

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0266159
APS ID 497714
Authorization ID 1336567

Applicant, Facility and Project Information

Applicant Name	<u>Christina & Greg Gress</u>	Facility Name	<u>Gress SRSTP</u>
Applicant Address	<u>8504 Cumberland Highway</u> <u>Chambersburg, PA 17201</u>	Facility Address	<u>8446 Cumberland Hgwy</u> <u>Chambersburg, PA 17201</u>
Applicant Contact	<u>Christina Gress</u> <u>717-729-1999</u>	Facility Contact	<u>Christina Gress</u> <u>717-729-1999</u>
Applicant Phone	<u>(cgress@grahammedicalclinic.com)</u>	Facility Phone	<u>(cgress@grahammedicalclinic.com)</u>
Client ID	<u>213885</u>	Site ID	<u>624089</u>
SIC Code	<u>4952</u>	Municipality	<u>Letterkenny Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Franklin</u>
Date Application Received	<u>December 15, 2020</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>December 23, 2020</u>	WQM App. No.	<u>N/A</u>
Project Description	<u>NPDES Renewal.</u>		

Summary of Review

This report supports the reissuance of an NPDES permit for discharge of treated sewage from the existing single residence sewage treatment plant (SRSTP) owned/operated by Greg and Christina Gress. The permit was issued as a General Permit (PAG043710) on November 18, 2003 and then converted into an individual permit on December 22, 2015. The individual permit became effective on January 1, 2016 and expired on December 31, 2020.

Based on the review, it is recommended that the permit be drafted.

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		<i>Jinsu Kim</i> Jinsu Kim / Environmental Engineering Specialist	February 1, 2021
		Daniel W. Martin, P.E. / Environmental Engineer Manager	
		Maria D. Bebenek, P.E. / Program Manager	

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	0.0004
Latitude	40° 2' 14.00"	Longitude	77° 38' 49.00"
Quad Name	Roxbury	Quad Code	1824
Wastewater Description:	Sewage Effluent		
Receiving Waters	Lehman Run	Stream Code	10700
NHD Com ID	56410493	RMI	0.58
Drainage Area	11.3 mi ²	Yield (cfs/mi ²)	0.0178
Q ₇₋₁₀ Flow (cfs)	0.202	Q ₇₋₁₀ Basis	USGS StreamStats
Elevation (ft)	629	Slope (ft/ft)	
Watershed No.	7-B	Chapter 93 Class.	WWF, MF
Existing Use	None	Existing Use Qualifier	none
Exceptions to Use	None	Exceptions to Criteria	none
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Carlisle Borough Municipal Authority		
PWS Waters	Conodoguinet Creek	Flow at Intake (cfs)	
PWS RMI	35.95	Distance from Outfall (mi)	47.08

Drainage Area

The discharge is to Lehman Run at RM 0.58. A drainage area upstream of the point of discharge is estimated to be 11.3 sq.mi. according to USGS StreamStats available at <https://streamstats.usgs.gov/ss/>.

Streamflow

USGS StreamStats produced a Q₇₋₁₀ flow of 0.202 cfs at the point of discharge.

Lehman Run

25 Pa Code Chapter 93 does not specifically identify Lehman Run. Muddy Run is a main steam and the entire basin of Muddy Run is designated as warm water fishes and supports migratory fishes under Chapter 93. No special protection water is therefore impacted by this discharge. No Class A Wild Trout Fishery is impacted by this discharge. Based on DEP's 2020 integrated water quality report, the discharge is located within a stream segment listed as attaining uses.

Public Water Supply Intake

According to the fact sheet developed for the last permit issuance, the nearest downstream public water supply intake is Carlisle Borough located on the Conodoguinet Creek approximately 47 miles from the discharge. Given the distance and nature, the discharge is not expected to impact the water supply.

Compliance History

Summary of DMRs:	No AMRs are available for review. Operations Section is aware of this issue and issued a Notice of Violation letter on February 18, 2020.
Summary of Inspections:	2/12/2020: Brandon Bettinger, DEP Water Quality Specialist, conducted a routine inspection and discovered that the facility failed to properly operate and maintain the treatment facility and failed to conduct sampling required by the permit. There is no open violation associated with this facility or permittee.

Treatment Facility Summary

The facility is located in Letterkenny Township, Franklin County. The treatment system which serves a single residence (500 GPD) consists of a 970-gallon two (2) compartment septic tank with an effluent filter, a STB-650 Ecoflo peat filter, a 200-gallon chlorine contact tank with tablet chlorinator and the outfall.

Development of Effluent Limitations and Monitoring Requirements

The proposed effluent limitations and monitoring requirements are derived from DEP's Standard Operating Procedure (SOP) for New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications (SOP No. BPNPSM-PMT-003). Based on the proposed requirements, the permittee will no longer be required to monitor for pH.

Facilities that are designed based on a flow of less than 2,000 GPD or considered as SRSTPs are exempt from the Bay requirements. Accordingly, it is not necessary for the permittee to perform nutrient monitoring.

No Class A Wild Trout Fishery is impacted by this discharge.

Existing Effluent Limitations and Monitoring Requirements

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/year	Estimate
pH	XXX	XXX	6.0	XXX	XXX	9.0	1/month	Grab
Total Residual Chlorine	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
CBOD5	XXX	XXX	XXX	10	XXX	20	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	10	XXX	20	1/year	Grab
Fecal Coliform (CFU/100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/year	Grab

Proposed Effluent Limitations and Monitoring Requirements

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Annual Average	Daily Maximum	Minimum	Annual Average	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/year	Estimate
Total Residual Chlorine	XXX	XXX	XXX	Report Average Monthly	XXX	XXX	1/month	Grab
CBOD5	XXX	XXX	XXX	10	XXX	20	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	10	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab