

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0234061
APS ID 1046112
Authorization ID 1366295

Applicant, Facility and Project Information

Applicant Name	<u>David Thierwechter</u>	Facility Name	<u>Thierwechter SRSTP</u>
Applicant Address	<u>813 Round Top Road</u> <u>Wellsboro, PA 16901-6979</u>	Facility Address	<u>813 Round Top Road</u> <u>Wellsboro, PA 16901-6979</u>
Applicant Contact	<u>David Thierwechter</u>	Facility Contact	<u>David Thierwechter</u>
Applicant Phone	<u>(570) 723-8585</u>	Facility Phone	<u>(570) 723-8585</u>
Client ID	<u>287442</u>	Site ID	<u>740256</u>
SIC Code	<u>4952</u>	Municipality	<u>Charleston Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Tioga</u>
Date Application Received	<u>August 17, 2021</u>	WQM Required	<u>Yes, issued</u>
Date Application Accepted	<u>September 8, 2021</u>	WQM App. No.	<u>5911402</u>
Project Description	<u>Renewal of an existing NPDES permit for the discharge of treated sewage.</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.

Approve	Deny	Signatures	Date
X		<i>Derek S. Garner</i> Derek S. Garner / Project Manager	June 1, 2022
X		<i>Nicholas W. Hartranft</i> Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	June 1, 2022

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>41° 42' 35.66"</u>	Longitude	<u>-77° 15' 5.55"</u>
Quad Name	<u>Antrim</u>	Quad Code	<u>0527</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Charleston Creek</u>	Stream Code	<u>21915</u>
NHD Com ID	<u>66536247</u>	RMI	<u>4.81</u>
Drainage Area	<u>6.33</u>	Yield (cfs/mi ²)	<u>0.04</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.25</u>	Q ₇₋₁₀ Basis	<u>Streamgage No. 01548500</u>
Elevation (ft)	<u>1,530</u>	Slope (ft/ft)	<u>n/a</u>
Watershed No.	<u>9-A</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u>n/a</u>	Existing Use Qualifier	<u>n/a</u>
Exceptions to Use	<u>n/a</u>	Exceptions to Criteria	<u>n/a</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>n/a</u>		
Source(s) of Impairment	<u>n/a</u>		
TMDL Status	<u>n/a</u>	Name	<u>n/a</u>
Nearest Downstream Public Water Supply Intake	<u>Wellsboro Municipal Authority</u>		
PWS Waters	<u>Hamilton Lake</u>	Flow at Intake (cfs)	<u>0.33</u>
PWS RMI	<u>2.36</u>	Distance from Outfall (mi)	<u>2.45</u>

Facility Overview

WQM Permit No. 5911402 was issued 10/26/11. The facility consists of a dual compartment a 1,000-gallon septic tank, 500-gallon dosing tank, three peat bio-filters in parallel, and one 500-gallon chlorine contact tank with a tablet erosion chlorinator.

The single resident sewage treatment plant serves one three-bedroom house that is occupied year-round.

Compliance History

The facility was most recently inspected by DEP on September 4, 2020. The inspection report indicates annual maintenance reports are being submitted in a timely manner. No violations were noted.

Existing Effluent Limitations and Monitoring Requirements

The existing effluent limits were previously established based on peat bio-filters expected treatment performance. Minimum measurement frequencies were established as BPJ for a new system.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/6 months	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
TRC	XXX	XXX	XXX	XXX	XXX	Report	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20	1/6 months	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/6 months	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 001

Proposed Effluent Limitations and Monitoring Requirements

No changes are recommended to the existing limits or sample types. Minimum measurement frequencies for flow, BOD5, TSS, and fecal coliform are proposed to be changed from 1/6 months to 1/year. The facility has demonstrated compliance with existing frequencies with no noted violations, and an annual frequency will bring the facility in line with DEP's standard operating procedures for SRSTPs.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
TRC	XXX	XXX	XXX	XXX	XXX	Report	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 Geo Mean	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001