

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0094315
APS ID 1096154
Authorization ID 1453635

Applicant, Facility and Project Information

Applicant Name	<u>Thomas Wiles</u>	Facility Name	<u>Pittsburgh Spay & Vaccination Clinic</u>
Applicant Address	<u>110 Sandy Creek Road</u> <u>Verona, PA 15147-1728</u>	Facility Address	<u>110 Sandy Creek Road</u> <u>Penn Hills, PA 15235</u>
Applicant Contact	<u>Thomas Wiles</u>	Facility Contact	<u>Same as applicant</u>
Applicant Phone	<u>(412) 798-8770</u>	Facility Phone	<u>Same as applicant</u>
Client ID	<u>109132</u>	Site ID	<u>241148</u>
SIC Code	<u>4952</u>	Municipality	<u>Penn Hills Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Allegheny</u>
Date Application Received	<u>August 31, 2023</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>December 5, 2023</u>	WQM App. No.	<u>0283436 A-2</u>
Project Description	<u>Renewal of an NPDES permit to discharge sewage</u>		

Summary of Review

The applicant has applied for a renewal of NPDES Permit No. PA0094315, which was previously issued by the Department on April 12, 2019. This permit is currently set to expire on April 30, 2024.

The discharge is to Sandy Creek, which is classified as a WWF located in State Watershed 18-A.

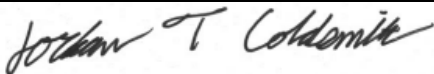

Per the previous permit, the applicant was given effluent limitation based on regional office policy at the time. This regional office policy is no longer applicable. Effluent limits and sampling frequencies were updated as to be in compliance with the *Standard Operating Procedure (SOP) for Clean Water Program New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications* (SOP No. BCW-PMT-003).

Through DMR data submitted since 2018 the permittee has shown that they are able to meet the new TSS limits. The permittee is typically reporting CBOD5 levels of <3 so they should be able to meet the new BOD limits.

Per the *Small Flow Treatment Facilities Manual* (385-2188-005), this facility does not qualify for a general permit.

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

Approve	Deny	Signatures	Date
X		 Jordan Coldsmith / Environmental Engineering Specialist	December 5, 2023
X		 Christopher Kriley, P.E. / Program Manager	December 15, 2023

Summary of Review

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° 28' 27.86"</u>	Longitude	<u>-79° 50' 58.32"</u>
Quad Name	<u>40079D7</u>	Quad Code	<u>Braddock</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Sandy Creek (WWF)</u>	Stream Code	<u>42239</u>
NHD Com ID	<u>123970730</u>	RMI	<u>1.14</u>
Drainage Area	<u>1.09</u>	Yield (cfs/mi ²)	<u>0.008</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.00879</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStat</u>
Elevation (ft)	<u>1120</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>18-A</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>NUTRIENTS</u>		
Source(s) of Impairment	<u>URBAN RUNOFF/STORM SEWERS</u>		
TMDL Status	<u></u>	Name	<u></u>
Background/Ambient Data		Data Source	
pH (SU)	<u></u>		<u></u>
Temperature (°F)	<u></u>		<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>WILKINSBURG-PENN JT WATER AUTH</u>		
PWS Waters	<u>Allegheny River (WWF)</u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u>2.05</u>

Changes Since Last Permit Issuance: None

Other Comments: N/A

Treatment Facility Summary				
Treatment Facility Name: Pittsburgh Spay & Vaccination Clinic				
WQM Permit No.		Issuance Date		
0283436		09/17/1993		
0283436 A-1		03/09/2010		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Tertiary	Aerobic	UV	0.0004
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.0004	1.02	Not Overloaded		

Changes Since Last Permit Issuance: None

Other Comments: the facility's treatment process consists of:

- Primary settling tank
- Aeration/trickling filter
- UV disinfection

Compliance History

Operations Compliance Check Summary Report

Facility: Pgh Spay & Vac Clinic SFTF

NPDES Permit No.: PA0094315

Compliance Review Period: 12/2018 – 12/2018

Inspection Summary:

INSP ID	INSPECTED DATE	INSP TYPE	AGENCY	INSPECTION RESULT DESC	INSPECTION COMMENT	UPDATE DATE
3596932	08/04/2023	Compliance Evaluation	County Health Dept	Violation(s) Noted	92A.61G AMR's have not been submitted 92A.44 Average flow exceeded, pH outside imax range	08/09/2023
3428281	08/29/2022	Compliance Evaluation	County Health Dept	No Violations Noted		
3263758	09/17/2021	Compliance Evaluation	County Health Dept	No Violations Noted		
3096710	08/28/2020	Compliance Evaluation	County Health Dept	No Violations Noted		
2896870	06/20/2019	Compliance Evaluation	County Health Dept	No Violations Noted		06/20/2019

Violation Summary:

VIOL ID	VIOLATION DATE	VIOLATION TYPE	VIOLATION TYPE DESC	RESOLVED DATE
8154535	08/04/2023	92A.44	NPDES - Violation of effluent limits in Part A of permit	08/09/2023
8154536	08/04/2023	92A.61(G)	NPDES - Failure to use a format or process required by DEP for self-monitoring results	08/09/2023

Open Violations by Client ID:

No open violations for client id 109132

Enforcement Summary:

ENF ID	ENF TYPE	ENF CREATION DATE	VIOLATIONS	ENF FINALSTATUS	ENF CLOSED DATE
418587	NOV	08/09/2023	92A.44; 92A.61(G)	Administrative Close Out	08/09/2023

DMR Violation Summary:

START	END	REPORT FREQUENCY	<u>NON-COMPLIANCE</u> CATEGORY	PARAMETER	SAMPLE	PERMIT	STATISTICAL BASE CODE
01/01/2023	06/30/2023	Semi-Annually	Load 1 Effluent Violation	Flow	0.0005	.0004	Semi-Annual Average

Compliance Status:

Permittee in compliance.

Completed by: John Murphy

Completed date: 12/12/2023

Development of Effluent Limitations

Outfall No. <u>001</u>	Design Flow (MGD) <u>.0004</u>
Latitude <u>40° 28' 27.86"</u>	Longitude <u>-79° 50' 58.32"</u>
Wastewater Description: <u>Sewage Effluent</u>	

Technology-Based Limitations

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/year
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).

Additional Considerations:

Per the previous permit, the applicant was given effluent limitation based on regional office policy at the time. This regional office policy is no longer applicable. Effluent limits and sampling frequencies were updated as to be in compliance with the *Standard Operating Procedure (SOP) for Clean Water Program New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications* (SOP No. BCW-PMT-003). This update includes the limits for TSS becoming more restrictive and for CBOD5 to be changed to BOD5. The monitoring frequency will also be updated from 1/6 months to 1/month per the SOP.

Ultraviolet (UV) disinfection is used, and therefore, Total Residual Chlorine (TRC) limits are not applicable. Current policy does not require SFTFs to monitor for UV Intensity

SFTFs/SRSTPs are not required to monitor for Total Nitrogen and Total Phosphorus in new and reissued permits.

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.

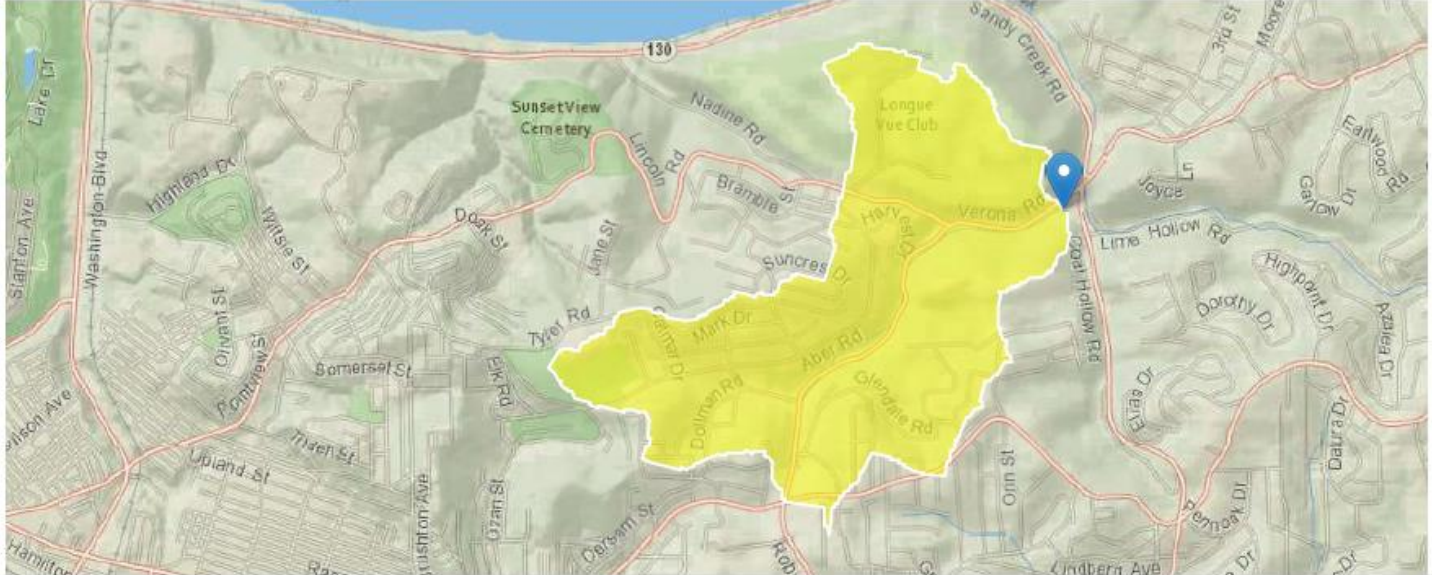
Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	0.0004	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/month	Grab

Compliance Sampling Location: Outfall 001

Other Comments: N/A

StreamStats Report

Region ID: PA
 Workspace ID: PA20231206185738248000
 Clicked Point (Latitude, Longitude): 40.47436, -79.84968
 Time: 2023-12-06 13:57:58 -0500



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Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	1.09	square miles
ELEV	Mean Basin Elevation	1120	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	1.09	square miles	2.26	1400
ELEV	Mean Basin Elevation	1120	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	0.0292	ft ³ /s
30 Day 2 Year Low Flow	0.0559	ft ³ /s
7 Day 10 Year Low Flow	0.00879	ft ³ /s

Statistic	Value	Unit
30 Day 10 Year Low Flow	0.0186	ft ³ /s
90 Day 10 Year Low Flow	0.0373	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: 4.19.1

StreamStats Services Version: 1.2.22

NSS Services Version: 2.3.2