

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0103543
APS ID 1001910
Authorization ID 1288755

Applicant, Facility and Project Information

Applicant Name	<u>PA Historical & Museum Commission</u>	Facility Name	<u>Pithole Museum</u>
Applicant Address	<u>202 Museum Lane</u> <u>Titusville, PA 16354-7658</u>	Facility Address	<u>14118 Pithole Road</u> <u>Pleasantville, PA 16341</u>
Applicant Contact	<u>Melissa Mann</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 827-2797</u>	Facility Phone	<u></u>
Client ID	<u>95627</u>	Site ID	<u>246566</u>
SIC Code	<u>8412</u>	Municipality	<u>Cornplanter Township</u>
SIC Description	<u>Services - Museums And Art Galleries</u>	County	<u>Venango</u>
Date Application Received	<u>August 28, 2019</u>	WQM Required	<u></u>
Date Application Accepted	<u>September 21, 2019</u>	WQM App. No.	<u></u>
Project Description	<u>Renewal of a NPDES Permit for a discharge of sewage</u>		

Summary of Review

Treatment consists of two septic tanks, dosing chamber, alternating-dose intermittent sand filters, tablet chlorination and chlorine contact tank. WQM Permit No. 6169405.

There has not been a discharge in many years due to minimal sewage generation at the site. No AMR sampling data is available.

There are currently no open violations in EFACTS (9/08/2020).

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		Adam Pesek Adam J. Pesek, E.I.T. / Environmental Engineering Specialist	September 9, 2020
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	September 11, 2020

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.00165</u>
Latitude	<u>41° 31' 22.54"</u>	Longitude	<u>-79° 34' 55.84"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Pithole Creek (CWF)</u>	Stream Code	<u>54745</u>
NHD Com ID	<u>100474729</u>	RMI	<u>6.49</u>
Drainage Area	<u>0.1 (dry), 26.2 (perennial)</u>	Yield (cfs/mi ²)	<u>0.028</u>
Q7-10 Flow (cfs)	<u>0 (dry), 0.7336 (perennial)</u>	Q7-10 Basis	<u>W. Hickory Creek near West Hickory</u>
Elevation (ft)	<u>1480</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>16-E</u>	Chapter 93 Class.	<u>Cold Water Fishes</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u></u>	Name	<u></u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	<u>Default</u>	
Temperature (°C)	<u>20</u>	<u>Default (CWF)</u>	
Hardness (mg/L)	<u></u>	<u></u>	
Other: NH ₃ -N	<u>0.1</u>	<u>Default</u>	
Nearest Downstream Public Water Supply Intake	<u>Aqua Pennsylvania, Inc. – Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u>90.0</u>	Distance from Outfall (mi)	<u>53</u>

Changes Since Last Permit Issuance:

Other Comments: Effluent limitations were developed in accordance with the Department's SOP entitled "New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications." Existing monitoring frequencies were retained in the proposed renewed permits. In accordance with that same SOP, no WQM modeling was done for this renewal as it is not needed for SFTFs (modeling was done in earlier renewals). An inclusion of a TRC limit was added based on a discharge to a dry stream (limit is needed for non-SRSTPs). The TRC Spreadsheet (attached) indicated the existing TRC effluent limits were protective of the receiving, full-flowing stream.



TRC_CALC_Pithole
Museum.pdf

Compliance History	
Summary of DMRs:	No sampling has been conducted as there has not been a discharge since this system has begun being operational in October 2015.
Summary of Inspections:	Last inspection was conducted on 9/21/2016. No major issues were reported.

Other Comments: **N/A**

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	Semi-Annual Average	Maximum	Instant. Maximum		
Flow (GPD)	Report SEMI AVG	XXX	XXX	XXX	XXX	XXX	1/6 months	Estimate
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: N/A