pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northcentral Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0232742**
Wastewater Type	**Sewage**	APS ID	**1028564**
Facility Type	**SRSTP**	Authorization ID	**1336344**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**Anthony & Patricia Fiamingo**	Facility Name	**Anthony & Patricia Fiamingo SRSTP**
Applicant Address	175 Sugar Branch Road	Facility Address	175 Sugar Branch Road
	Troy, PA 16947-9201		Troy, PA 16947-9201
Applicant Contact	Patricia Fiamingo	Facility Contact	Patricia Fiamingo
Applicant Phone	(570) 404-2192	Facility Phone	(570) 404-2192
Client ID	326870	Site ID	814711
SIC Code	4952	Municipality	Sullivan Township
SIC Description	Trans. & Utilities - Sewerage Systems	County	Tioga
Date Application Received	December 10, 2020	WQM Required	No
Date Application Accepted	December 24, 2020	WQM App. No.	N/A

Project Description: Application for the renewal of the existing individual NPDES permit.

Summary of Review

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		*Jonathan P. Peterman* Jonathan P. Peterman / Project Manager	April 5, 2021
X		*Nicholas W. Hartranft* Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	April 5, 2021

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	41º 49' 37.84"	Longitude	-76º 54' 59.32""
Quad Name	Roseville	Quad Code	0430
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary of Elk Run (TSF, MF)	Stream Code	23796
NHD Com ID	57350997	RMI	0.2200
Drainage Area	N/A	Yield (cfs/mi^2)	N/A
Q_{7-10} Flow (cfs)	N/A	Q_{7-10} Basis	N/A
Elevation (ft)	N/A	Slope (ft/ft)	N/A
Watershed No.	04A	Chapter 93 Class.	Trout Stocking, Migratory Fishes
Existing Use	None.	Existing Use Qualifier	N/A
Exceptions to Use	N/A	Exceptions to Criteria	N/A
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	N/A		
Source(s) of Impairment	N/A		
TMDL Status	Final	Name	Tioga River

Changes Since Last Permit Issuance: None.

Other Comments: The discharge occurs via perforated pipe to a lined aggregate diffuser channel, daylighting to an unnamed tributary to Sugar Branch Lake. Sugar Branch Lake is unique in that flows may be restricted to the lake with no outfall, flows may discharge to west to Elk Creek (TSF) or flows may overflow east to Sugar Creek (TSF).

Due to the potential for zero discharge from the lake, oxygenation of the discharge may be limited and measures are prudent to protect public health uses of the lake (swimming, boating) consistent with the Planning authorization 15-257 issued October 1, 2015.

Treatment Facility Summary

Treatment System
The individual components are as follows:
- One (1) 1,000 gallon dual compartment septic tank.
- One (1) Effluent filter.
- One (1) Orenco Advantex AX20RTUV treatment tank.
- One (1) UV Disinfection System.
- One (1) Outfall.

TMDL Impairment

The Department's Geographic Information System (GIS) shows this segment Unnamed Tributary to Elk Run is attaining it's use. Therefore, no TMDL has been considered during this review.

Chesapeake Bay Requirements

Facilities that are designed based on a flow of less than 2,000 GPD (400 GPD design flow for this facility) are not a part of Pennsylvania's Chesapeake Bay Tributary Strategy. Accordingly, it is not practicable to require the permittee to perform nutrient monitoring under this program.

Anti-Backsliding

In accordance with 40 CFR 122.44(l)(1) and (2), this permit does not contain effluent limitations, standards, or conditions that are less stringent than the previous permit.

Existing Effluent Limitations and Monitoring Requirements

Existing Limits – Outfall 001

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 (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	1/year	Grab
Biochemical Oxygen Demand (BOD5)	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab

The existing effluent limits for Outfall 001 are based on a design flow of 0.0004 MGD.

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) and/or BPJ.

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 (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	1/year	Grab
Biochemical Oxygen Demand (BOD5)	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab

The proposed effluent limits for Outfall 001 are based on a design flow of 0.0004 MGD.

Development of Effluent Limitations and Monitoring Frequency

BOD_5 (10 mg/L) and TSS (10mg/L) are technology-based limits stipulated in the *Technical Guidance for the Development and Specification of Effluent Limitations* (362-0400-001). Additionally, since a discharge to stagnant or slow moving waters is proposed, these effluent limits are identical to the advanced treatment standards provided in the dry stream guidance *Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers (391-2000-014)* for the protection of public health where reoxygenation capacity of the receiving waters is limited.

Based on Best professional judgment (BPJ), yearly monitoring for nutrients was conducted given the results of the Sugar Branch Lake Assessment dated 1/27/16. This assessment indicates that the lake is not currently impaired, and that further surveying is required. The Orenco Advantex AX20RTUV unit is utilized for treatment. This unit has the capability to treat nutrients based on document AHO-ATX-PERF-TN-1. Monitoring for these nutrients will enable the Department to collect data for use in future permit development as well as the overall treatment ability of this system and will remain.

40 CFR Section 133.102 provides the basis of effluent limitations for pH. The fecal coliform limits correspond with 25 PA Code § 92a.47 (a)(4). The system is equipped with UV disinfection. No monitoring is required for UV disinfection systems at SRSTPs. All of the monitoring frequencies sample types correspond with the policies and procedures for SRSTP's in lieu of the *Technical Guidance for the Development and Specification of Effluent Limitations* (362-0400-001).

Compliance Review / History

Summary of Inspections -The most recent Clean Water Program inspections for this facility was conducted on 12/3/2020. Annual Maintenance Reports (AMR) are being submitted. The inspection noted no violations and that the AMR for reporting period June 01, 2019 to May 31, 2020 was received by the Department on 06/23/2020.

WMS Query Summary - A WMS Query was run at *Reports - Violations & Enforcements – Open Violations for Client Report* to determine whether there are any unresolved violations associated with the client that will affect issuance of the permit (per CSL Section 609). This query revealed no open violations.