pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southcentral Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0261912**
Wastewater Type	**Sewage**	APS ID	**790082**
Facility Type	**SFTF**	Authorization ID	**1197799**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**David Bard**	Facility Name	**Scooters Mountainside Tavern**
Applicant Address	4587 Chambersburg Road	Facility Address	4587 Chambersburg Road
	Biglerville, PA 17307-9531		Biglerville, PA 17307-9531
Applicant Contact	David Bard	Facility Contact	David Bard
Applicant Phone	(717) 334-4615	Facility Phone	(717) 334-4615
Client ID	298144	Site ID	255710
SIC Code	5812	Municipality	Franklin Township
SIC Description	Retail Trade - Eating Places	County	Adams
Date Application Received	August 7, 2017	WQM Required	No
Date Application Accepted	September 14, 2017	WQM App. No.	N/A

Project Description: NPDES renewal permit

Summary of Review

An application was received on August 7, 2017 for reissuance of a NPDES permit to discharge treated sewage from the small flow treatment facility (SFTF) located in Franklin Township, Adams County. The permit was last reissued on January 18, 2013 and became effective on February 1, 2013. The permit expired on January 31, 2018.

Changes in this renewal: pH & Ammonia-Nitrogen limits are recommended to be eliminated. Unit of Fecal Coliform is changed from CFU/100 ml to No./100 ml. CBOD5 is recommended to be replaced by BOD5. The flow monitoring requirements sample type was updated to “estimate”, because the “pump rate” is included in “estimated flow” definition. The standard language in Part C Conditions for SFTFs has been updated.

Based on the review outline in this fact sheet, it is recommended that the permit be drafted and published in the Pennsylvania Bulletin for public comments for 30 days.

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		Hilary H. Le / Environmental Engineering Specialist	July 30, 2019
		Daniel W. Martin, P.E. / Environmental Engineer Manager	
		Maria D. Bebenek, P.E. / Clean Water Program Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0015
Latitude	39º 53' 42.07"	Longitude	-77º 22' 45.35""
Quad Name	Caledonia Park	Quad Code	
Wastewater Description:	Sewage Effluent		
Receiving Waters	Dry Swale to Marsh Creek (CWF, MF)	Stream Code	58903
NHD Com ID	53319588	RMI	22.05 miles
Drainage Area	0.00019 square miles	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)		Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	878.24 ft	Slope (ft/ft)	
Watershed No.	13D	Chapter 93 Class.	Cold Water Fishes, Migratory Fishes
Existing Use		Existing Use Qualifier	None
Exceptions to Use		Exceptions to Criteria	None
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	**N/A**		
Source(s) of Impairment	**N/A**		
TMDL Status	**N/A**	Name	**N/A**
Nearest Downstream Public Water Supply Intake	Gettysburg Borough Municipal Authority (GBMA)		
PWS Waters	Marsh Creek	Flow at Intake (cfs)	
PWS RMI	8.2 miles	Distance from Outfall (mi)	Approximate 14.6 miles

Changes Since Last Permit Issuance: None

Drainage Area:
The discharge is to the headwater of Dry Swale to Marsh Creek at RMI 22.05 mile. A drainage area at the point of discharge is estimated to be 0.00019 square miles according to USGS StreamStats available at https://streamstats.usgs.gov/ss/.

Streamflow:
USGS StreamStats was used to estimate stream flow, and it does not produce a Q7-10 at the point of discharge given that this is the headwaters of a very small dry swale.

Dry Swale to Marsh Creek:
Under 25 Pa Code § 93.9z., all Dry Swale to Marsh Creek are designated as cold-water and migratory fishes. No special protection water(s) is impacted by this discharge. No Class A Wild Trout fishery is impacted by this discharge. DEP's latest integrated report prepared in 2016 showed Dry Swale is not impaired and the discharge is located in a stream segment listed as attaining uses.

Public Water Supply Intake:
The fact sheet prepared for the renewal permit indicated that the nearest downstream public water supply intake is Gettysburg Borough Municipal Authority located on Marsh Creek, approximately 14.6 miles from the discharge. Considering dilution, the discharge is not expected to impact the water supply.

Compliance History	
Summary of DMRs:	See the summary below.
Summary of Inspections:	No inspection has been done since last renewal process.
Other Comments:	Since the last permit, no permit violations have been identified by DEP.

A summary of the eDMR data since the last permit issuance is as follows:

The flows in excess of stated design capacity (0.0015 MGD) was noted and followed up with Mr. Zack, Consulting Engineer for Scooter Mountainside Tavern facility, via by phone with Jinsu Kim on 5/13/19. After investigating, Mr. Zack stated that the flows reported in eDMR were accumulated weekly from the pump rate (by recording the flow number on Monday and Sunday).

Parameter	Mar-19	Feb-19	Jan-19	Dec-18	Nov-18	Oct-18	Sep-18	Aug-18	Jul-18	Jun-18	May-18	Apr-18
Flow (MGD) Average Monthly Pump rate	0.0018	0.0016	0.00078	0.0019	0.0016	0.002	0.002	0.0019	0.0021	0.0019	0.002	0.0018
pH (S.U.) Minimum Grab	6.6	6.3	6.5	6.9	6.6	6.9	6.8	6.9	6.3	7.2	6.7	6.8
pH (S.U.) Maximum Grab	7.6	7.5	7.1	7.5	7.7	7.4	7.5	7.5	8.4	7.5	7.6	7.9
CBOD5 (mg/L) Average Monthly Grab	< 3.0	5.0	3.0	3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	4.0	3.0
TSS (mg/L) Average Monthly Grab	1.0	6.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0	2.0	7.0	3.0
Fecal Coliforms (CFU/100 mL) Geometric Mean Grab	< 2.0	< 1.0	< 1.0	< 2.0	< 2.0	< 1	1.0	3.0	< 1.0	< 1.0	< 21	< 21
Fecal Coliforms (CFU/100 mL) Instantaneous Max. Grab	< 2.0	< 1.0	< 1.0	< 2.0	< 2.0	< 1	1.0	3.0	< 1.0	< 1.0	222	229
Ammonia (mg/L) Average Monthly Grab	2.1	0.89	0.33	0.51	0.33	2.3	< 0.10	0.12	0.19	< 0.10	2.8	1.1

Treatment Facility Summary

The treatment system service at Scooter's Mountainside Tavern has capacity 1,500 GPD (0.0015 MGD), and consists of a two-compartment 1,500-gallon septic tank with three effluent filters, Model AdvanTex 3-Pod AX20 Module 1, with disinfection system by UV. The original WQM permit No. 0112402 was issued on Jan. 18, 2013.

Development of Effluent Limitations and Monitoring Requirements

Unless stated otherwise below, the proposed effluent limitations and monitoring requirements listed on page 4 of the Fact sheet are derived from DEP's Standard Operating Procedure (SOP) for New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications (SOP No. BPNPSM-PMT-003) revised January 13, 2015. First, all existing monitoring frequencies have been changed to reflect the requirements specified in the SOP (i.e., all average monthly codes have been modified to annual average due to WMS coding issues). This is a reasonable approach as the permittee has been submitting annual maintenance reports consistently and no significant maintenance/operation issues are found.

pH is no longer a parameter of concern for SFTFs, so the pH monitoring requirement in the previous permit has been eliminated. The reviewer has determined that no other changes to the proposed limits and/or sampling frequencies are necessary at this time.

Ammonia-Nitrogen is no longer a parameter of concern for SFTFs, so the ammonia-nitrogen monitoring requirement in the previous permit has been eliminated. The reviewer has determined that no other changes to the proposed limits and/or sampling frequencies are necessary at this time.

The reviewer notes that the existing BOD5, and TSS monitoring frequencies and limits are inconsistent with the monitoring frequencies and limits recommended in DEP SOP no. BPNPSM-PMT-003 for SFTFs. A review of the facility's eDMRs and a review of the technology on site both verify that the existing facility cannot meet the more stringent limits in the SOP without upgrading the existing facility. Therefore, the monitoring frequencies and limits from the previous permit will remain the same.

On 5/13/19, DEP contacted Mr. Craig Zack, Consulting Engineer for Scooter Mountainside Tavern facility, by phone to address the flows in excess of stated design capacity (0.0015 MGD), and Mr. Zack called back after investigating and stating the flows reported in eDMR were accumulated weekly from the pump rate (by recording the flow number on Monday and Sunday). DEP did recommend that the flow reported on eDMR shall be daily. Therefore, the monitoring frequencies and limits from proposed permit will remain the same as previous permit.

Chesapeake Bay Requirements

No nutrient monitoring requirement is recommended for this facility. Facilities that are designed based on a flow of less than or equal to 2,000 GPD or considered as SFTFs are exempt from the Bay requirements.

Total Maximum Daily Load (TMDL)

The discharge is located in a stream segment listed as attaining uses; therefore, no TMDL has been taken into consideration during this review.

Anti-Degradation Requirements

The discharge is to non-special protection waters/watershed. No HQ/EV waters are impacted by this discharge. The effluent limits for this discharge have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected.

Other Considerations

No Class A Wild Trout Fishery is impacted by this discharge. Considering dilution and distance from the intake, the discharge is not expected to affect the water supply.

Existing Effluent Limitations and Monitoring Requirements

The following are effluent limitations and monitoring requirements specified in the current permit:

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly		Minimum	Average Monthly		Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	Weekly	Pump Rate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
CBOD5	XXX	XXX	XXX	10.0	XXX	20	1/month	Grab
Total Suspended Solids	XXX	XXX	XXX	10.0	XXX	20	1/month	Grab
Fecal Coliform (CFU/100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	1/month	Grab
Ammonia-Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab

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	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/week	Estimate
BOD5	XXX	XXX	XXX	10.0	XXX	20	1/month	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	1/month	Grab

Compliance Sampling Location: Outfall 001

Other Comments:

This is a topographic map for the subject facility.