

Application Type New
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0288047
APS ID 1009541
Authorization ID 1302100

Applicant, Facility and Project Information

Applicant Name	<u>Mary Waggoner</u>	Facility Name	<u>Mary Waggoner SFTF</u>
Applicant Address	<u>PO Box 332</u> <u>Lyndora, PA 16045-0332</u>	Facility Address	<u>256 Timblin Road</u> <u>Butler, PA 16001</u>
Applicant Contact	<u>Mary Waggoner</u>	Facility Contact	<u>Mary Waggoner</u>
Applicant Phone	<u>(724) 282-0399</u>	Facility Phone	<u>(724) 282-0399</u>
Client ID	<u>354634</u>	Site ID	<u>839229</u>
SIC Code	<u>6513</u>	Municipality	<u>Clay Township</u>
SIC Description	<u>Fin, Ins & Real Est - Apartment Building Operators</u>	County	<u>Butler</u>
Date Application Received	<u>January 8, 2020</u>	WQM Required	<u>yes</u>
Date Application Accepted	<u>January 16, 2020</u>	WQM App. No.	<u>1020401</u>
Project Description	<u>Small flow treatment facility to service existing apartment building.</u>		

Summary of Review

The project involves the installation of a new single residence sewage treatment plant to replace an existing malfunctioning onlot system for a 4-unit apartment building.

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 REQUIRMENTS

- | | |
|---|---------------------------------|
| 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

Proposed treatment will consist of (WQM Permit No. 1020401): two new 1,500 gallon dual compartment septic tanks in series with a Zabel A300 effluent filter on outlet of the second septic tank, a 500 gallon pump tank with a pump, a distribution box, two Premier Tech EC7-1050-P-P Coco filters in parallel, and a Salcor 3G UV unit, where the treated effluent will discharge on the owners property into wetlands to Muddy Creek (HQ, CWF).

There are no open violations in WMS for the subject client ID (354634) as of 1/29/2020.

Approve	Deny	Signatures	Date
X		Jonathan F. Bucha / Civil Engineer Trainee	
X		Justin C. Dickey, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0016</u>
Latitude	<u>40° 58' 4.79"</u>	Longitude	<u>-79° 56' 5.01"</u>
Quad Name	<u>Mount Chestnut</u>	Quad Code	<u>1106</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Muddy Creek (HQ-CWF)</u>	Stream Code	<u>34081</u>
NHD Com ID	<u>126221056</u>	RMI	<u>19.3</u>
Drainage Area	<u>7.78</u>	Yield (cfs/mi ²)	<u>0.014</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.109</u>	Q ₇₋₁₀ Basis	<u>Streamstats</u>
Elevation (ft)	<u>1212</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>20C</u>	Chapter 93 Class.	<u>High Quality Waters - Cold Water Fishes</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>METALS, METALS</u>		
Source(s) of Impairment	<u>ACID MINE DRAINAGE, SURFACE MINING</u>		
TMDL Status	<u>-</u>	Name	<u>-</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>Moraine State Park Water System</u>		
PWS Waters	<u>Muddy Creek</u>	Flow at Intake (cfs)	<u>-</u>
PWS RMI	<u>9.45</u>	Distance from Outfall (mi)	<u>9.85</u>

Changes Since Last Permit Issuance: N/A

Other Comments: N/A

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.

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 Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (GPD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/month	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 technology-based on Chapter 92a.47. The limits for pH are technology-based on Chapter 93.7 and the monitoring frequency has been established as "upon request" due to CWF stream designation.