

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0263541
APS ID 692083
Authorization ID 1279619

Applicant, Facility and Project Information

Applicant Name	<u>Thomas Young</u>	Facility Name	<u>Thomas Young SFTF</u>
Applicant Address	<u>209 Center Drive</u> <u>Chicora, PA 16025</u>	Facility Address	<u>209 Center Drive</u> <u>Chicora, PA 16025</u>
Applicant Contact	<u>Thomas Young</u>	Facility Contact	<u>Thomas Young</u>
Applicant Phone	<u>-</u>	Facility Phone	<u>-</u>
Client ID	<u>272617</u>	Site ID	<u>706083</u>
SIC Code	<u>8800</u>	Municipality	<u>Oakland Township</u>
SIC Description	<u>Private Households</u>	County	<u>Butler County</u>
Date Application Received	<u>July 8, 2019</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>July 9, 2019</u>	WQM App. No.	<u>-</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. The previous condition for UV cleaning has been removed with this renewal since the AMR form has been updated and the condition is no longer necessary.

Permitted treatment consists of: A 1,000 gallon septic tank with an effluent filter, a 500 gallon dosing tank, a 324 square foot (WQM Permit no. WQG018695) recirculating subsurface sand filter (RSSF), and Ultraviolet (UV) light disinfection.

There are no open violations in efacts associated with the subject Client ID (272617) as of 4/30/2020.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley Stephen A. McCauley, E.I.T. / Environmental Engineering Specialist	4/30/2020
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	5/5/2020

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	40° 53' 57.89"	Longitude	-79° 50' 48.84"
Quad Name	-	Quad Code	-
Wastewater Description:		Sewage Effluent	
Receiving Waters	Unnamed Tributary to the Thorn Run (HQ-WWF)	Stream Code	N/A
NHD Com ID	126217886	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.	20-C	Chapter 93 Class.	High Quality Waters - Warm Water 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)	-

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.

The measurement frequency for pH was changed from "Upon Request" to "1/Year", to comply with the SOP during the previous NPDES Permit renewal. The measurement frequency for pH will be increased with this renewal from 1/year to 1/month due to the receiving stream being a special protection watershed.

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 (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/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

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.