

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0254355
APS ID 1028914
Authorization ID 1336915

Applicant, Facility and Project Information

Applicant Name	<u>Patricia Varner</u>	Facility Name	<u>Comanche 9 SRSTP</u>
Applicant Address	<u>1776 Lambertsville Road</u> <u>Stoystown, PA 15563-8208</u>	Facility Address	<u>435 Comanche Lane</u> <u>Stoystown, PA 15563-8900</u>
Applicant Contact	<u>Patricia Varner</u>	Facility Contact	<u>Same as Applicant</u>
Applicant Phone	<u>(814) 267-5923</u>	Facility Phone	<u>Same as Applicant</u>
Client ID	<u>325953</u>	Site ID	<u>735163</u>
SIC Code	<u></u>	Municipality	<u>Indian Lake Borough</u>
SIC Description	<u></u>	County	<u>Somerset</u>
Date Application Received	<u>December 17, 2020</u>	WQM Required	<u></u>
Date Application Accepted	<u>December 18, 2020</u>	WQM App. No.	<u></u>
Project Description	<u>Application for Renewal of an NPDES Permit.</u>		

Summary of Review

The permittee has applied for a renewal of NPDES Permit No. PA0254355. NPDES Permit No. PA0254355 was previously issued by the PA Department of Environmental Protection (DEP) on May 10, 2016 and expires on June 30, 2021.

The existing STP consists of a 1050-gallon septic tank, underground Ecoflo STB-650 Biofilter, 300-gallon chlorine contact tank with tablet chlorinator, and outfall sewer.

Per current policy, effluent limitations and monitoring requirements listed on page 4 of this Fact Sheet, at a minimum, will be established for individual SRSTP permit renewals. The limitations 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.

The applicant does not use eDMR and current policy does not require eDMR to be used for SRSTPs

Sewage discharges with design flows < 2,000 gpd do not require monitoring for Total Nitrogen and Total Phosphorus in new and reissued permits.

Technology-based effluent limits for pH will be imposed based upon State Regulation 95.2(1).

Approve	Deny	Signatures	Date
X		<i>Stephanie Conrad</i> Stephanie Conrad / Environmental Engineering Specialist	February 23, 2021
X		<i>Christopher Kriley</i> Christopher Kriley, P.E. / Program Manager	March 8, 2021

Summary of Review

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.

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>0.0004 MGD</u>
Latitude	<u>40° 1' 53"</u>	Longitude	<u>-78° 51' 38"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Rhoads Creek (CWF)</u>	Stream Code	<u>45762</u>
NHD Com ID	<u>123716711</u>	RMI	<u>0.14</u>
Drainage Area	<u>0.43</u>	Yield (cfs/mi ²)	<u>0.0523</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.0225</u>	Q ₇₋₁₀ Basis	<u>USGS Stream Stats</u>
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	<u>18-E</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	_____	Exceptions to Criteria	_____
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>METALS, PH, TOTAL SUSPENED SOLIDS, AND TURBIDITY</u>		
Source(s) of Impairment	<u>ACID MINE DRAINAGE</u>		
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>Hooversville Municipal Authority</u>		
PWS Waters	<u>Stony Creek River</u>	Flow at Intake (cfs)	_____
PWS RMI	_____	Distance from Outfall (mi)	_____

Changes Since Last Permit Issuance: None

Other Comments: This facility discharges to the Kiskiminetas-Conemaugh River Watersheds. This Watershed has a Final TMDL and is impaired by metals. Abandoned mine drainage is a source of such impairment. This sewage discharge is not expected to contribute to the stream impairment. No WLAs have been developed for this sewage discharge, and they are not expected to contribute to the stream impairment for these pollutants. No monitoring requirements for Total Iron, Total Manganese and Total Aluminum will be imposed on this facility.

Compliance History	
Summary of AMRs:	Between 2/26/2016 and 2/26/2020, the facility has complied with submittal of Annual Maintenance Reports (AMR. There were no reported effluent limit violations reported.
Summary of Inspections:	The facility received a compliance evaluation on 6/22/2017 (inspection ID 2606869). The inspection did not result in any violations and there are no reported enforcements against this facility.

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.

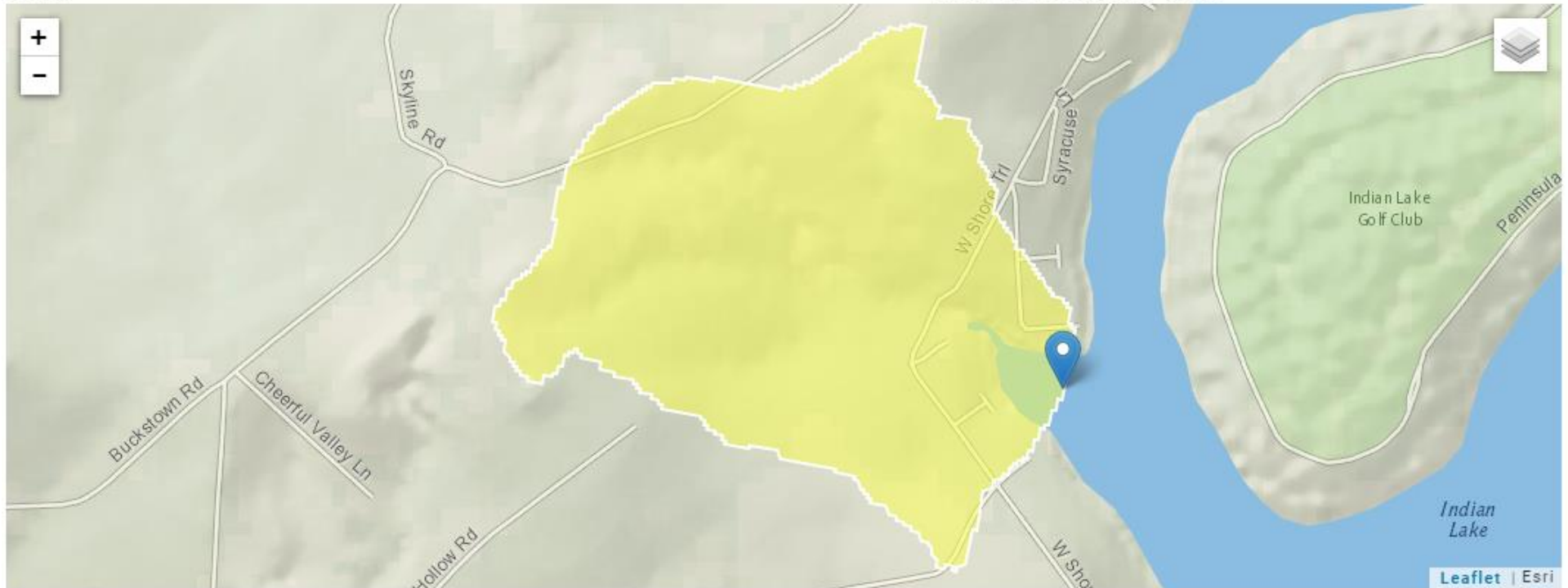
Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
Total Residual Chlorine (TRC)	XXX	XXX	XXX	Report Avg Mo	XXX	XXX	1/month	Grab
Biochemical Oxygen Demand (BOD5)	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200.0	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall #001

StreamStats Report

Region ID:
Workspace ID:
Clicked Point (Latitude, Longitude):
Time:

PA
PA20210305155349191000
40.03696, -78.87868
2021-03-05 10:54:10 -0500



Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.43	square miles
ELEV	Mean Basin Elevation	2404	feet
PRECIP	Mean Annual Precipitation	43	inches

Low-Flow Statistics Parameters_(Low Flow Region 3)

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.43	square miles	2.33	1720
ELEV	Mean Basin Elevation	2404	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	0.0591	ft ³ /s
30 Day 2 Year Low Flow	0.0861	ft ³ /s
7 Day 10 Year Low Flow	0.0225	ft ³ /s
30 Day 10 Year Low Flow	0.0312	ft ³ /s
90 Day 10 Year Low Flow	0.0474	ft ³ /s