

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0255238
APS ID 1045681
Authorization ID 1365595

Applicant, Facility and Project Information

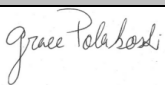

Applicant Name	<u>Lawrence Gregory</u>	Facility Name	<u>Gregory SRSTP</u>
Applicant Address	<u>286 McClay Road</u> <u>Washington, PA 15301</u>	Facility Address	<u>286 McClay Road</u> <u>Washington, PA 15301</u>
Applicant Contact	<u>Lawrence Gregory</u>	Facility Contact	<u>Same as Applicant</u>
Applicant Phone	<u>724-228-4991</u>	Facility Phone	<u>Same as Applicant</u>
Client ID	<u>332590</u>	Site ID	<u>820008</u>
SIC Code	<u>8800</u>	Municipality	<u>Canton Township</u>
SIC Description	<u>Private Households</u>	County	<u>Washington</u>
Date Application Received	<u>August 11, 2021</u>	WQM Required	<u>No (already issued)</u>
Date Application Accepted	<u>August 18, 2021</u>	WQM App. No.	<u>6316409</u>
Project Description	<u>Renewal of an NPDES Permit for the discharge of treated sewage from an existing SRSTP</u>		

Summary of Review

The applicant has applied for a renewal of NPDES Permit No. PA0255238 which was previously issued by the department on May 10, 2017 and will expire on May 31, 2022. The renewal application was submitted to the Department well in advance of the expiration date. The NPDES renewal Permit will take effect on June 1, 2022.

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.

Approve	Deny	Signatures	Date
X		 Grace Polakoski, E.I.T. / Environmental Engineering Specialist	August 27, 2021
X		 James Vanek, P.E. / Environmental Engineer Manager	September 28, 2021

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° 11' 35.71"</u>	Longitude	<u>-80° 18' 55.63"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Chartiers Creek (WWF)</u>	Stream Code	<u>37127</u>
NHD Com ID	<u>99694512</u>	RMI	<u>0.8300</u>
Drainage Area	<u>0.0393 sq. mi.</u>	Yield (cfs/mi ²)	<u>0.0004</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.000158</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStats</u>
Elevation (ft)	<u>1217</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>20-F</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>NUTRIENTS</u>		
Source(s) of Impairment	<u>SOURCE UNKNOWN</u>		
TMDL Status	<u>Final, Final</u>	Name	<u>Chartiers Creek, Chartiers 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></u>			
PWS Waters	<u></u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u></u>

Changes Since Last Permit Issuance:

Other Comments: See attached StreamStats Report.

The discharge is to UNT of Chartiers Creek which flows into Chartiers Creek that has a Final TMDL and is impaired by PCB and Chlordane. No WLAs have been developed for this sewage discharge and they are not expected to contribute to the stream impairment for these pollutants.

The discharge is to UNT of Chartiers Creek which flows into the Chartiers Creek Watershed that has a Final TMDL and is impaired by metals and pH. This sewage discharge is not expected to contribute to the stream impairment for which abandoned mine drainage is source of such impairment. No WLAs have been developed for this sewage discharge and they are not expected to contribute to the stream impairment for these pollutants.

Treatment Facility Summary				
Treatment Facility Name: Gregory SRSTP				
WQM Permit No.		Issuance Date		
6316409		May 10, 2017		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Tertiary	Septic Tank	UV	0.0004
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.0004		Not Overloaded	Septic Tank	Other WWTP

Changes Since Last Permit Issuance: N/A - New Permit Issuance.

Other Comments: WQM Permit No. 6316409, issued by the Department on May 10, 2017, authorized the construction of an SRSTP with a hydraulic design capacity of 0.0004 MGD. The treatment process consists of:

- One (1) Norweco Singulair Model 960-500 septic tank
- One (1) Salcor 3G ultra-violet unit

Compliance History

This facility has an outstanding violation. A Notice of Violation has been issued by Division of Operations. The Violation must be resolved before the Department can issue the Final NPDES Permit.

Development of Effluent Limitations

Outfall No. <u>001</u>	Design Flow (MGD) <u>0.0004</u>
Latitude <u>40° 11' 35.71"</u>	Longitude <u>-80° 18' 55.63"</u>
Wastewater Description: <u>Sewage Effluent</u>	

Technology-Based Limitations

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:

For SFTFs/SRSTPs with UV disinfection systems, it is not necessary to require UV intensity or transmittance monitoring in this permit.

SFTFs/SRSTPs are not required to monitor for Total Nitrogen and Total Phosphorus in new and reissued permits.

StreamStats Report

Region ID: PA
 Workspace ID: PA20210927181731197000
 Clicked Point (Latitude, Longitude): 40.19353, -80.31478
 Time: 2021-09-27 14:17:51 -0400



Basin Characteristics				
Parameter Code	Parameter Description	Value	Unit	
DRNAREA	Area that drains to a point on a stream	0.0393	square miles	
ELEV	Mean Basin Elevation	1292	feet	

Low-Flow Statistics Parameters [Low Flow Region 4]					
Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.0393	square miles	2.26	1400

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
ELEV	Mean Basin Elevation	1292	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	0.000748	ft ³ /s
30 Day 2 Year Low Flow	0.00168	ft ³ /s
7 Day 10 Year Low Flow	0.000158	ft ³ /s
30 Day 10 Year Low Flow	0.000435	ft ³ /s
90 Day 10 Year Low Flow	0.00106	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: 4.6.2
StreamStats Services Version: 1.2.22
NSS Services Version: 2.1.2