

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0233447  
APS ID 1093789  
Authorization ID 1449047

**Applicant, Facility and Project Information**

Applicant Name	<u>Leonard D &amp; Susan R Mumma</u>	Facility Name	<u>Leonard D &amp; Susan R Mumma SRSTP</u>
Applicant Address	<u>1400 Amosite Road</u> <u>Bainbridge, PA 17502-9591</u>	Facility Address	<u>9440 Buffalo Road</u> <u>Mifflinburg, PA 17844-7864</u>
Applicant Contact	<u>Susan Mumma</u>	Facility Contact	<u>Susan Mumma</u>
Applicant Phone	<u>(717) 419-7175</u>	Facility Phone	<u>(717) 419-7175</u>
Client ID	<u>378918</u>	Site ID	<u>866217</u>
SIC Code	<u>4952</u>	Municipality	<u>West Buffalo Township</u>
SIC Description	<u>Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Union</u>
Date Application Received	<u>July 28, 2023</u>	WQM Required	<u>Yes, application submitted</u>
Date Application Accepted	<u>August 11, 2023</u>	WQM App. No.	<u>6023401</u>

Project Description Two bedroom house with malfunctioning septic system. A Premier Tech Aqua Ecoflo Coco Biofilter EC7-600-P-P SFTF is proposed as a repair. This SFTF will discharge treated effluent into Rapid Run via 4 inch pipe outfall.

**Summary of Review**

The above applicant has submitted NPDES and WQM applications for the construction and operation of a new Single Residence Sewage Treatment Plant (SRSTP) for a single residence owned by the applicant in West Buffalo Township, Union County. The proposed SRSTP will replace an existing malfunctioning on lot system. Sewage Planning for the project was approved by the Department April 27, 2023.

The design and construction of the facilities will be approved under Water Quality Management Permit No. 6023401, which will be simultaneously issued with the final NPDES permit authorizing the proposed discharge. The system will be a 400 gallon per day Premier Tech Aqua EcoFlo Coco filter system with UV disinfection. A full description of the treatment system will be in the WQM Internal Review and Recommendations (IRR). The discharge will be to Rapid Run, which is classified as High Quality-Cold Water Fishes (HQ-CWF) by the Department's Chapter 93 Regulations.

Unless otherwise noted, all applicable DEP Standard Operation Procedures (SOP) were followed during the review of the applications.

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*

Approve	Deny	Signatures	Date
X		<i>Chad A. Fabian</i> Chad A. Fabian / Project Manager	October 12, 2023
X		<i>Nicholas W. Hartranft, P.E.</i> Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	October 16, 2023

**Summary of Review**

*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.

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0004</u>
Latitude	<u>40° 58' 44.67"</u>	Longitude	<u>-77 ° 3' 31.96"</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Rapid Run (HQ-CWF, MF)</u>	Stream Code	<u>6254</u>
NHD Com ID	<u>66920619</u>	RMI	<u>0.0800</u>
Watershed No.	<u>10-C</u>	Chapter 93 Class.	<u>HQ-CWF, MF</u>
Assessment Status	<u>Attaining Use(s)</u>		

Compliance History	
<b>Summary of DMRs:</b>	This is a proposed new facility, so there are not any annual inspection reports that have been required.
<b>Summary of Inspections:</b>	No inspections have been performed yet since the facility has not been built.

**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	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
Total Residual Chlorine (TRC)	XXX	XXX	XXX	Report	XXX	Report	1/month	Grab
Biochemical Oxygen Demand (BOD5)	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	20.0	XXX	40	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/year	Grab

Compliance Sampling Location: 001

Other Comments:

All of the above proposed effluent limitations and monitoring requirements are consistent with the Department’s SOP for SRSTPs. In accordance with the SOP, modeling was not performed on the SRSTP.

The permittee will be required to submit the AMR. Monthly eDMR reporting will not be required since all analytical results can be submitted on effluent table within the AMR .

It is recommended the permit be drafted as above.