

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0058599
APS ID 1065072
Authorization ID 1399106

Applicant, Facility and Project Information

Applicant Name	<u>Piper Real Property, LLC</u>	Facility Name	<u>Piper Real Property SFSTP</u>
Applicant Address	<u>13195 Rettew Drive</u> <u>Manassas, VA 20112-7813</u>	Facility Address	<u>1824 Deep Run Road</u> <u>Pipersville, PA 18947</u>
Applicant Contact	<u>James Warner</u>	Facility Contact	<u>Cathy Febo</u>
Applicant Phone	<u>(703) 872-9266</u>	Facility Phone	<u>(215) 766-0388</u>
Client ID	<u>369334</u>	Site ID	<u>560481</u>
SIC Code	<u>8811</u>	Municipality	<u>Bedminster Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Bucks</u>
Date Application Received	<u>June 6, 2022</u>	WQM Required	<u></u>
Date Application Accepted	<u>June 6, 2022</u>	WQM App. No.	<u></u>
Project Description	<u>Permit Renewal.</u>		

Summary of Review

The applicant requests renewal of an NPDES permit to discharge 1,000 gallons per day of treated into unnamed tributary to Cabin Run from the sewage treatment plant serving a veterinarian clinic.

The veterinarian clinic generates about 200 gpd of sewage to be treated by small flow STP with discharge to a dry swale to an UNT to Cabin Run. The treatment plant consists of a pretreatment chamber, Bio Microbics Fast package plant, denitrification unit, free access sand filter, and a UV disinfection system. The discharge is in compliance with existing permit limits and is expected to be in compliance in future. The effluent limits are based on Guidelines and Regulations for Groundwater Protection. Effluent limits for all the parameters will remain the same in this permit

Act 14 Notification to Bedminster Township on May 29, 2022.
Act 14 Notification to Bucks County Commissioners on May 29, 2022

Following are effluent limits:

PARAMETER	EFFLUENT LIMIT (AV. MO in mg/l)	BASIS
CBOD5	10	Guidelines for GW Protection
Total Suspended Solids	10	Guidelines for GW Protection
Ammonia-Nitrogen	1.5	Guidelines for GW Protection
Dissolved Oxygen	6.0 minimum	BPJ
Fecal Coliform (#/100 ml)	200 #/100 ml Geo Mean	92a.47
pH (Standard Units)	6.0 to 9.0 SU	92a.47, 95.2
Total Phosphorus	1.0	Guidelines for GW Protection
Nitrate-Nitrite as N	10	Guidelines for GW Protection

Approve	Deny	Signatures	Date
X		<i>Ketan Thaker</i> Ketan Thaker / Project Manager	7/26/2022
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	07/26/2022

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>.001</u>
Latitude	<u>40° 25' 9.45"</u>	Longitude	<u>-75° 8' 38.41"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Cabin Run (CWF, MF)</u>	Stream Code	_____
NHD Com ID	<u>26030978</u>	RMI	_____
Drainage Area	_____	Yield (cfs/mi ²)	_____
Q ₇₋₁₀ Flow (cfs)	_____	Q ₇₋₁₀ Basis	_____
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	<u>2-D</u>	Chapter 93 Class.	<u>CWF, MF</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)	_____

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 Quarterly	Maximum	Instant. Maximum		
Flow (GPD)	Report	XXX	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/week	Grab
DO	XXX	XXX	6.0 Inst Min	XXX	XXX	XXX	1/week	Grab
CBOD5	XXX	XXX	XXX	10.0	XXX	20	1/quarter	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/quarter	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	1000	1/quarter	Grab
Nitrate-Nitrite	XXX	XXX	XXX	10.0	XXX	20	1/quarter	Grab
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	3.0	XXX	6	1/quarter	Grab
Ammonia May 1 - Oct 31	XXX	XXX	XXX	1.5	XXX	3	1/quarter	Grab
Total Phosphorus	XXX	XXX	XXX	1.0	XXX	2	1/quarter	Grab