pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0222747**
Wastewater Type	**Sewage**	APS ID	**1045379**
Facility Type	**SFTF**	Authorization ID	**1365110**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**John Lantzy**	Facility Name	**Seagull Cove SFTF**
Applicant Address	140 Seagull Lane	Facility Address	140 Seagull Lane
	North East, PA 16428		North East, PA 16428
Applicant Contact	John Lantzy	Facility Contact	John Lantzy
Applicant Phone	(814) 449-4949	Facility Phone	(814) 449-4949
Client ID	120773	Site ID	496638
SIC Code	8800	Municipality	North East Township
SIC Description	Private Households	County	Erie County
Date Application Received	July 30, 2021	WQM Required	No
Date Application Accepted	August 13, 2021	WQM App. No.	-

Project Description: Renewal of a NPDES Permit for an existing discharge from a Small Flow Treatment Facility (SFTF).

Summary of Review

Act 14 - Proof of Notification was submitted and received.

A Part II Water Quality Management permit is not required at this time.

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

I. OTHER REQUIREMENTS:

A. AMRs
B. DMRs
C. Depth of Septage and Scum Measurement
D. Septic Tank Pumping
E. Effluent Chlorine Optimization and Minimization
F. Stormwater into sewers
G. Right of way
H. Solids handling
I. Public Sewerage Availability

SPECIAL CONDITIONS: None.

Permitted treatment consists of: (WQM Permit no. 2599406) A 1,250 gallon septic tank for each dwelling, a 1,250 gallon (shared) dosing tank, a 3,000 square foot subsurface sand filter, a 1,250 gallon collection tank with alum addition for phosphorus control, and tablet chlorine disinfection with a 1,250 gallon contact tank.

There are no open violations in EFACTS for Client ID 120773 as of 7/28/2022.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	7/28/2022
X		Adam J. Pesek for Vacant. / Environmental Engineer Manager	8/01/2022

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.002
Latitude	42º 15' 29.0"	Longitude	79º 47' 25""
Quad Name	-	Quad Code	-
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to Lake Erie (CWF)	Stream Code	N/A
NHD Com ID	123924717	RMI	N/A
Drainage Area	-	Yield (cfs/mi^2)	-
Q_{7-10} Flow (cfs)	-	Q_{7-10} Basis	-
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	15-A	Chapter 93 Class.	CWF
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	Lake Erie		
PWS Waters	Lake Erie	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	0.1

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.

No modeling was performed for this NPDES Permit renewal as septic tank/sand filter systems are capable of meeting CBOD5 and TSS averages of 10 mg/l, which are less than the inputs of the WQ model.

Currently, only 2 of the 5 originally planned residences have been built in this subdivision, and one is seasonal. Since the current flows are less than 800 gpd, which is less than half of the original design flow of 2,000 gpd, the monitoring frequencies will remain set similar to an SRSTP. The previous TSS limits were reduced from 20 mg/l monthly average and 40 mg/l instantaneous maximum to 10 mg/l monthly average and 20 mg/l instantaneous maximum per the SOP.

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
TRC	XXX	XXX	XXX	0.5 Avg Mo	XXX	1.6	1/month	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
Total Phosphorus	XXX	XXX	XXX	1.0 Daily Max	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after disinfection.

Flow is monitor only based on Chapter 92a.61. The limits for pH are technology-based on Chapter 93.7. The limits for Total Residual Chlorine (TRC) are technology based on Chapter 92a.47. The limits for BOD5, Total Suspended Solids, and Fecal Coliform are BPJ-based on the Department's "Small Flow Treatment Facilities Manual." The limits for Total Phosphorus are based on the 1969 International Joint Committee (IJC) agreement for Lake Erie.