

Application Type New  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0233226  
APS ID 1057353  
Authorization ID 1386044

**Applicant, Facility and Project Information**

Applicant Name	<u>Frederick R. Cleaver, Jr &amp; Christine R. Cleaver</u>	Facility Name	<u>Frederick R. Cleaver, Jr &amp; Christine R. Cleaver</u>
Applicant Address	<u>2244 Egypt Road</u> <u>Woodland, PA 16881-8815</u>	Facility Address	<u>351 Orchard Road</u> <u>Woodland, PA 16881-8629</u>
Applicant Contact	<u>Frederick Cleaver, Jr.</u>	Facility Contact	<u>Frederick Cleaver, Jr.</u>
Applicant Phone	<u>(814) 857-7946</u>	Facility Phone	<u>(814) 857-7946</u>
Client ID	<u>368330</u>	Site ID	<u>855430</u>
SIC Code	<u>4952</u>	Municipality	<u>Bradford Township</u>
SIC Description	<u>Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Clearfield</u>
Date Application Received	<u>February 18, 2022</u>	WQM Required	<u>Yes, application received</u>
Date Application Accepted	<u>February 25, 2022</u>	WQM App. No.	<u>1722402</u>
Project Description	<u>New SRSTP discharge</u>		

**Summary of Review**

Frederick and Christine Cleaver have submitted an application for an NPDES permit for a proposed Single Residence Sewage Treatment Plant (SRSTP) to serve a proposed three-bedroom home. The discharge is subject to an individual NPDES permit due to the treatment system not being one prescribed in the Department's Small Flow Treatment Facilities manual.

A WQM application for the associated treatment system has been received and is expected to be issued with the final NPDES permit.

Act 537 Planning for the proposed treatment and discharge was approved by the Department in a September 7, 2021 letter.

A map of the discharge location is attached.

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	April 12, 2022
✓		<i>Nicholas W. Hartranft</i> Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	April 18, 2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>41° 1' 45.53"</u>	Longitude	<u>-78° 20' 14.86"</u>
Quad Name	<u>LeContes Mills</u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Sulphur Run (CWF, MF)</u>	Stream Code	<u>26037</u>
NHD Com ID	<u>61830185</u>	RMI	<u>1.15</u>
Drainage Area	<u>1.51 mi<sup>2</sup></u>	Yield (cfs/mi <sup>2</sup> )	<u>Undetermined</u>
Q <sub>7-10</sub> Flow (cfs)	<u>Undetermined</u>	Q <sub>7-10</sub> Basis	<u>N/A</u>
Elevation (ft)	<u>1350</u>	Slope (ft/ft)	<u>Undetermined</u>
Watershed No.	<u>8-C</u>	Chapter 93 Class.	<u>CWF, MF</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>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>METALS, PH</u>		
Source(s) of Impairment	<u>ACID MINE DRAINAGE</u>		
TMDL Name/Status	<u>None</u>		
Nearest Downstream Public Water Supply Intake	<u>PA-American Water Co @ Milton, PA</u>		
PWS Waters	<u>West Branch Susquehanna River</u>	Distance from Outfall (mi)	<u>Approx. 150</u>

Comments: Discharge is to a roadside ditch that drains to Sulphur Run. There are no know groundwater or surface water uses within 200 feet of the ditch.

The discharge is not expected to contribute to the impairment to the watershed for Metals and pH from AMD.

The discharge is not expected to affect any downstream water supply at this time with the limitations and monitoring proposed.

Treatment Facility
The treatment facility, as proposed under WQM permit application No. 1722402, will consist of a 1,000-gallon two-compartment septic tank with Polylok PI-122 effluent filter, an EcoFlo Model EC7-500-P-P Coco Filter, and an integrated UV disinfection system.

Compliance History
A query in WMS found no open violations in eFACTS for Frederick and Christine Cleaver.

**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	Annual Average	Maximum	Instant. Maximum		
Flow (MGD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
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	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments: The above limitations and monitoring requirements are consistent with the Department's typical requirements for SRSTPs. The limits are expected to be protective of the receiving waters. In addition, the application for this NPDES permit as well as the design engineer's report for WQM Permit No. 1722402 indicate that the above limits should be achievable by the proposed system.

**Attachment:  
 Discharge Location Map**

