

Application Type New
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0291650
APS ID 1067654
Authorization ID 1403560

Applicant, Facility and Project Information

| | | | |
|---------------------------|--|------------------|---|
| Applicant Name | <u>Slate Ridge Mennonite School</u> | Facility Name | <u>Slate Ridge Mennonite School SFTF</u> |
| Applicant Address | <u>149 Run Road</u> <u>Carlisle, PA 17015-8947</u> | Facility Address | <u>950 Greenspring Road</u> <u>Newville, PA 17241-9679</u> |
| Applicant Contact | <u>Nelson High</u> | Facility Contact | <u>Nelson High</u> |
| Applicant Phone | <u>(717) 821-1772</u> | Facility Phone | <u>(717) 821-1772</u> |
| Client ID | <u>371260</u> | Site ID | <u>858652</u> |
| SIC Code | <u>6514</u> | Municipality | <u>North Newton Township</u> |
| SIC Description | <u>Fin, Ins & Real Est - Dwelling Operators, Except Apartments</u> | County | <u>Cumberland</u> |
| Date Application Received | <u>July 19, 2022</u> | WQM Required | <u>Pending</u> |
| Date Application Accepted | <u>August 1, 2022</u> | WQM App. No. | <u>2122404</u> |
| Project Description | <u>Application for an SFTF submitted for a proposed school.</u> | | |

Summary of Review

Slate Ridge Mennonite School has submitted an application for a new permit for their proposed Small Flow Treatment Facility located in Cumberland County. The school will utilize a system to treat sewage generated by the facility. DEP received the new NPDES and WQM permit applications on July 19, 2022 by Diffenbaugh Wadel Engineering. The Department has reviewed the application in order to ensure that the facility does not receive or discharge a flow greater than 2,000 GPD or exceed the specified limits of CBOD5, pH, Total Suspended Solids, and Fecal Coliform prescribed in the permit. As per 25 Pa. Code § 92a.53, all applicable effluent limits and standards are considered in development of the permit. The limits noted in the permit suggest that any applicable water quality standards will not be violated.

The limits discussed in the permit are based off of several factors that were determined by the Standard Operating Procedure for Small Flow Treatment Facilities (SOP No. BCW-PMT-003).

The TSS limits were prescribed based on The Department's Water Quality Antidegradation Implementation Guidance ID No. 391-0300-002

The Fecal Coliform limits listed in the permit were required by the Bureau of Clean Water, as stated in Chapter 92.2c.b(2) and 93.7.

Based on the review outlined in this fact sheet, it is recommended that the NPDES permit be drafted. Also, it is recommended that the WQM permit be issued upon issuance of the NPDES permit.

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*,

| Approve | Deny | Signatures | Date |
|---------|------|---|----------------|
| X | | <i>Jared Lescavage</i> Jared Lescavage / Project Manager | August 2, 2022 |
| x | | <i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager | 8/3/2022 |

Summary of Review

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.

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>.000748</u> |
| Latitude | <u>40° 8' 49.65"</u> | Longitude | <u>-77° 28' 12.94"</u> |
| Quad Name | _____ | Quad Code | _____ |
| Wastewater Description: <u>Sewage Effluent</u> | | | |
| Receiving Waters | <u>Unnamed Tributary of Green Spring Creek (CWF, MF)</u> | Stream Code | <u>10432</u> |
| NHD Com ID | <u>56408229</u> | RMI | <u>0.3800</u> |
| Drainage Area | <u>0.04 mi²</u> | Yield (cfs/mi ²) | _____ |
| Q ₇₋₁₀ Flow (cfs) | <u>0.000147</u> | Q ₇₋₁₀ Basis | <u>StreamStats</u> |
| Elevation (ft) | _____ | Slope (ft/ft) | _____ |
| Watershed No. | <u>7-B</u> | Chapter 93 Class. | <u>CWF, MF</u> |
| Existing Use | _____ | Existing Use Qualifier | _____ |
| Exceptions to Use | _____ | Exceptions to Criteria | _____ |
| Assessment Status | <u>Impaired</u> | | |
| Cause(s) of Impairment | <u>ORGANIC ENRICHMENT, PESTICIDES, SILTATION</u> | | |
| Source(s) of Impairment | <u>AGRICULTURE, AGRICULTURE, SOURCE UNKNOWN</u> | | |
| TMDL Status | <u>Final</u> | Name | <u>Conodoguinet Creek Watershed</u> |
| Background/Ambient Data | | Data Source | |
| pH (SU) | _____ | | _____ |
| Temperature (°F) | _____ | | _____ |
| Hardness (mg/L) | _____ | | _____ |
| Other: | _____ | | _____ |
| Nearest Downstream Public Water Supply Intake | <u>Carlisle Water Treatment Plant</u> | | |
| PWS Waters | <u>Conodoguinet Creek</u> | Flow at Intake (cfs) | _____ |
| PWS RMI | _____ | Distance from Outfall (mi) | <u>27</u> |

Changes Since Last Permit Issuance: N/A

Other Comments: None

| Compliance History | |
|-------------------------|-----|
| Summary of DMRs: | N/A |
| Summary of Inspections: | N/A |

Other Comments: **None**

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 | Average Monthly | Maximum | Instant. Maximum | | |
| Flow (MGD) | Report | Report Daily Max | XXX | XXX | XXX | XXX | 1/month | Measured |
| pH (S.U.) | XXX | XXX | 6.0 Daily Min | XXX | 9.0 Daily Max | XXX | 1/month | Grab |
| BOD5 | XXX | XXX | XXX | 25 | XXX | 50 | 1/month | Grab |
| TSS | XXX | XXX | XXX | 30 | XXX | 60 | 1/month | Grab |
| Fecal Coliform (No./100 ml) | XXX | XXX | XXX | 200 Geo Mean | XXX | XXX | 1/month | Grab |

Compliance Sampling Location: Outfall 001

Other Comments: None