

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SFTF

## NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0222411  
APS ID 1118052  
Authorization ID 1492706

### Applicant, Facility and Project Information

Applicant Name	<u>Mary &amp; Michael Alberti</u>	Facility Name	<u>Mary &amp; Michael Alberti SFTF</u>
Applicant Address	<u>22127 Quail Pond Place</u> <u>Ashburn, VA 20148-7124</u>	Facility Address	<u>20 and 30 Carey Farms Road</u> <u>Erie, PA 16511</u>
Applicant Contact	<u>Michael Alberti (<a href="mailto:qvweedo@aol.com">qvweedo@aol.com</a>)</u>	Facility Contact	<u>Michael Alberti (<a href="mailto:qvweedo@aol.com">qvweedo@aol.com</a>)</u>
Applicant Phone	<u>(703) 850-9076</u>	Facility Phone	<u>(703) 850-9076</u>
Client ID	<u>378517</u>	Site ID	<u>465097</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>June 28, 2024</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>July 22, 2024</u>	WQM App. No.	<u>-</u>
Project Description	<u>Renewal of an NPDES Permit for an existing discharge of treated sanitary wastewater.</u>		

### Summary of Review

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 REQUIREMENTS:

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

SPECIAL CONDITIONS: None.

Proposed treatment will consist of: Two 1,000 gallon septic tanks in series serving 20 Carey Farms Road, two more 1,000 gallon septic tanks in series serving 30 Carey Farms Road, combined into a 300 gallon Phosphorus settling tank, a 500 gallon pump tank, a 1,040 square foot (26' x 40') subsurface sand filter, and tablet chlorine disinfection with a 300 gallon chlorine contact tank.

There are no open violations in effects for Client ID 378517 as of 6/18/2025.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley	6/18/2025
		Stephen A. McCauley, E.I.T. / Project Manager	
X		Adam Olesnanik	6/20/2025
		Adam Olesnanik, P.E. / Environmental Engineer Manager	

**Discharge, Receiving Waters and Water Supply Information**

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0008</u>
Latitude	<u>42° 12' 1.00"</u>	Longitude	<u>-79° 56' 42.00"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Lake Erie (CWF, MF)</u>	Stream Code	<u>62245</u>
NHD Com ID	<u>123923651</u>	RMI	<u>N/A</u>
Drainage Area	<u>-</u>	Yield (cfs/mi <sup>2</sup> )	<u>-</u>
Q <sub>7-10</sub> Flow (cfs)	<u>-</u>	Q <sub>7-10</sub> Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>15-A</u>	Chapter 93 Class.	<u>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>-</u>		<u>-</u>
Temperature (°F)	<u>-</u>		<u>-</u>
Hardness (mg/L)	<u>-</u>		<u>-</u>
Other:	<u>-</u>		<u>-</u>
Nearest Downstream Public Water Supply Intake	<u>-</u>		
PWS Waters	<u>-</u>	Flow at Intake (cfs)	<u>-</u>
PWS RMI	<u>-</u>	Distance from Outfall (mi)	<u>-</u>

**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.

This SFTF was designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to it serving multiple households.

No modeling was performed for this NPDES Permit renewal as septic tank/sand filter systems are capable of meeting CBOD<sub>5</sub> and TSS averages of 10 mg/l, which are less than the inputs of the WQ model.

**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 (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	1/year	Grab
TRC	XXX	XXX	XXX	Report Avg Mo	XXX	Report	1/month	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
Total Phosphorus	XXX	XXX	XXX	1.0	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after disinfection.

Flow is monitor only based on Chapter 92a.61. The limits for Total Residual Chlorine (TRC) are technology based on Chapter 92a.48. The limits for pH are technology-based on Chapter 93.7. The limits for BOD5, Total Suspended Solids, and Fecal Coliforms are technology-based on Chapter 92a.47. The limit for Total Phosphorus is technology-based on the 1969 International Joint Committee (IJC) agreement for Lake Erie.