

Application Type Renewal
 Facility Type Non-Municipal
 Major / Minor Minor

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

Application No. PA0255408 A-1
 APS ID 1097891
 Authorization ID 1456747

Applicant, Facility and Project Information

Applicant Name	<u>Lydia R Sargent</u>	Facility Name	<u>Sargent Properties SRSTP</u>
Applicant Address	<u>419 Patsy Drive</u> <u>Gibsonia, PA 15044-8939</u>	Facility Address	<u>419 Patsy Drive</u> <u>Gibsonia, PA 15044-8939</u>
Applicant Contact	<u>Lydia Sargent</u>	Facility Contact	<u>Same as Applicant</u>
Applicant Phone	<u>(724) 504-8741</u>	Facility Phone	<u>Same as Applicant</u>
Client ID	<u>380096</u>	Site ID	<u>566</u>
SIC Code	<u>8800</u>	Municipality	<u>Pine Township</u>
SIC Description	<u>Private Households</u>	County	<u>Allegheny</u>
Date Application Received	<u>October 2, 2023</u>	WQM Required	<u>Yes, transfer application</u>
Date Application Accepted	<u>October 10, 2023</u>	WQM App. No.	<u>0218402 T-1</u>
Purpose of Application	<u>Application for renewal of a NPDES Permit for discharge of treated sewage effluent.</u>		

Summary of Review

The Department received an application for the renewal of the NPDES Permit No. PA0255408 A-1, this permit was previously issued by the Department on June 4, 2018 and expired on June 30, 2023.

The Department received a transfer application for the WQM Permit No. 0218402 T-1 by the applicant, this permit was issued on February 9, 2024.

WQM Permit No. 0218402 was issued on June 4, 2018 and authorized construction of the sewage treatment facility to replace a mal function onlot facility with a hydraulic design capacity of 0.0004 MGD.



The WQM Permit approved the construction of sewage facilities consisting of:

- A Norweco Singulair Bio-Kinetic Model 960-500 Aerobic Unit,
- A Norweco Hydro-Kinetic Bio-Film Reactor,
- And a Norweco Bio-Dynamic Model LF 1000 Chlorine Tablet Feeder.

This facility is discharging to a private discharge pipe on the owner's property, the discharge is to an UNT of Montour Run, which is classified as at TSF located in the State Watershed 18-A. The discharge pipe from the SRSTP is connected to a Township owned catch basin, which ultimately discharges to an UNT of Montour Run.

The compliance report provided by Operations has one open violation (not paying the annual fee), Central Office closed the open violation on January 29, 2024, and no other compliance issues exists.

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

Approve	Deny	Signatures	Date
X		 Hazim Aldalli / Environmental Engineering Specialist	February 27, 2024
X		 Christopher Kriley, P.E. / Program Manager	February 29, 2024

Summary of Review

The Act – 14 PL 834 Municipal Notification were provided by the September 28, 2023 letters and no comments were received.

Permit issuance is recommended.

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.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>40° 38' 1.47"</u>	Longitude	<u>-79° 59' 44.59"</u>
Quad Name	<u>Valencia</u>	Quad Code	<u>40079F8</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Montour Run (TSF)</u>	Stream Code	<u>42181</u>
NHD Com ID	<u>123973400</u>	RMI	<u>0.56</u>
Drainage Area	<u>0.0956</u>	Yield (cfs/mi ²)	<u>0.0047</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.000452</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStats</u>
Elevation (ft)	<u>1191</u>	Slope (ft/ft)	<u>0.002</u>
Watershed No.	<u>18-A</u>	Chapter 93 Class.	<u>TSF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u>None.</u>	Exceptions to Criteria	<u>None.</u>
Assessment Status	<u>Impaired; Attaining (Aquatic Life, Recreational)</u>		
Cause(s) of Impairment	<u>PATHOGENS</u>		
Source(s) of Impairment	<u>SOURCE UNKNOWN</u>		
TMDL Status	<u>Final</u>	Name	<u>Pine Creek Watershed</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>Duquesne Light Company-Brunot Island</u>		
PWS Waters	<u>Ohio River</u>	Flow at Intake (cfs)	<u>4730</u>
PWS RMI	<u>39.0</u>	Distance from Outfall (mi)	<u>>25.0</u>

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

Other Comments: None.

Compliance History

Operations Compliance Check Summary Report

Facility: Sargent Properties SRSTP

NPDES Permit No.: PA0255408

Compliance Review Period: 10/2018 – 10/2023

Inspection Summary:

INSP ID	INSPECTE D DATE	INSP TYPE	AGENCY	INSPECTION RESULT DESC	UPDATE DATE
36314 28	09/06/20 23	Administrative/Fi le Review	PA Dept of Environmental Protection	Violation(s) Noted	10/19/202 3
35568 77	05/12/20 23	Compliance Evaluation	County Health Dept	Violation(s) Noted	05/19/202 3
29091 75	07/18/20 19	Compliance Evaluation	County Health Dept	No Violations Noted	

Violation Summary:

VIOL ID	VIOLATI ON DATE	VIOLATION TYPE DESC	RESOLV ED DATE	INSP ID	INSP TYPE	INSPECTOR
81623 35	09/06/20 23	NPDES - Failure to pay annual fee		36314 28	Administrative/F ile Review	OPILA, TAMI
99551 3	05/12/20 23	NPDES - Failure to submit NPDES renewal application at least 180 days prior to expiration or later approved date	05/19/20 23	35568 77	Compliance Evaluation	TODARO, PETER

Open Violations by Client ID:

No Clean Water open violations for Client ID 269602

Enforcement Summary:

ENF ID	ENF TYPE	ENF CREATION DATE	# OF VIOLATION S	ENF FINALSTATUS	ENF CLOSED DATE	ENF CREATED BY
4209 07	NOV	10/19/2023	1			TAMI, OPILA
4160 40	NOV	05/19/2023	1	Administrative Close Out	05/19/20 23	PETER, TODARO

DMR Violation Summary:

None found

Compliance Status:

Open violation for non-submittal of annual fee. This violation originated in central office and they will have to determine status and close out if payed.

Completed by: John Murphy

Completed date: 10/31/2023

Development of Effluent Limitations

Outfall No. <u>001</u>	Design Flow (MGD) <u>0.0004</u>
Latitude <u>40° 37' 55.00"</u>	Longitude <u>-79° 59' 49.00"</u>
Wastewater Description: <u>Treated Sewage Effluent</u>	

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).

Additional Considerations:

BOD₅, 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).

BOD₅ limitations were imposed instead of CBOD₅ 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. 2023).

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. Sampling frequency for all parameters is 1/year (excluding for TRC which will be 1/month), which is consistent with the Department’s SOPs for individual SRSTP NPDES Permits and Table 6-3 of DEP’s Technical Guidance for the Development and Specification of Effluent Limitations.

Per DEP’s SOP- *New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications SOP No. BCW-PMT-003-Revised on May 17, 2019*, under Section IV.F.1 the receiving water has a final TMDL. Checking on the individual Waste Load Allocation (WLA), this facility was not listed in Table6-4 on page 81 of the TMDL Final document. No limits or monitoring will be imposed for this renewal.

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

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" (386-0400-001), SOPs and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

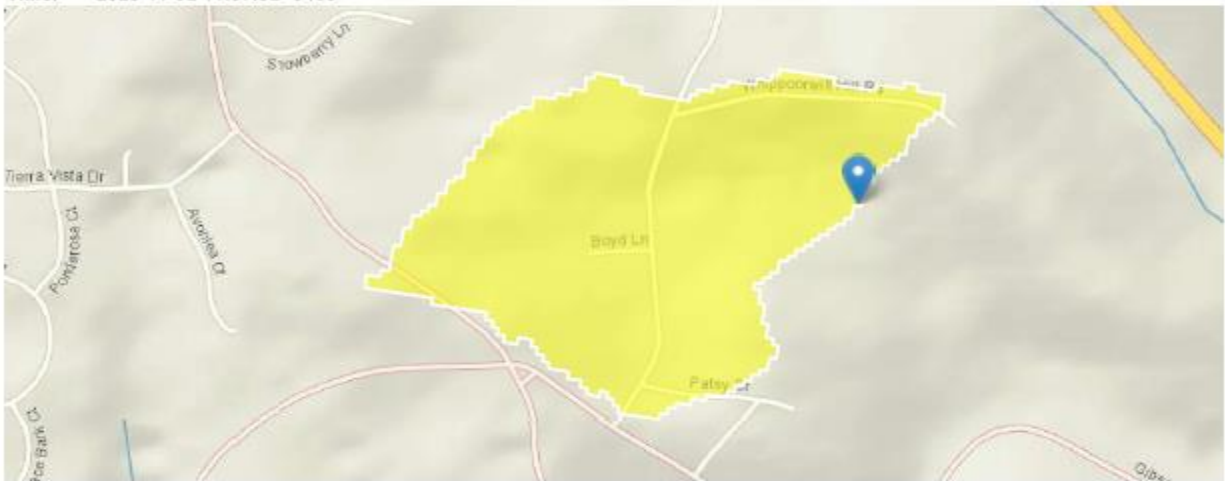
Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
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	XXX	1/year	Grab

Compliance Sampling Location: At the sampling port located on the Sheet No. 1 of 4 page 18 of the renewal application.

Other Comments: None.

StreamStats Report_Sargent Properties SRSTP

Region ID: PA
 Workspace ID: PA20231102150708571000
 Clicked Point (Latitude, Longitude): 40.63573, -79.99806
 Time: 2023-11-02 11:07:32 -0400



Collapse All

Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
DRNAREA	Area that drains to a point on a stream	0.0956	square miles
ELEV	Mean Basin Elevation	1191	feet

Low-Flow Statistics

Low-Flow Statistics Parameters [Low Flow Region 4]

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0956	square miles	2.26	1400
ELEV	Mean Basin Elevation	1191	feet	1050	2580

Low-Flow Statistics Disclaimers [Low Flow Region 4]

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 4]

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.00192	ft ³ /s
30 Day 2 Year Low Flow	0.00414	ft ³ /s

Statistic	Value	Unit
7 Day 10 Year Low Flow	0.000452	ft ³ /s
30 Day 10 Year Low Flow	0.00115	ft ³ /s
90 Day 10 Year Low Flow	0.00264	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/>)

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Application Version: 4.18.1

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

