

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0288489
APS ID 1017450
Authorization ID 1316277

Applicant, Facility and Project Information

Applicant Name	<u>Terence O'Keefe</u>	Facility Name	<u>Terence O'Keefe SRSTP</u>
Applicant Address	<u>226 Patterson School Road</u> <u>Grove City, PA 16127</u>	Facility Address	<u>226 Patterson School Road</u> <u>Grove City, PA 16127</u>
Applicant Contact	<u>Terence O'Keefe</u>	Facility Contact	<u>Terence O'Keefe</u>
Applicant Phone	<u>(814) 450-8418</u>	Facility Phone	<u>(814) 450-8418</u>
Client ID	<u>356758</u>	Site ID	<u>840753</u>
SIC Code	<u>8800</u>	Municipality	<u>Pine Township</u>
SIC Description	<u>Private Households</u>	County	<u>Mercer County</u>
Date Application Received	<u>May 19, 2020</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>June 4, 2020</u>	WQM App. No.	<u>4320408 will be issued concurrently</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</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: A Premier Tech EC7-500-P-P Pack Coco filter unit, which contains a septic tank, coco filter, Ultraviolet (UV) disinfection, and pump.
(WQM Permit no. 4320408)

There are no open violations in efacts for Client ID 356758 as of 8/21/2020.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	8/21/2020
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	August 21, 2020

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>41° 11' 47.92"</u>	Longitude	<u>-80° 00' 55.76"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of East Branch Wolf Creek (CWF)</u>	Stream Code	<u>N/A</u>
NHD Com ID	<u>126219154</u>	RMI	<u>N/A</u>
Drainage Area	<u>-</u>	Yield (cfs/mi ²)	<u>-</u>
Q ₇₋₁₀ Flow (cfs)	<u>-</u>	Q ₇₋₁₀ Basis	<u>-</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>Cold Water Fishes</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>Metals</u>		
Source(s) of Impairment	<u>Acid Mine Drainage (this discharge is not expected to include any AMD-related metals)</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 the use of a Premier Tech EC7-500-P-P Pack Coco filter unit.

No modeling was performed for this NPDES Permit as the Premier Tech EC7-500-P-P Pack Coco filter unit has been shown to be capable of meeting CBOD₅ averages of 8 mg/l and TSS averages of 6 mg/l, which are less than the inputs of the WQ model.

Planning was approved on March 13, 2020.

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 Ultraviolet (UV) light disinfection.

Flow is monitor only based on Chapter 92a.61. 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.