

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0255165
APS ID 1150396
Authorization ID 1549023

Applicant, Facility and Project Information

Applicant Name	<u>Bill Lilly</u>	Facility Name	<u>845 Barclay Hill Rd SRSTP</u>
Applicant Address	<u>845 Barclay Hill Road</u> <u>Beaver, PA 15009-9306</u>	Facility Address	<u>845 Barclay Hill Road</u> <u>Beaver, PA 15009-9306</u>
Applicant Contact	<u>Bill Lilly</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 312-2180</u>	Facility Phone	<u></u>
Client ID	<u>330116</u>	Site ID	<u>817593</u>
SIC Code	<u>8811</u>	Municipality	<u>Brighton Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Beaver</u>
Date Application Received	<u>October 27, 2025</u>	WQM Required	<u>No</u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>Renewal of NPDES Permit for SRSTP Facility</u>		

Summary of Review

Overview

The permittee applied to renew PA0255165 on 10/27/25. The permit is set to expire on 9/30/26. WQM Permit 0416402 approved a flow rate of 500 GPD.

The permittee has submitted AMR's to the department that indicate that the unit has been inspected and serviced. However, the AMR's did not list any water teting. In addition, no water testing was submitted with the renewal application.

Facility Information

The discharge location, Outfall 001, is located at 40° 41' 13.03", -80° 23' 10.43". The facility discharges to an UNT that connects to Fourmile Run.

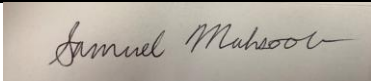

The system consists of a Norweco Model 960 aerobic unit, Norweco Bio Film Reactor, and a Salcor 3G UV unit.

Act 14 Notifications

Act 14 Notifications were provided on 10/31/2025.

Client ID Compliance Check

The permittee has no violations by client ID.

Approve	Return	Deny	Signatures	Date
x			 Sam Mahsoob, EIT / Environmental Engineering Trainee	1/28/2026
x			 Mahbuba Iasmin, Ph.D., P.E. / Environmental Engineer Manager	2/5/2026

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>.0004</u>
Latitude	<u>40° 41' 13.03"</u>	Longitude	<u>-80° 23' 10.43"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Fourmile Run (WWF)</u>	Stream Code	<u>33563</u>
NHD Com ID	<u>99679370</u>	RMI	<u>0.66</u>
Drainage Area	<u>0.06</u>	Yield (cfs/mi ²)	<u>0.00425</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.000255</u>	Q ₇₋₁₀ Basis	<u>USGS Streamstats</u>
Elevation (ft)	<u>1195</u>	Slope (ft/ft)	_____
Watershed No.	<u>20-B</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	_____	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)	_____

Changes Since Last Permit Issuance: None

Other Comments: None

Compliance History

Operations Compliance Check Summary Report

Facility: 845 Barclay Hill Road SRSTP (former LILLY SRSTP)

NPDES Permit No.: PA0255165

Compliance Review Period: 1/1/21-1/12/26

Inspection Summary:

INSPECTED DATE	INSP TYPE	AGENCY	INSPECTION RESULT DESC	INSPECTION COMMENT
08/19/2021	Administrative/File Review	PA Dept of Environmental Protection	No Violations Noted	No violations reported. No complaints received.

Violation Summary:

No violations noted during review period

Open Violations by Client ID:

No open violations for Client ID 330116

Enforcement Summary:

No enforcements executed during review period

Effluent Violation Summary:

None observed

Compliance Status: Facility currently has no outstanding violations or pending enforcement actions

Completed by: Amanda Illar **Completed date:** 1/12/26

Development of Effluent Limitations

Technology-Based Limitations (TBELs)

The following effluent limitations and monitoring requirements, at a minimum, will be established in all new and renewed SFTF permits based on the requirements of DEP's "Standard Operating Procedure (SOP) for Clean Water Program New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Application" (SOP No. BCW-PMT-003, Version 1.8, Final, November 9, 2012, Revised May 17, 2019).

Parameter	Avg	IMAX	Sample Type	Frequency: SFTFs	Frequency: SRSTPs
Flow (GPD)	Report	XXX	Estimate (SRSTPs) Measured (SFTFs)	1/month	1/year
BOD5 (mg/L)	10	20	Grab	1/month	1/year
TSS (mg/L)	10	20	Grab	1/month	1/year
pH*	6.0 S.U. Inst. Min.	9.0 S.U.	Grab	1/month	1/year
TRC (mg/L)	Report for SRSTPs; Use TRC Spreadsheet to determine WQBELs or 0.02 mg/L for SFTFs		Grab	1/month	1/month
Fecal Coliform (No./100 ml)	200 Geometric Mean (SFTFs) / Average (SRSTPs)		Grab	1/month	1/year

* Technology-Based effluent limits for pH will be imposed based upon Federal Regulation 133.102(c) and State Regulation 95.2(1).

Comments: The permit limits will remain unchanged from the previous renewal.

Additional Considerations

Anti-Backsliding

Section 402(o) of the Clean Water Act (CWA), enacted in the Water Quality Act of 1987, establishes anti-backsliding rules governing two situations. The first situation occurs when a permittee seeks to revise a Technology-Based effluent limitation based on BPJ to reflect a subsequently promulgated effluent guideline which is less stringent. The second situation addressed by Section 402(o) arises when a permittee seeks relaxation of an effluent limitation which is based upon a State treatment standard of water quality standard.

Previous limits can be used pursuant to EPA's anti-backsliding regulation. Reissued permits. (1) Except as provided in paragraph (l)(2) of this section when a permit is renewed or reissued. Interim effluent limitations, standards or conditions must be at least as stringent as the final effluent limitations, standards, or conditions in the previous permit (unless the circumstances on which the previous permit was based have materially and substantially changed since the time the permit was issued and would constitute cause for permit modification or revocation and reissuance under §122.62). (2) In the case of effluent limitations established on the basis of Section 402(a)(1)(B) of the CWA, a permit may not be renewed, reissued, or modified on the basis of effluent guidelines promulgated under section 304(b) subsequent to the original issuance of such permit, to contain effluent limitations which are less stringent than the comparable effluent limitations in the previous permit.

(40 CFR 122.44 (l)(2) Establishing limitations, standards, and other permit conditions., 40 CFR Ch. I (7-1-21 Edition))

No permits limits have been made less stringent in the renewal draft permit.

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.

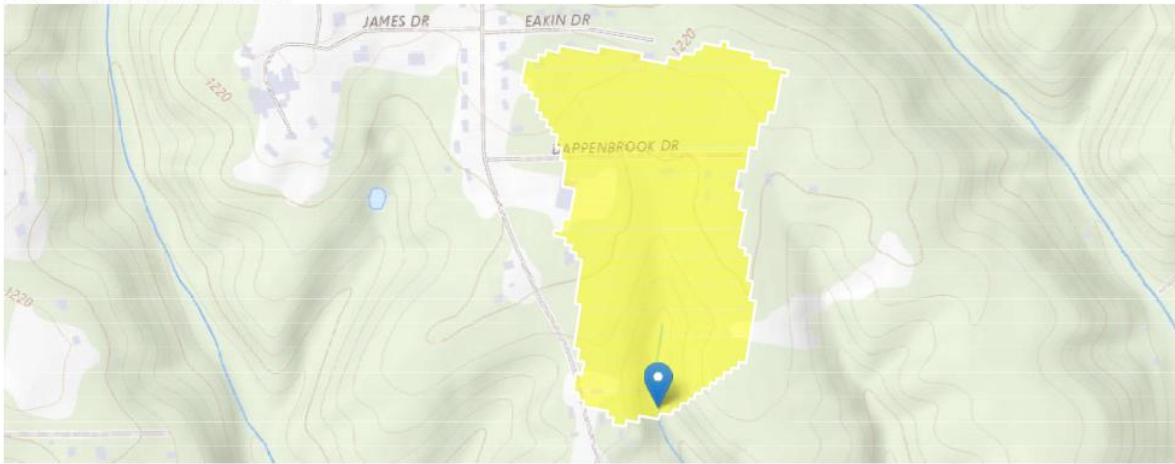
Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Average Monthly	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH	XXX	XXX	6.0 Min	XXX	9.0	XXX	1/year	Grab
CBOD5	XXX	XXX	10.0	XXX	XXX	20.0	1/year	Grab
TSS	XXX	XXX	10.0	XXX	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Annl Avg	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments: All permit limits will remain unchanged from the last renewal.

StreamStats Report

Region ID: PA
 Clicked Point (Latitude, Longitude): 40.68698, -80.38604
 Time: 2026-01-29 14:30:54 -0500



StreamStats Update

Starting with version 4.30.0, the StreamStats application uses services that were redeveloped with open-source software components. Users may observe minor variations in computed results when compared to those from previous versions. These differences are expected and do not reflect errors in the underlying data or analytical methods. Users are advised to consider these potential variations when interpreting or comparing results generated across different versions of StreamStats. Please email streamstats@usgs.gov with any questions or concerns. A full list of changes can be found at <https://www.usgs.gov/streamstats/news/streamstats-data-updates-open-source-code-release> (<https://www.usgs.gov/streamstats/news/streamstats-data-updates-open-source-code-release>).

Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.06	square miles
ELEV	Mean Basin Elevation	1195.4	feet

Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 4]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.06	square miles	2.26	1400
ELEV	Mean Basin Elevation	1195.4	feet	1050	2580

Low-Flow Statistics Disclaimers [Low Flow Region 4]

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Low-Flow Statistics Flow Report [Low Flow Region 4]

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.00114	ft ³ /s
30 Day 2 Year Low Flow	0.0025	ft ³ /s
7 Day 10 Year Low Flow	0.000255	ft ³ /s
30 Day 10 Year Low Flow	0.000675	ft ³ /s
90 Day 10 Year Low Flow	0.00158	ft ³ /s

Low-Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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Application Version: 4.30.0
SSHydro Services Version: 1.0.0
SSDelineate Services Version: 1.0.0
NSS Services Version: 2.2.1
GageStats Services Version: 1.2.1
Pourpoint Services Version: 1.2.0
Batch Processor Version: 1.6.0