pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southwest Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0219371**
Wastewater Type	**Sewage**	APS ID	**780766**
Facility Type	**SRSTP**	Authorization ID	**1375183**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**Van Scoyoc Frank & Leona**	Facility Name	**Van Scoyoc SRSTP**
Applicant Address	7480 Primrose Drive	Facility Address	156 Coal Bank Road
	Mentor On The Lake, OH 44060-3352		Dysart, PA 16636
Applicant Contact	Frank Van Scoyoc	Facility Contact	Thomas Levine P.E.
Applicant Phone	(440) 257-3344	Facility Phone	N/A
Client ID	203577	Site ID	559693
SIC Code	8800	Municipality	Dean Township
SIC Description	Private Households	County	Cambria
Date Application Received	November 4, 2021	WQM Required	No
Date Application Accepted	November 5, 2021	WQM App. No.	

Project Description: Renewal of NPDES permit for a treated sewage effluent.

Summary of Review

The permittee has applied for a renewal of NPDES Permit No. PA0219371. NPDES Permit No. PA0219371 was previously issued by the PA Department of Environmental Protection (DEP) on July 13, 2017. That permit expires on July 31, 2022.

The existing treatment process consists of a 1,000 gallon capacity septic tank, an Ecoflo peat based biofilter followed by a 500 gallon lift tank containing a Goulds Model No. 3885 pump with a flow rate of 25 gpm at 16.75 TDH, a tablet chlorinator installed in a 300 gallon concrete tank, and a 475 gallon chlorine tank.

The treatment plant built with Ecoflo/Falling Spring Technologies recommended a replacement of the peat moss on an 8 year cycle. Influent flow must not be conveyed to the sewage treatment plant during the time the peat moss is removed and replaced. The permittee is recommended to monitor the first startup of the plant after the peat replacement for the flush of the colored effluent just to ensure it will be gradually operating within normal conditions, and to keep the staining period to the minimum.

The compliance report provided by the Operations doesn't include any open violations, and the Data Monitoring Reports (DMRs) for 2017-2021 showed neither limit exceedance nor violations to our preset monitoring frequencies.

Act 537 Planning was approved for this project on June 10, 2002.

The Act – 14 PL 834 Municipal Notification were provided by the October 20, 2021 letters, and no comments were received.

Approve	Deny	Signatures	Date
X		Hazim Aldalli / Environmental Engineering Specialist	February 1, 2022
x		Mahbuba Iasmin / Mahbuba Iasmin, Ph.D., P.E. / Environmental Engineer Manager	February 1, 2022

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, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	40º 35' 57.53"	Longitude	-78º 30' 52.11"
Quad Name	Ashville	Quad Code	40078E5
Wastewater Description:	Sewage Effluent		
Receiving Waters	Drainage Swale tributary to Clearfield Creek	Stream Code	26107
NHD Com ID	61837687	RMI	0.058
Drainage Area	0.06	Yield (cfs/mi^2)	0.035
Q_{7-10} Flow (cfs)	0.00212	Q_{7-10} Basis	USGS StreamStats
Elevation (ft)	1613.36	Slope (ft/ft)	0.062
Watershed No.	8-C	Chapter 93 Class.	WWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	METALS		
Source(s) of Impairment	ACID MINE DRAINAGE		
TMDL Status	Final	Name	Clearfield Creek

Background/Ambient Data		Data Source
pH (SU)		
Temperature (°F)		
Hardness (mg/L)		
Other:		

Nearest Downstream Public Water Supply Intake	DEAN TWP - SOUTH DYSART SYSTEM		
PWS Waters		Flow at Intake (cfs)	
PWS RMI	0.94	Distance from Outfall (mi)	1.19

Changes Since Last Permit Issuance: No changes been notified or located.

Other Comments:

Compliance History

Facility: Van Scoyoc SRSTP

NPDES Permit No.: PA0219371

Compliance Review Period: 11/2016 – 11/2021

Inspection Summary:

INSP ID	INSPECTED DATE	INSP TYPE	AGENCY	INSPECTION RESULT DESC
3168807	03/30/2021	Administrative/ File Review	PA Dept of Environmental Protection	No Violations Noted
3110523	11/17/2020	Compliance Evaluation	PA Dept of Environmental Protection	No Violations Noted

Violation Summary:

No violations

Open Violations by Client ID:

No open violation for client ID 203577

Enforcement Summary:

No enforcements

DMR Violation Summary:

No DMR exceedances

Compliance Status:

Permittee is in compliance with Clean Water

Completed by: John Murphy

Completed date: 11/10/2021

Other Comments:

Development of Effluent Limitations

Outfall No.	001	**Design Flow (MGD)**	0.0004
Latitude	40º 35' 57.53"	**Longitude**	-78º 30' 52.11"

Wastewater Description: Sewage Effluent

Technology-Based Limitations (TBELs)

The following effluent limitations and monitoring requirements, at a minimum, will be established in all new and renewed SRSTP 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).

Additional Considerations:

BOD_5, TSS, and Fecal Coliform limitations were imposed based upon the Department's SOP – New and Reissuance Individual SRSTP NPDES Permits.

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

BOD_5 limitations were imposed instead of $CBOD_5$ which reflect the most stringent limitation amongst the Technology-Based Effluent Limitations and based upon the Department's SOP – New and Reissuance Individual SRSTP NPDES Permits, and per DEP Small Flow Treatment Facilities Manual (Nov. 2003).

According to SOP No. BCW-PMT-003 revised on May 17, 2019, effluent limits and monitoring requirements are established on page 6 of this fact sheet. No new Ammonia-nitrogen (NH_3-N) limits and monitoring will be imposed on this renewal cycle. Sampling frequency for all parameters is 1/year (excluding for TRC which will be 1/month) which is consistent with the Department's SOP - New and Reissuance of SFTF Individual NPDES Permit Applications.

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

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

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.

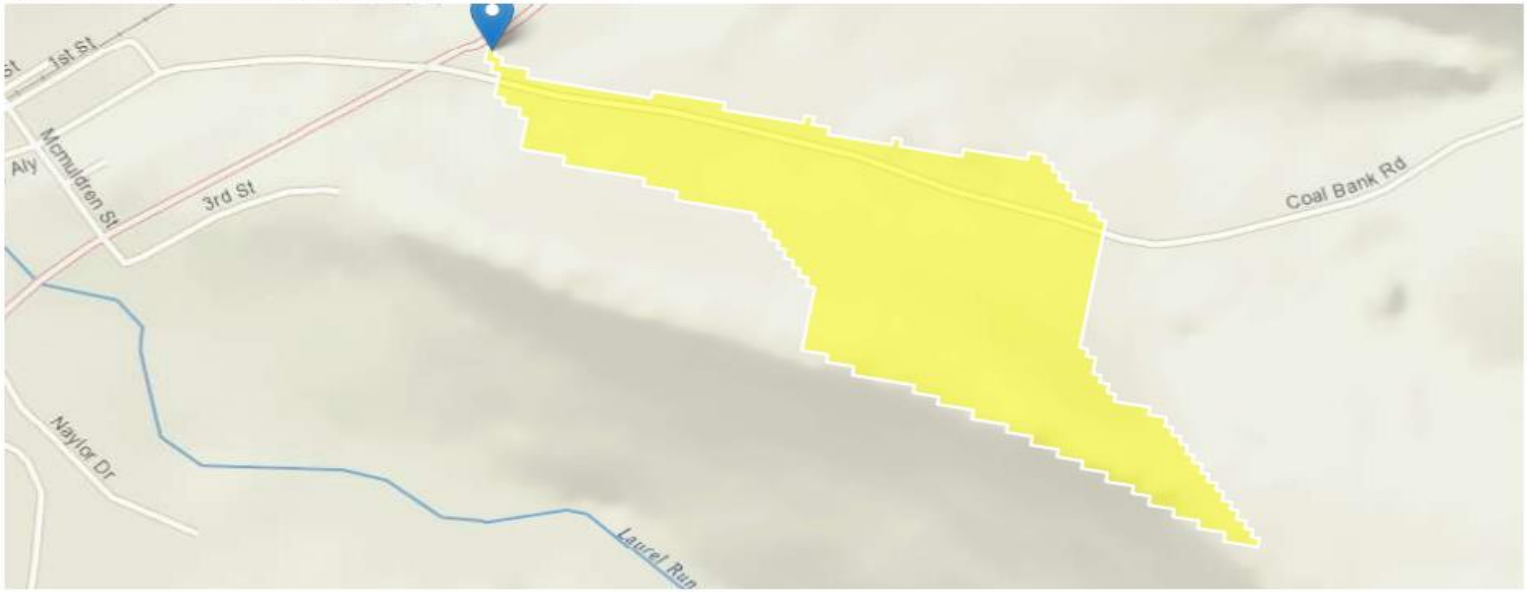
Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Yearly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/year	Grab
TRC	XXX	XXX	XXX	Report Avg Mo	XXX	Report	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/year	Grab

Compliance Sampling Location:

Other Comments:

StreamStats Report

Region ID: PA
Workspace ID: PA20211109153634196000
Clicked Point (Latitude, Longitude): 40.59723, -78.51132
Time: 2021-11-09 10:36:54 -0500



Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0597	square miles
ELEV	Mean Basin Elevation	1791	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	0.0597	square miles	2.33	1720
ELEV	Mean Basin Elevation	1791	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	0.0063	ft^3/s
30 Day 2 Year Low Flow	0.00972	ft^3/s
7 Day 10 Year Low Flow	0.00212	ft^3/s
30 Day 10 Year Low Flow	0.00321	ft^3/s
90 Day 10 Year Low Flow	0.00501	ft^3/s

Low-Flow Statistics Citations

Stuckey, M.H.,2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (http://pubs.usgs.gov/sir/2006/5130/)