIRMENTS

- | | |
|---|---------------------------------|
| A. AMRs | F. Stormwater into Sewers |
| B. DMRs | G. Right of Way |
| C. Depth of Septage and Scum Management | H. Solids Handling |
| D. Septic Tank Pumping | I. Public Sewerage Availability |
| E. Chlorine Optimization | |

SPECIAL CONDITIONS: None

Proposed treatment will consist of (WQM Permit No. 2520410): A Premier Tech EC7-500-P-P PACK Coco Filter Unit (consisting of: a 1500-gallon septic tank, coco filter, and UV disinfection), where the treated effluent will discharge on owners property to Unnamed Tributary 62328 (CWF-MF) to Lake Erie.

There are no open violations in WMS for the subject client ID (356295) as of 5/8/2020.

Approve	Deny	Signatures	Date
X		Jon F. Bucha Jonathan F. Bucha / Civil Engineer Trainee	May 8, 2020
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	May 12, 2020

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	42° 11' 6.08"	Longitude	-79° 58' 9.76"
Quad Name	Harborcreek	Quad Code	0106
Wastewater Description: Sewage Effluent			
Receiving Waters	Unnamed Tributary 62328 (CWF-MF) to Lake Erie Creek	Stream Code	62328
NHD Com ID	123923655	RMI	0.22
Drainage Area	0.28 mi ²	Yield (cfs/mi ²)	0.0174
Q ₇₋₁₀ Flow (cfs)	0.00488	Q ₇₋₁₀ Basis	Streamstats
Elevation (ft)	598 (Google Earth)	Slope (ft/ft)	-
Watershed No.	15-X	Chapter 93 Class.	Cold Water Fishes, Migratory Fishes
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	-		
Source(s) of Impairment	-		
TMDL Status	-	Name	-
Background/Ambient Data		Data Source	
pH (SU)	-	-	
Temperature (°F)	-	-	
Hardness (mg/L)	-	-	
Other:	-	-	
Nearest Downstream Public Water Supply Intake		-	
PWS Waters	-	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	-

Changes Since Last Permit Issuance: N/A

Other Comments: This SRSTP is capable of meeting effluent limits.

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.

Proposed Effluent Limitations and Monitoring Requirements

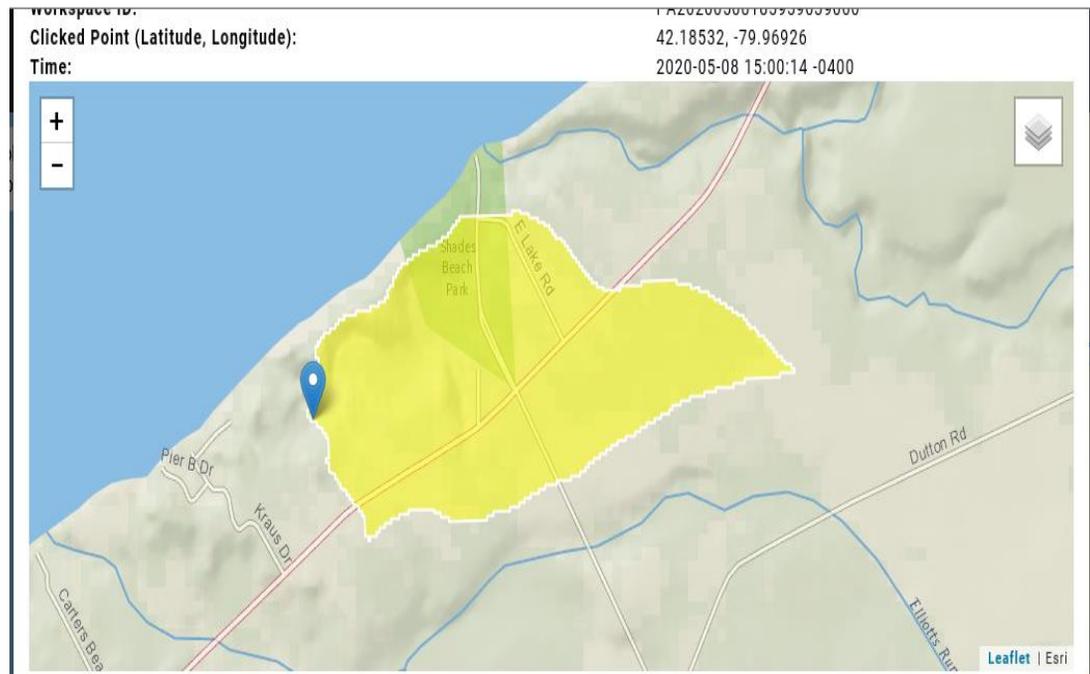
The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). 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 and the monitoring frequency has been established as "upon request" due to CWF stream designation.



Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.28	square miles
ELEV	Mean Basin Elevation	646.4	feet
PRECIP	Mean Annual Precipitation	43	inches

Low-Flow Statistics Parameters_(Low Flow Region 3)

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.28	square miles	2.33	1720
ELEV	Mean Basin Elevation	646.4	feet	898	2700
PRECIP	Mean Annual Precipitation	43	inches	38.7	47.9

