

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SFTF

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

Application No. **PA0103543**  
APS ID **1136243**  
Authorization ID **1525055**

**Applicant, Facility and Project Information**

Applicant Name	<b>PA Historical &amp; Museum Commission</b>	Facility Name	<b>Pithole Museum</b>
Applicant Address	202 Museum Lane	Facility Address	14118 Pithole Road
Applicant Contact	Titusville, PA 16354-7658	Facility Contact	Pleasantville, PA 16341
Applicant Phone	Michael Knecht	Facility Phone	(814) 827-2797
Client ID	(814) 461-0004	Site ID	246566
SIC Code	95627	Municipality	Cornplanter Township
SIC Description	8412	County	Venango
Date Application Received	April 8, 2025	WQM Required	Previously issued – NSNMI PA0103543
Date Application Accepted		WQM App. No.	
Project Description	Renewal application for an Individual NPDES Permit for a Small Flow Treatment Facility (SFTF)		

**Summary of Review**

The permittee is requesting reissuance of Individual Permit No. PA103543 which is set to expire on November 30, 2025. The existing discharge serves a historical museum. Due to the lack of public visitation, the site historically has "no flow".

The existing facility consists of (WQM Permit No. 6169405): Two septic tank in series – one 1,500-gallon, the one 600 gallons; followed by a siphon chamber. The chamber discharges to two sand filter beds, then any effluent from the sand filter beds is piped to a chlorine contact tank with a tablet chlorination system.

Act 14 notifications were submitted and received.

No AMRs were located.

There are no open violations in WMS for the subject Client ID (95627) as of May 15, 2025.

**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		Carlee Wilson Carlee Wilson / Environmental Engineering Trainee	May 15, 2025
X		Adam Olesnanik Adam Olesnanik, P.E. / Environmental Engineer Manager	June 6, 2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0017
Latitude	41° 31' 9.25"	Longitude	-79° 34' 57.60"
Quad Name	-	Quad Code	-
Wastewater Description:	Sewage Effluent		
Receiving Waters	Pithole Creek (CWF)	Stream Code	54745
NHD Com ID	100474729	RMI	-
Drainage Area	0.000425 (dry), 25.9 (perennial)	Yield (cfs/mi <sup>2</sup> )	-
Q <sub>7-10</sub> Flow (cfs)	0 (dry) 1.3 (perennial)	Q <sub>7-10</sub> Basis	USGS StreamStats
Elevation (ft)	-	Slope (ft/ft)	-
Watershed No.	16-E	Chapter 93 Class.	CWF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
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: N/A

Other Comments:

This SFTF was designed where applicable in accordance with the SFTF Manual, but it does not qualify for coverage under the PAG-04 General Permit due to the use of septic tanks that are not considered proprietary technology with a sand filter.

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Semi-Annual Average	Maximum	Instant. Maximum		
Flow (GPD)	Report SEMI AVG	XXX	XXX	XXX	XXX	XXX	1/6 months	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
TRC	XXX	XXX	XXX	0.5 Avg Mo	XXX	1.2	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/6 months	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/6 months	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 001 – after disinfection

Other Comments: In accordance with the SOP monitoring frequencies for Flow, BOD5, TSS, and Fecal Coliform will stay 1/6months since the facility is well-maintained and was built before the SOP "Individual NPDES Small flow Sewage Treatment Facility Applications" was published. TRC limits remain the same as shown in the TRC Spreadsheet below.

## Attachment 1 eMapPA – Receiving Stream Location and Data

Map eFacts Query Advanced Query Filter Plant Source Search

ESRI Streets & Imagery Topographic National Geographic

Streets Imagery

Latitude: 41.522928 Longitude: 70.582178 PA Historic Streams (1 of 4)

Name: Pithole Creek  
Net Streams: 105256  
Shed: 16E  
Named: 1  
Rec No: 105256  
Seg ID: 54745\_6.3931\_6.857  
Seg ID Old: 54745\_6.393\_6.857  
From Node: 28427  
To Node: 28330  
Down River Mile: 6.39308  
Up River Mile: 6.857047  
WRDS: 54745  
Strahler: 4

Zoom to

Locate Latitude and Longitude

Decimal Degrees DD/MM/SS

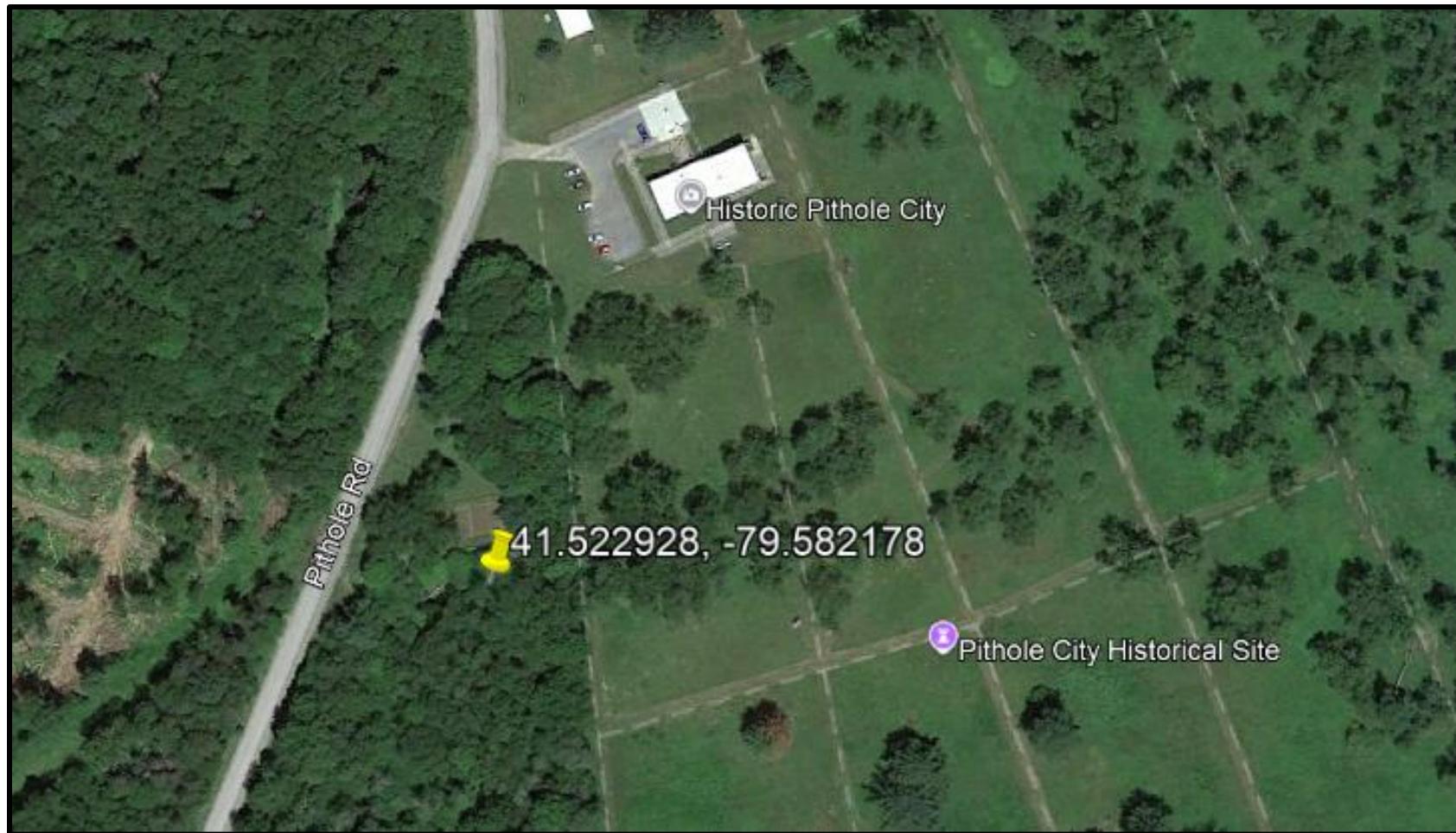
Latitude: 41 31 22.54  
Longitude: -79 34 55.84

Locate Close

0 0.1 0.2mi

Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Attachment 2  
Google Earth – Aerial Site View



Attachment 3  
TRC Spreadsheet

TRC EVALUATION							
AFC Calculations				CFC Calculations			
Source	Reference	AFC Calculations		Reference	CFC Calculations		
TRC	1.3.2.iii	WLA_afc =	157.706	1.3.2.iii	WLA_cfc =	153.743	
PENTOXSD TRG	5.1a	LTAMULT_afc =	0.373	5.1c	LTAMULT_cfc =	0.581	
PENTOXSD TRG	5.1b	LTA_afc =	58.765	5.1d	LTA_cfc =	89.379	
Effluent Limit Calculations							
PENTOXSD TRG	5.1f	AML MULT =		1.720			
PENTOXSD TRG	5.1g	AVG MON LIMIT (mg/l) =		0.500	BAT/BPJ		
		INST MAX LIMIT (mg/l) =		1.170			