

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0272221
APS ID 992357
Authorization ID 1271794

Applicant, Facility and Project Information

Applicant Name	<u>Elizabeth & Philip Hutchinson</u>	Facility Name	<u>Elizabeth & Philip Hutchinson SRSTP</u>
Applicant Address	<u>P.O. Box 561</u> <u>North East, PA 16428</u>	Facility Address	<u>212 Eighteen Mile Lane</u> <u>North East, PA 16428</u>
Applicant Contact	<u>Philip Hutchinson</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 725-5348</u>	Facility Phone	<u></u>
Client ID	<u>349562</u>	Site ID	<u>834490</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>April 12, 2019</u>	WQM Required	<u>Yes - Pending</u>
Date Application Accepted	<u>May 7, 2019</u>	WQM App. No.	<u>2519410</u>
Project Description	<u>New NPDES Permit for new discharge from a Single Residence Sewage Treatment Plant (SRSTP).</u>		

Summary of Review

Discharge will be from a proposed SRSTP consisting of a Norweco Singulair Model 960-500 aerobic unit, Norweco Hydro-Kinetic Bio-Film Bioreactor, and UV disinfection. The design flow of the system is 0.0005 MGD.

This project involves a repair of a malfunctioning onlot system.

Act 537 Planning was approved on March 19, 2019.

This permit does not qualify for a PAG-04 NPDES general permit because the Norweco 960 Aerobic unit and Bio Film reactor does not conform to the Department's Small Flow Treatment Facilities Manual.

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		Adam J. Pesek, E.I.T. / Environmental Engineering Specialist	
X		Justin C. Dickey, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0005</u>
Latitude	<u>42° 15' 31.5"</u>	Longitude	<u>79° 47' 18.5"</u>
Quad Name	<u>North East</u>	Quad Code	<u>0107</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed tributary to Lake Erie</u>	Stream Code	<u>62253</u>
NHD Com ID	<u>123924721</u>	RMI	<u>0.0900</u>
Drainage Area	<u></u>	Yield (cfs/mi ²)	<u>0</u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>Intermittent Stream</u>
Elevation (ft)	<u>593</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>15-A</u>	Chapter 93 Class.	<u>Cold Water Fishes, Migratory Fishes</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>7.0</u>	Default	<u></u>
Temperature (°C)	<u>20</u>	Default (CWF)	<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>0.09</u>

Changes Since Last Permit Issuance:

Other Comments:

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: