

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0035670
APS ID 1037288
Authorization ID 1351437

Applicant, Facility and Project Information

Applicant Name	<u>PA DOT Maintenance & Operations Bureau</u>	Facility Name	<u>PA DOT Kiskiminetas Township Satellite Maintenance Bldg</u>
Applicant Address	<u>400 North Street 6th Floor Harrisburg, PA 17120</u>	Facility Address	<u>Jackson Road Kiskiminetas Twp, PA 16201</u>
Applicant Contact	<u>Gary Sahd, Consultant,</u>	Facility Contact	<u>Ryan Succheralli, Dist Roadside Spclst</u>
Applicant Phone	<u>(717) 886-5395</u>	Facility Phone	<u>724-357-2833</u>
Applicant E Mail	<u>c-nsahd@pa.gov</u>	Facility E Mail	<u>rsuccheral@pa.gov</u>
Client ID	<u>189304</u>	Site ID	<u>241600</u>
Municipality	<u>Kiskiminetas Township</u>	County	<u>Armstrong</u>
SIC Code	<u>4173</u>	SIC Code	<u>4952</u>
SIC Description	<u>Trans. & Utilities-Bus Terminal & Service Facilities</u>	SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>
Date Application Received	<u>March 31, 2021</u>	WQM Required	<u>Present permit is adequate</u>
Date Application Accepted	<u>May 26, 2021</u>	WQM App. No.	<u>366-S-028</u>
Project Description	<u>NPDES renewal</u>		

Summary of Review

No open violations. Application by Johnathan Fleming, Division Chief, Maintenance Technical Leadership Division. *There are several open violations in WMS for Client ID 189304 under the Storage Tank and Clean Water Programs for other facilities in various parts of the state. The Draft Permit Cover Letter will notify the permittee of the open violations and provide them an opportunity to address the violations prior to final permit issuance. 11/20/2023 CWY*

This is an insignificant minor discharge to the Roaring Run segment of the January 29, 2020 Kiskiminetas-Conemaugh River Watersheds mining TMDL.

Septage was last removed on April 13, 2021.

Semiannual monitoring was previously proposed and continued.

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*

Approve	Deny	Signatures	Date
X		<i>William H. Mentzer</i> William H. Mentzer, P.E. Environmental Engineering Specialist	November 1, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. Environmental Engineer Manager	11/20/2023

Summary of Review

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>.0005</u>
Latitude DP	<u>40° 34' 18.00"</u>	Longitude DP	<u>-79° 31' 43.00"</u>
Latitude NHD	<u>40° 34' 18.48"</u>	Longitude NHD	<u>-79° 31' 42.26"</u>
Quad Name	<u>Vandergrift</u>	Quad Code	<u>1409</u>
Wastewater Description: <u>Treated shop domestic wastes</u>			
Receiving Waters	<u>Rattling Run</u>	Stream Code	<u>43051</u>
NHD Com ID	<u>125290648</u>	RMI	<u>0.8200</u>
Drainage Area	<u>14.04</u>	Yield (cfs/mi ²)	<u>0.16</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.65</u>	Q ₇₋₁₀ Basis	<u></u>
Elevation (ft)	<u>1065.10</u>	Slope (ft/ft)	<u>0.005051</u>
Watershed No.	<u>18-B</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u>statewide</u>	Existing Use Qualifier	<u>none</u>
Exceptions to Use	<u>none</u>	Exceptions to Criteria	<u>none</u>
Comments	<u>Earlier measured RMI was 0.78</u>		
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u>Final</u>	Name	<u>Kiskiminetas-Conemaugh River TMDL</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>Buffalo Township Municipal Authority</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u>18.8</u>

Changes Since Last Permit Issuance: none

Other Comments: none

Kiskiminetas River Basin

There is a TMDL for metals in the Kiskiminetas River watershed. This facility is considered a “Negligible Discharge Facility” as identified in Appendix C of the Kiskiminetas-Conemaugh River Watershed TMDL, and the aggregate WLAs were based on the sum of the available information regarding flow from each facility multiplied by the applicable numeric water quality criterion. There is no reason to believe this facility will be discharging at concentrations higher than assumed to develop the aggregate waste load allocation that was inclusive in the TMDL for minor sewage treatment facilities. The contribution for metals from a sewage plant of this nature is expected to be less than water quality criteria and therefore not contributing to stream impairment. The proposed permit does not require monitoring for total iron, total manganese and total aluminum.

Treatment

WQM Permit 366S028 issued August 31, 1966.

Facilities: 750-gallon septic tank, 18x30-foot subsurface sand filter, sodium hypo-chlorination with a 250-gallon contact tank.

Grandfathered treatment system based on then current but now obsolete Health Department design standards. Continued acceptance is largely based on NPDES permit compliance.

	Month	Year	Influent				Effluent					
			Discharge MGD	Min	Ave	Max	#	Min	Ave	Max	#	
Annual Average Design			0.000									
Annual average		2018	0.000									
		2019	0.000									
		2020	0.000									
Highest Monthly Average	January	2020	0.000									
pH								6.5			6.6	12
TRC									< 0.8		< 1.0	6
Fecal Coliform									< 14		< 30	6
CBOD5								< 3.0	< 3.0		< 3.0	6
TSS								< 5.0	< 5.0		< 5.0	6
Ammonia N								< 1.5	< 1.5		< 1.5	6

SFTF Monitoring Frequencies

Although the Department’s current SOP recommends monitoring frequencies be set at 1/month, the SOP also states that an existing facility that has been well maintained may roll over less stringent monitoring requirements for SFTF’s. For this reason, monitoring once every six months will be re-imposed.

CBOD5 and TSS Limits

Although the Department’s current SOP recommends tertiary treatment limits, the SOP also states that an existing facility that is not capable of meeting those limits and has no documented compliance concerns may roll over less stringent limits for SFTF’s. For this reason, the limits established in precious permits will be re-imposed. 11/20/2023 CWY

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 (MGD)	0.0005	XXX	XXX	XXX	XXX	XXX	1/6 months	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/6 months	Grab
TRC	XXX	XXX	XXX	0.5	XXX	1.6	1/6 months	Grab
CBOD5	XXX	XXX	XXX	25.0	XXX	50.0	1/6 months	Grab
TSS	XXX	XXX	XXX	30.0	XXX	60.0	1/6 months	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000	XXX	10000	1/6 months	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200	XXX	1000	1/6 months	Grab
Ammonia	XXX	XXX	XXX	25.0	XXX	50.0	1/6 months	Grab

Compliance Sampling Location: Outfall 001 after disinfection