

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0261483
APS ID 718324
Authorization ID 1430436

Applicant, Facility and Project Information

Applicant Name	<u>Broad Top Township Bedford County</u>	Facility Name	<u>Broad Top Township Morrow Res</u>
Applicant Address	<u>PO Box 57 187 Municipal Road</u> <u>Defiance, PA 16633-0057</u>	Facility Address	<u>680 Dudley Road</u> <u>Six Mile Run, PA 16679-9305</u>
Applicant Contact	<u>Donald Hedge</u>	Facility Contact	<u>Stacy Woomer</u>
Applicant Phone	<u>(814) 928-5253</u>	Facility Phone	<u>(814) 928-5253</u>
Client ID	<u>35018</u>	Site ID	<u>733503</u>
SIC Code	<u>6514,8811</u>	Municipality	<u>Broad Top Township</u>
SIC Description	<u>Fin, Ins & Real Est - Dwelling Operators, Except Apartments, Services - Private Households</u>	County	<u>Bedford</u>
Date Application Received	<u>October 17, 2022</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>November 9, 2022</u>	WQM App. No.	<u>0510403</u>
Project Description	<u>Renewal application for an existing SRSTP.</u>		

Summary of Review

Broad Top Twp has submitted a renewal application for a permit for an existing Single Residence Small Flow Treatment Facility located in Bedford County. DEP received the renewal NPDES permit application on October 17, 2022 by the applicant. The Department has reviewed the application in order to ensure that the facility does not receive or discharge a flow greater than 600 GPD or exceed the specified limits of BOD5, Total Suspended Solids, and Fecal Coliform prescribed in the permit. As per 25 Pa. Code § 92a.53, all applicable effluent limits and standards are considered in development of the permit. The limits noted in the permit suggest that any applicable water quality standards will not be violated.

The limits discussed in the permit are based off of several factors that were determined by the Standard Operating Procedure for Small Flow Treatment Facilities (SOP No. BCW-PMT-003).

The TSS limits were prescribed based on The Department's Water Quality Antidegradation Implementation Guidance ID No. 391-0300-002

The Fecal Coliform limits listed in the permit were required by the Bureau of Clean Water, as stated in Chapter 92a and 93.

The permit was previously permitted as an SFTF due to being classified as a small business. However, the operation no longer operates as a business, and is now just a single-family home. The facility previously had violations for failure to submit AMRs as well as failure to meet limits. It was mentioned in the previous fact sheet that if limits were maintained, AMRs were submitted, and violations were resolved, the sampling frequencies and limits could be decreased to standard levels.

Approve	Deny	Signatures	Date
X		<i>Jared Lescavage</i> Jared Lescavage / Project Manager	March 22, 2023
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	3/22/2023

Summary of Review

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.

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0006</u>
Latitude	<u>40° 10' 52.85"</u>	Longitude	<u>-78° 11' 5.68"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Sixmile Run (WWF)</u>	Stream Code	<u>13808</u>
NHD Com ID	<u>65843041</u>	RMI	<u>0.2</u>
Drainage Area	<u>0.15 mi²</u>	Yield (cfs/mi ²)	_____
Q ₇₋₁₀ Flow (cfs)	<u>0.00308</u>	Q ₇₋₁₀ Basis	<u>StreamStats</u>
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	<u>11-D</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	_____	Exceptions to Criteria	_____
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	_____		
Source(s) of Impairment	_____		
TMDL Status	<u>Final</u>	Name	<u>Sixmile Run</u>
Background/Ambient Data	Data Source		
pH (SU)	_____	_____	
Temperature (°F)	_____	_____	
Hardness (mg/L)	_____	_____	
Other:	_____	_____	
Nearest Downstream Public Water Supply Intake	<u>Saxton Municipal Water</u>		
PWS Waters	<u>Juniata River</u>	Flow at Intake (cfs)	_____
PWS RMI	<u>38.5</u>	Distance from Outfall (mi)	<u>11.7</u>

Changes Since Last Permit Issuance: Since the operation has abided by the special conditions of the previous permit, met its limits, and has been submitting timely AMRs, the following changes were able to be made:

- Conversion of permit from SFTF to SRSTP
- CBOD to BOD5 and limit decreased from 25/50 to 10/20
- TSS limit decreased from 30/60 to 10/20
- All sampling frequencies decreased from 2/year to 1/year
- Addition of pH limit to the permit

Other Comments: None

Compliance History	
Summary of DMRs:	AMRs from the past two years signify that the facility is able to maintain standard limit levels.
Summary of Inspections:	No violations noted.

Other Comments: **None.**

Existing Permit Limits:

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. A. For Outfall 001, Latitude 40° 10' 53.00", Longitude 78° 11' 6.00", River Mile Index 0.37, Stream Code 13808

Receiving Waters: Unnamed Tributary to Sixmile Run

Type of Effluent: Sewage Effluent

1. The permittee is authorized to discharge during the period from **Permit Effective Date** through **Permit Expiration Date**.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

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	2/year	Estimate
Carbonaceous Biochemical Oxygen Demand (CBOD5)	XXX	XXX	XXX	25.0	XXX	50.0	2/year	Grab
Total Suspended Solids	XXX	XXX	XXX	30.0	XXX	60.0	2/year	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000	XXX	XXX	2/year	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200	XXX	XXX	2/year	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at Outfall 001

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/year	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) Oct 1 - Apr 30	XXX	XXX	XXX	2000	XXX	XXX	1/year	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments: None