

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0233510
APS ID 1103754
Authorization ID 1467284

Applicant, Facility and Project Information

Applicant Name	<u>David E. Engle</u>	Facility Name	<u>Engle SFTF</u>
Applicant Address	<u>287 Churchill Street</u> <u>Dushore, PA 18614-7633</u>	Facility Address	<u>287 Churchill Street</u> <u>Dushore, PA 18614-7633</u>
Applicant Contact	<u>David Engle</u>	Facility Contact	<u>David Engle</u>
Applicant Phone	<u>570-928-8598</u>	Facility Phone	<u>570-928-8598</u>
Client ID	<u>197520</u>	Site ID	<u>531826</u>
SIC Code	<u>4952</u>	Municipality	<u>Cherry Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Sullivan</u>
Date Application Received	<u>January 02, 2024</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>February 05, 2024</u>	WQM App. No.	<u>5700401</u>
Project Description	<u>Renewal of NPDES Permit</u>		

Summary of Review

INTRODUCTION

Dave Engle, property owner, submitted the renewal application for the NPDES permit authorizing the discharge from the small flow treatment facility (SFTF) serving his residence in Cherry Township, Sullivan County.

APPLICATION

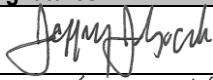

Mr. Engle submitted the NPDES Application for Individual Permit to Discharge Sewage Effluent from Small Flow Treatment Facilities (DEP #3800-PM-BCW0018b). This application was received by the Department on January 02, 2024, and considered administratively complete on February 05, 2024. Mr. Engle is both the client and site contact. His additional contact information is (email) dlmkengle@gmail.com.

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.

The case file, permit application package and the draft permit will be available for public review at the Department's Northcentral Regional Office. The address is 208 West Third Street, Suite 101, Williamsport, PA 17701. An appointment can be made to review these materials during the comment period by calling the file coordinator at 570-327-3636.

CONTINUED on the next page.

Approve	Return	Deny	Signatures	Date
X			Jeffrey J. Gocek, EIT Project Manager 	January 12, 2026
X			Nicholas W. Hartranft, PE Environmental Engineer Manager 	January 12, 2026

OUTFALL

The discharge of treated domestic wastewater from this SFTF occurs through Outfall 001. This outfall will be located at latitude 41° 31' 54.38" and longitude -76° 24' 11.35". The design flow of this SFTF is 0.0004 MGD. The discharge will be to an Unnamed Tributary to Marsh Run. The nearest downstream public water supply intake is United Water Pennsylvania, located in Dauphin, PA.

See Attachment 01 for a map.

Q_{7,10} DETERMINATION

A Q_{7,10} flow for this discharge has not been calculated since water quality modeling is not performed for residential small flow treatment facilities.

FACILITY DESCRIPTION

The SFTF consists of a 1,000-gallon septic tank (two compartment), a distribution box, a subsurface free access sand filter (82.7 square feet), an erosion tablet chlorinator and a 500-gallon chlorine contact tank (baffled). Effluent is conveyed to the receiving stream via a four-inch PVC pipe. This SFTF serves a three-bedroom residence.

See Attachment 02 for the site schematic.

COMPLIANCE HISTORY

The WMS Query *Open Violations by Client Report* revealed no open violations for Mr. Engle.

DEVELOPMENT OF EFFLUENT LIMITATIONSTechnology-Based Limitations

The following technology-based limitations apply to single residence sewage treatment plants (SRSTPs), subject to water quality analysis and BPJ where applicable:

Parameter	Average	IMAX	Sample Type	Frequency
Flow (GPD)	Report	XXX	Estimate	1/Year
BOD ₅ (mg/L)	10	20	Grab	1/Year
TSS (mg/L)	10	20	Grab	1/Year
TRC (mg/L)	Report	XXX	Grab	1/Month
Fecal Coliform (No./100 mL)	200 (Annual Average)		Grab	1/Year

Water Quality-Based Limitations

In accordance with Department policy, water quality modeling using the PENTOXSD, the WQM and TRC Spreadsheet models is not performed for SRSTPs.

None are proposed.

Best Professional Judgment (BPJ) Limitations

In the absence of applicable effluent guidelines for the discharge or pollutant, permit writers must identify and/or develop needed technology-based effluent limitations (TBELs) on a case-by-case basis, in accordance with the statutory factors specified in the Clean Water Act.

None are proposed.

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RECEIVING STREAMStream Characteristics

The receiving stream will be an Unnamed Tributary to Marsh Run. This stream, according to 25 PA § 93.9L, is protected for *Cold Water Fishes (CWF)* and *Migratory Fishes (MF)*. These are the streams *Designated Uses*, which is defined in 25 PA § 93.1 as “those uses specified in §§ 93.9a – 93.9z for each waterbody or segment whether or not the use is being attained”. Designated uses are regulations promulgated by the Environmental Quality Board (EQB) throughout the rulemaking process. This stream currently has an *Existing Use of Exceptional Value (EV)*, the Department’s highest protective status. Existing Use is defined in 25 PA § 93.1 as “those uses actually attained in the waterbody on or after November 28, 1975 whether or not they are included in the water quality standards”.

DEP has evaluated information indicating that the existing use of the receiving waters is different than the designated use under 25 Pa. Code § 93.9. In developing the draft NPDES permit, DEP is proposing to protect the existing use of the receiving waters. Following DEP’s notice of the receipt of the application and the draft permit in the Pennsylvania Bulletin, DEP will accept written comments during the public comment period regarding DEP’s tentative determination to protect the existing use. DEP will make a final determination on existing use protection for the receiving waters as part of the final permit action.

This Unnamed Tributary to the Marsh Run is identified by Department stream code 20300. The stream is located in (Chapter 93) drainage list M and State Water Plan 10B (Loyalsock Creek).

Impairment

This stream is attaining its designated uses for Aquatic Life. The downstream Marsh Run is impaired by 1. metals and 2. thermal modifications due to a dam. The entire basin for Marsh Run has an existing use of EV.

CHESAPEAKE BAY TMDL

Nutrient monitoring requirements associated with the Chesapeake Bay TMDL do not apply since the hydraulic design flow of this SFTF is less than 2,000 gallons per day.

SPECIAL PERMIT CONDITIONS

Annual Maintenance Form
Discharge Monitoring Report Form
Tank Monitoring
Pumping Requirement
Total Residual Chlorine Minimization
Stormwater Prohibition
Approval Contingencies
Proper Waste Disposal
Municipal Treatment Availability
Ultraviolet Disinfection Cleaning

SUPPLEMENTAL DISCHARGE MONITORING REPORTS

Annual Maintenance Report
Non-Compliance Report Form
Laboratory Accreditation Sheet

CONTINUED on the next page.

ANNUAL MAINTENANCE REPORTS

For this permit, the operative compliance mechanism will be the Annual Maintenance Report (AMR), which is to be submitted annually. No Discharge Monitoring Reports (DMRs) will be utilized. The AMR will also be used to document maintenance activities. The results for the required 1/Year sampling of Flow, BOD5, Total Suspended Solids and Fecal Coliforms is to be reported on the AMR.

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) and/or BPJ.

Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date

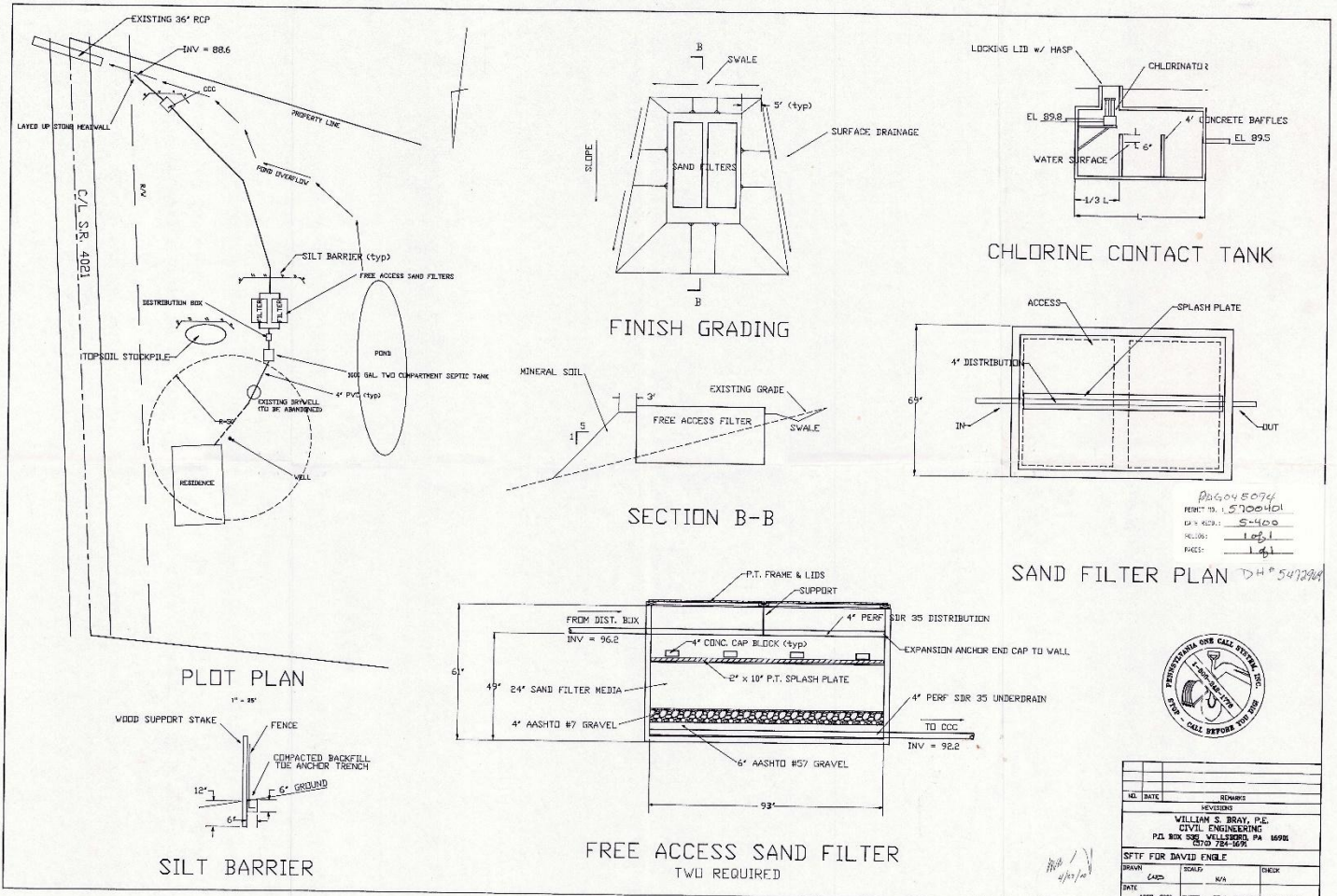
Discharge Parameter	Mass Limits (lb/day)		Concentration Limits (mg/L)				Monitoring Requirements	
	Monthly Average	Daily Maximum	Minimum	Monthly Average	Daily Maximum	IMAX	Minimum Measurement Frequency	Required Sample Type
Flow (GPD)	Report Annual Average	XXX	XXX	XXX	XXX	XXX	1/Year	Estimate
BOD5	XXX	XXX	XXX	10	XXX	20	1/Year	Grab
Total Suspended Solids	XXX	XXX	XXX	10	XXX	20	1/Year	Grab
Total Residual Chlorine	XXX	XXX	XXX	Report	XXX	XXX	1/Month	Grab
Fecal Coliform (No./100mL)	XXX	XXX	XXX	200 Annual Average	XXX	XXX	1/Year	Grab

END of Fact Sheet.

ATTACHMENT 01



ATTACHMENT 02



025045074
 PERMIT NO. 5700401
 EX. NO. 5-400
 REV. NO. 1 of 1
 PAGE: 1 of 1



NO.	DATE	REVISIONS

WILLIAM S. BRAY, P.E.
 CIVIL ENGINEERING
 P.O. BOX 552, WILLIAMSPORT, PA 16798
 724-667

DATE	CHECKED	SCALE	BY	DATE

SFTF FOR DAVID ENGLE
 APRIL 2002 SHEET: 02 OF 3 SHEETS ENGLE SFTF

Dave Engle 5700401 574100 57-901
 3/1/02
 5/5/02