

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SFTF

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

Application No. PA0228931  
APS ID 1028053  
Authorization ID 1335411

**Applicant, Facility and Project Information**

Applicant Name	<u>Kathy D Weaver &amp; Robert L Martin</u>	Facility Name	<u>Weaver &amp; Martin SRSTP</u>
Applicant Address	<u>2495 Valley View Road</u> <u>Bellefonte, PA 16823-8849</u>	Facility Address	<u>2495 Valley View Road</u> <u>Bellefonte, PA 16823-8849</u>
Applicant Contact	<u>Kathleen Weaver</u>	Facility Contact	<u>Kathleen Weaver</u>
Applicant Phone	<u>(814) 574-9995</u>	Facility Phone	<u>(814) 574-9995</u>
Client ID	<u>242123</u>	Site ID	<u>657442</u>
SIC Code	<u>6514</u>	Municipality	<u>Benner Township</u>
SIC Description	<u>Fin, Ins &amp; Real Est - Dwelling Operators, Except Apartments</u>	County	<u>Centre</u>
Date Application Received	<u>December 1, 2020</u>	WQM	<u>1405404, previously issued in 2005</u>
Date Application Accepted	<u>December 14, 2020</u>	WQM App. No.	<u>n/a</u>
Project Description	<u>Renewal of existing NPDES permit for a single residence sewage treatment plant (SRSTP).</u>		

**Summary of Review**

The above permittee has submitted an NPDES renewal application for their existing discharge from a single residence sewage treatment plant (SRSTP) located at the above address in Benner Township, Centre County. The outfall is to a drainage swale and ultimately to an UNT to Buffalo Run (HQ-CWF). A stone riprap is present from the outfall termination pipe end to the edge of the water line of the stream. The 0.0004 MGD SRSTP consists of 1,000-gallon two compartment septic tank, a Zabel Model A300 effluent filter and associated dosing tank and pump, a 200 cubic foot ECOFLO peat biofilter, and ultraviolet (UV) disinfection. The treatment facilities were previously approved under Water Quality Management (WQM) Permit No. 1405404.

Unless otherwise noted, all applicable Department Standard Operating Procedures (SOPs) were followed during the review of this application.

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		<i>Chad A. Fabian</i> Chad A. Fabian / Project Manager	January 14, 2021
X		<i>Nicholas W. Hartranft, P.E.</i> Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	January 15, 2021

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0004</u>
Latitude	<u>40° 52' 27.25"</u>	Longitude	<u>-77° 52' 14.11"</u>
Quad Name	<u>Julian</u>	Quad Code	<u>1222</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Buffalo Run (HQ-CWF)</u>	Stream Code	<u>22980</u>
NHD Com ID	<u>67179440</u>	RMI	<u>0.72</u>
Drainage Area	<u>0</u>	Yield (cfs/mi <sup>2</sup> )	<u>n/a</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0</u>	Q <sub>7-10</sub> Basis	<u>Drainage swale</u>
Elevation (ft)	<u>1140</u>	Slope (ft/ft)	<u>n/a</u>
Watershed No.	<u>9-C</u>	Chapter 93 Class.	<u>HQ-CWF</u>
Existing Use	<u>HQ-CWF</u>	Existing Use Qualifier	<u>n/a</u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>None</u>
Assessment Status	<u>Attaining Use(s)</u>		
Nearest Downstream Public Water Supply Intake	<u>Approximately 101 miles downstream on the West Branch Susquehanna River</u>		

Changes Since Last Permit Issuance: None

Compliance History	
<b>Summary of AMRs:</b>	In lieu of monthly DMRs, the permittee is required to submit Annual Maintenance Reports (AMRs), which are applicable to SRSTPs. With limited access to the office due to threat of COVID 19, a detailed review of the most recent AMR was not completed. However, sample results provided in the renewal applications for fecal coliforms were reported to be less than 1 CFU/100ml.
<b>Summary of Inspections:</b>	The most recent inspection performed by the Department was on 8/31/2018. No violations were found during the inspection. No impact on the stream was observed. The inspection notes that AMRs have been submitted and were reviewed.

**Existing and 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	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/year	Grab

Compliance Sampling Location: 001

The above proposed effluent limitations and monitoring frequencies are the same as in the existing NPDES permit. The effluent limitations are technology based effluent limitations per the Department's SOP for reissuance of SRSTPs. Per the respective SOP, no water quality modeling was conducted nor is there any need to monitor for UV intensity.

It is recommended that the draft permit be sent as described above.