

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0263800  
APS ID 1030351  
Authorization ID 1339511

**Applicant, Facility and Project Information**

Applicant Name	<u>Billy L. Morgan</u>	Facility Name	<u>Billy L. Morgan SRSTP</u>
Applicant Address	<u>392 Palmer Road</u> <u>Butler, PA 16001-8439</u>	Facility Address	<u>392 Palmer Road</u> <u>Butler, PA 16001-8439</u>
Applicant Contact	<u>Billy Morgan</u>	Facility Contact	<u>Billy Morgan</u>
Applicant Phone	<u>(724) 496-1324</u>	Facility Phone	<u>(724) 496-1134</u>
Client ID	<u>283633</u>	Site ID	<u>733457</u>
SIC Code	<u>8811</u>	Municipality	<u>Center Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Butler</u>
Date Application Received	<u>December 18, 2020</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>September 8, 2021</u>	WQM App. No.	<u>-</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</u>		

**Summary of Review**

The application involves the renewal of an Individual NPDES permit for a 400 gpd single residence sewage treatment system.

Act 14 – Proof of notification was submitted and received.

The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

I. OTHER REQUIREMENTS

- |   |                                 |
|---|---------------------------------|
| A. AMRs                                 | F. Stormwater into Sewers       |
| B. DMRs                                 | G. Right of Way                 |
| C. Depth of Septage and Scum Management | H. Solids Handling              |
| D. Septic Tank Pumping                  | I. Public Sewerage Availability |
| E. Chlorine Optimization                |                                 |

SPECIAL CONDITIONS: None

Treatment consists of (WQM Permit No. 1010405) Treatment consists of a 1250-gallon septic tank with effluent filter, 1000-gallon dosing tank, three Puro-Flow peat bio-filters in parallel, and UV disinfection. Plant was completed in 5/05/2011.

Sludge use and disposal description and location(s): Septage must be pumped and hauled off-site by a septage hauler for land application under a general permit authorized by DEP or disposal at an STP.

There are no open violations in WMS for the subject client ID (283633) as of 07/20/2022.

Approve	Deny	Signatures	Date
X		Jonathan F. Bucha Jonathan F. Bucha / Project Manager	July 20, 2022
X		Adam J. Pesek for Justin C. Dickey, P.E. / Environmental Engineer Manager	July 27, 2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>40° 53' 15.4"</u>	Longitude	<u>-79° 52' 42.8"</u>
Quad Name	<u>Mount Chestnut</u>	Quad Code	<u>1106</u>
Wastewater Description: <u>Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Connoquenessing Creek</u>	Stream Code	<u>34025</u>
NHD Com ID	<u>126220919</u>	RMI	<u>48.53</u>
Drainage Area	<u></u>	Yield (cfs/mi <sup>2</sup> )	<u>0.001</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0</u>	Q <sub>7-10</sub> Basis	<u>Dry Stream</u>
Elevation (ft)	<u>1035</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>20-C</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>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u></u>	Name	<u></u>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u></u>
Temperature (°F)	<u>25</u>	Default (WWF)	<u></u>
Hardness (mg/L)	<u></u>		<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>PA American Water Company – Ellwood District</u>		
PWS Waters	<u>Connoquenessing Creek</u>	Flow at Intake (cfs)	<u>67</u>
PWS RMI	<u>0.2</u>	Distance from Outfall (mi)	<u>38.5</u>

Changes Since Last Permit Issuance: Closer PWS Intake became operational.

Other Comments: This treatment system is capable of meeting effluent requirements.

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.

<b>Compliance History</b>	
<b>Summary of DMRs:</b>	AMRs are submitted annually. Effluent sampling results taken in October, 2020 for BOD5, TSS, and Fecal Coliform are (9.3 mg/L, 14.0 mg/L, and 4.0 Colony/100 mL) respectively. Septic tank was pumped on 3/5/2020.
<b>Summary of Inspections:</b>	An inspection occurred on 10/7/2020, where the septic tank and dosing tank were both inspected and pumped. A new UV light was installed on 10/7/2020.

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001 after disinfection.

Other Comments: Flow is monitor only based on Chapter 92a.61. The limits for BOD5, Total Suspended Solids, and Fecal Coliform are BPJ technology-based on the Departments SFTF manual. The limits for pH are technology-based on Chapter 93.7 and the monitoring frequency has been established as "upon request" due to WWF stream designation.