

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0239763
APS ID 564106
Authorization ID 1307601

Applicant, Facility and Project Information

Applicant Name	<u>Collins Reffner</u>	Facility Name	<u>Collins Reffner SRSTP</u>
Applicant Address	<u>406 Keck Road</u> <u>Butler, PA</u>	Facility Address	<u>406 Keck Road</u> <u>Butler, PA 16002</u>
Applicant Contact	<u>Collin Reffner</u>	Facility Contact	<u>Collin Reffner</u>
Applicant Phone	<u>(724) 283-8849</u>	Facility Phone	<u>(724) 283-8849</u>
Client ID	<u>243661</u>	Site ID	<u>631209</u>
SIC Code	<u>6500</u>	Municipality	<u>Summit Township</u>
SIC Description	<u>Real Estate</u>	County	<u>Butler</u>
Date Application Received	<u>March 2, 2020</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>March 5, 2020</u>	WQM App. No.	<u>-</u>
Project Description	<u>Renewal for an SRSTP NPDES permit.</u>		

Summary of Review

The permit is for the renewal of a 400-gallon per day single residence sewage treatment plant for a 3-bedroom home.

A part II Water Quality Management permit is not required at this time.

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

The existing treatment consists of (WQM Permit No. 1005406-A1): A Norweco Singulair Green Model 960-500 aerobic unit consisting of a pretreatment chamber, an aeration chamber, a 1,00 gallon pump tank, a Norweco Eco-Flo STB-650 peat bio-filter, and a Salcor 3G UV light disinfection unit.

There are no open violations in WMS for the subject client ID (354869) as of 4/7/2020.

Approve	Deny	Signatures	Date
X		Jon F. Bucha Jonathan F. Bucha / Civil Engineer Trainee	4/7/2020
X		Justin C. Dickey Justin C. Dickey, P.E. / Environmental Engineer Manager	4/9/2020

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0004</u>
Latitude	<u>40° 51' 55"</u>	Longitude	<u>-79° 48' 10"</u>
Quad Name	<u>Saxonburg</u>	Quad Code	<u>40079G7</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Bonnie Brook (WWF)</u>	Stream Code	<u>35139</u>
NHD Com ID	<u>126221587</u>	RMI	<u>4.7</u>
Drainage Area	<u>0.93 mi²</u>	Yield (cfs/mi ²)	<u>0.0083</u>
Q ₇₋₁₀ Fl w (cfs)	<u>0.0077</u>	Q ₇₋₁₀ Basis	<u>Streamstats</u>
Elevation (ft)	<u>-</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>20-C</u>	Chapter 93 Class.	<u>Warm 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>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>-</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>Beaver Falls Municipal Authority</u>		
PWS Waters	<u>Beaver River</u>	Flow at Intake (cfs)	<u>561</u>
PWS RMI	<u>3.5</u>	Distance from Outfall (mi)	<u>54.5</u>

Changes Since Last Permit Issuance: pH has been included as a limit parameter to be monitored "upon request" as per the SFTF SOP.

Other Comments: This SRSTP is capable of meeting effluent limits.

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	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 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.