

Application Type New
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0285200
APS ID 1098443
Authorization ID 1457656

Applicant, Facility and Project Information

Applicant Name	<u>Pittsburgh Oratory</u>	Facility Name	<u>Pittsburgh Oratory Properties SFTF</u>
Applicant Address	<u>4450 Bayard Street</u> <u>Pittsburgh, PA 15213-1506</u>	Facility Address	<u>1685 Piper Road</u> <u>Ligonier, PA 15658</u>
Applicant Contact	<u>Matt Ketcham</u>	Facility Contact	<u>Same as applicant</u>
Applicant Phone	<u>(720) 556-7491</u>	Facility Phone	<u>Same as applicant</u>
Client ID	<u>380206</u>	Site ID	<u>867561</u>
SIC Code		Municipality	<u>Ligonier Township</u>
SIC Description		County	<u>Westmoreland</u>
Date Application Received	<u>October 5, 2023</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>October 13, 2023</u>	WQM App. No.	<u>6523403</u>
Project Description	<u>New NPDES Permit to discharge sewage</u>		

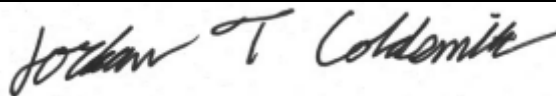

Summary of Review

The applicant is proposing to construct a 0.002MGD Small Flow Treatment Facility (SFTF).

The Discharge is to UNT to Mills Run, which is classified as Cold Water Fishes (CWF), located in watershed 18C.

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		 Jordan Coldsmith / Environmental Engineering Specialist	November 3, 2023
X		 Christopher Kriley, P.E. / Program Manager	November 9, 2023

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>.002</u>
Latitude	<u>40° 14' 49"</u>	Longitude	<u>-79° 11' 34"</u>
Quad Name	<u>Ligonier</u>	Quad Code	<u>40079B2</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Mills Run (CWF)</u>	Stream Code	<u>43704</u>
NHD Com ID		RMI	<u>1.14</u>
Drainage Area	<u>0.5</u>	Yield (cfs/mi ²)	<u>0.0364</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.0182</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStats</u>
Elevation (ft)	<u>1523</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>18-C</u>	Chapter 93 Class.	<u>CWF</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	<u>Final</u>	Name	<u>Kiskiminetas-Conemaugh River Watersheds TMDL</u>
Background/Ambient Data		Data Source	
pH (SU)			
Temperature (°F)			
Hardness (mg/L)			
Other:			
Nearest Downstream Public Water Supply Intake	<u>LATROBE MUNI AUTH</u>		
PWS Waters	<u>Loyalhanna Creek (TSF)</u>	Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	<u>11.6</u>

Changes Since Last Permit Issuance: N/A. First Permit Issuance

Other Comments: None

Treatment Facility Summary				
Treatment Facility Name: Pittsburgh Oratory Properties SFTF				
WQM Permit No.		Issuance Date		
6523403		Under Department Review		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Tertiary	Septic	UV	0.002
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.002	0.9	Not Overloaded		

Changes Since Last Permit Issuance: N/A. New Permit Issuance

Other Comments: WQM Permit No. 6523403 is currently under department review. It approves the construction of a SFTF with an annual rated design flow of 0.002 MGD. The treatment process consists of:

- Septic Tanks
- Two Ecoflo Coco Filter EC7-1350-P-P
- Two Norweco model AT 1500 UV Disinfection System.

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** .002
Latitude 40° 14' 49.00" **Longitude** -79° 11' 34.00"
Wastewater Description: Sewage Effluent

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).

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 (GPD)	Report	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 Geo Mean	XXX	XXX	1/month	Grab

Compliance Sampling Location: Outfall 001

Other Comments: 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 are not required to monitor for Total Nitrogen and Total Phosphorus in new and reissued permits.

The receiving stream is not impaired for nutrients.

StreamStats Report

Region ID: PA
 Workspace ID: PA20231107175548950000
 Clicked Point (Latitude, Longitude): 40.24691, -79.19280
 Time: 2023-11-07 12:56:11 -0500



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Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.5	square miles
ELEV	Mean Basin Elevation	1523	feet
PRECIP	Mean Annual Precipitation	43	inches

Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 3]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.5	square miles	2.33	1720
ELEV	Mean Basin Elevation	1523	feet	898	2700
PRECIP	Mean Annual Precipitation	43	inches	38.7	47.9

Low-Flow Statistics Disclaimers [Low Flow Region 3]

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 3]

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.0487	ft ³ /s
30 Day 2 Year Low Flow	0.0733	ft ³ /s
7 Day 10 Year Low Flow	0.0182	ft ³ /s
30 Day 10 Year Low Flow	0.0271	ft ³ /s