

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SFTF

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

Application No. PA0233927  
APS ID 1025057  
Authorization ID 1330171

**Applicant, Facility and Project Information**

Applicant Name	<u>Lewis Township Northumberland County</u>	Facility Name	<u>Lewis Township SFTF</u>
Applicant Address	<u>1428 Rovendale Drive</u> <u>Watsonstown, PA 17777-8459</u>	Facility Address	<u>727 Five Points Road</u> <u>Turbotville, PA 17772</u>
Applicant Contact	<u>Willard Murray, Supervisor</u>	Facility Contact	<u>Willard Murray</u>
Applicant Phone	<u>(570) 649-5371</u>	Facility Phone	<u>(570) 649-5371</u>
Client ID	<u>112872</u>	Site ID	<u>743811</u>
SIC Code	<u>4952</u>	Municipality	<u>Lewis Township</u>
SIC Description	<u>Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Northumberland</u>
Date Application Received	<u>October 6, 2020</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>October 15, 2020</u>		
Project Description	<u>Renewal of a NPDES Permit.</u>		

**Summary of Review**

The subject facility is a municipally owned Small Flow Treatment Facility serving eight homes in Lewis Township, Northumberland County.

A map of the discharge location is attached.

Sludge use and disposal description and location(s): The facility's sludge is transferred to other WWTPs for further processing.

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
✓		<i>Keith C. Allison</i> Keith C. Allison / Project Manager	March 3, 2021
✓		<i>Nicholas W. Hartranft</i> Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	March 4, 2021

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.002</u>
Latitude	<u>41° 7' 48.97"</u>	Longitude	<u>-76° 47' 9.97"</u>
Quad Name	<u>Muncy, PA</u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Warrior Run (WWF)</u>	Stream Code	<u>19170</u>
NHD Com ID	<u>66917257</u>	RMI	<u>0.45</u>
Drainage Area	<u>0.61 mi<sup>2</sup></u>	Yield (cfs/mi <sup>2</sup> )	<u>Undetermined</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0 – Intermittent Stream</u>	Q <sub>7-10</sub> Basis	<u>N/A</u>
Elevation (ft)	<u>570</u>	Slope (ft/ft)	<u>Undetermined</u>
Watershed No.	<u>10-D</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u>N/A</u>	Existing Use Qualifier	<u>N/A</u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>None</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>FLOW REGIME MODIFICATION, SILTATION</u>		
Source(s) of Impairment	<u>AGRICULTURE, HIGHWAY/ROAD/BRIDGE RUNOFF (NON-CONSTRUCTION RELATED)</u>		
TMDL Status	<u>Final</u>	Name	<u>Warrior Run TMDL</u>
Nearest Downstream Public Water Supply Intake	<u>PA-American Water Company at Milton, PA</u>		
PWS Waters	<u>West Branch Susquehanna River</u>	Distance from Outfall (mi)	<u>11.9</u>

Changes Since Last Permit Issuance: None

Other Comments: The Warrior Run TMDL was finalized on April 30, 2013. This small flow treatment facility discharge did not receive any waste load allocations under the TMDL and is not expected to be a significant contributor to the impairment to Warrior Run.

No downstream public water supply is expected to be affected by this discharge with the limitations and monitoring proposed.

<b>Compliance History</b>	
<b>Summary of DMRs:</b>	A review of the DMRs for the past year (February 2020 - January 2021) found general compliance with effluent limitations. One violation was recorded in that period. The Total Suspended Solids monthly average in December 2020 was 11.4 mg/L and was attributed by the operator to the buildup of solids in the effluent channel which was cleaned as a result.
<b>Summary of Inspections:</b>	The facility has been inspected annually by the Department over the past permit term. The most recent inspection on January 29, 2021 noted the above-mentioned TSS violations but no other operational violations at the time of inspection.
<b>Other Comments:</b>	A query in WMS found no open violations in eFACTS for Lewis Township, Northumberland County.

<b>Treatment Facility</b>
Treatment is permitted WQM Permit No. 4911402 Amendment No. 1 and consists of three 2,000-gallon septic tanks in series, a 5,000-gallon recirculation tank, Orenco textile filter pod, and UV disinfection. The facility has a design hydraulic capacity of 2000 gallons per day (gpd) and organic capacity of 5.4 pounds of BOD <sub>5</sub> per day.

**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/week	Metered
BOD5	XXX	XXX	XXX	10	XXX	20	1/month	Grab
TSS	XXX	XXX	XXX	10	XXX	20	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/month	Grab

Compliance Sampling Location: Outfall 001

Other Comments: The above limitations and monitoring requirements are unchanged from the existing permit and are consistent with the Department's typical requirements for SFTFs except for weekly flow measurement rather than monthly. UV light monitoring is not typically required to be monitored for SFTFs.

Attachment(s):

- Discharge Location Map

