

Application Type           New            
Wastewater Type           Sewage            
Facility Type           SRSTP          

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

Application No.           PA0233072            
APS ID           1026239            
Authorization ID           1332221          

**Applicant, Facility and Project Information**

Applicant Name	<u>Donald L. Rowe</u>	Facility Name	<u>Rowe SFTF</u>
Applicant Address	<u>221 West Pine Street</u> <u>Selinsgrove, PA 17870-1515</u>	Facility Address	<u>7675 Weikert Road</u> <u>Millmont, PA 17845</u>
Applicant Contact	<u>Donald Rowe</u>	Facility Contact	<u>Donald Rowe</u>
Applicant Phone	<u>570-274-0046</u>	Facility Phone	<u>570-274-0046</u>
Client ID	<u>359307</u>	Site ID	<u>845899</u>
SIC Code	<u>4952</u>	Municipality	<u>Hartley Township</u>
SIC Description	<u>Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Union</u>
Date Application Received	<u>October 27, 2020</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>November 09, 2020</u>	WQM App. No.	<u>6020401</u>
Project Description	<u>Issuance of permit authorizing discharge from new SFTF</u>		

**Summary of Review**

INTRODUCTION

Donald Rowe proposed the issuance of a National Pollution Discharge Elimination System (NPDES) permit to authorize the discharge of treated effluent from the proposed Small Flow Treatment Facility (SFTF) to serve the existing Rowe cabin in Hartley Township, Union County.

APPLICATION

Donald Rowe, the application client contact, submitted the NPDES Application for Individual Permit to Discharge Sewage Effluent from Small Flow Treatment Facility (DEP #3800-PM-BCW0018b). This application was received by the Department on October 27, 2020 and considered administratively complete on November 09, 2020. Donald Rowe's additional contact information is (email) [don@pennfire.com](mailto:don@pennfire.com). The application consultant and design engineer is Joel D. Reiff, Project Manager with RK Webster, LLC of Montoursville, PA. His contact information is (phone) 570-435-3489 and (email) [jreiff@rkwebster.com](mailto:jreiff@rkwebster.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 draft permit will be available for public review at Department's Northcentral Regional Office. The address for this office 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.

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APPROVE	DENY	SIGNATURES		DATE
X		Jeffrey J. Gocek, EIT	<i>Jeffrey J. Gocek</i> Project Manager	11/18/2020
X		Nicholas W. Hartranft, PE	<i>Nicholas W. Hartranft</i> Environmental Engineer Manager	11/18/2020

OUTFALL

The discharge of treated domestic wastewater from this SFTF occurs through Outfall 001. This outfall is located at latitude 40° 50' 54.5" and longitude -77° 19' 53.5". The design flow of this SFTF is 0.0004 MGD. The discharge will be to Penns Creek, via a drainage swale.

Q7.10 DETERMINATION

A Q<sub>7,10</sub> flow for this discharge has not been calculated since water quality modeling is not performed for residential small flow treatment facilities.

FACILITY DESCRIPTION

See Attachment 01 for a map of the cabin location.

The consultant has proposed an Ecoflo package plant to replace a malfunctioning unregulated grey water system, since no suitable soils exist onsite for use in an on-lot disposal system. The selected plant, model EC7-600-P-P-Pack, incorporates a treatment tank, a coco filter and disinfection as one unit. This system will serve an existing 4-bedroom cabin. This unit has a hydraulic capacity of 600 gallons per day.

See Attachment 02 for the site schematic.

COMPLIANCE HISTORY

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

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 <sub>5</sub> (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

NOTE – Since Ultraviolet Disinfection is proposed for this facility, no limit for Total Residual Chlorine (TRC) will be assigned.

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) 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 STREAM

The receiving stream is Penns Creek. This stream, according to 25 PA § 93.9M, is protected for *High Quality – Cold Water Fishes (HQ-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 no *Existing Use*. 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”.

This Unnamed Tributary to Clearfield Creek is identified by Department stream code 17698. The stream is located in (Chapter 93) drainage list M and State Water Plan 6A (Middle and Penns Creeks).

This section of Penns Creek is attaining its designated uses for Fish Consumption, Recreation and Aquatic Life.

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  
Stormwater Prohibition  
Approval Contingencies  
Proper Waste Disposal  
Municipal Treatment Availability

SUPPLEMENTAL DISCHARGE MONITORING REPORTS

Annual Maintenance Report  
Non-Compliance Report Form  
Laboratory Accreditation Sheet

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 which occur in the period between June 01 and May 31 of each year.

As mentioned above, the results for the required 1/Year sampling of Flow, BOD5, Total Suspended Solids and Fecal Coliforms is to be reported on the AMR.

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PROPOSED EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

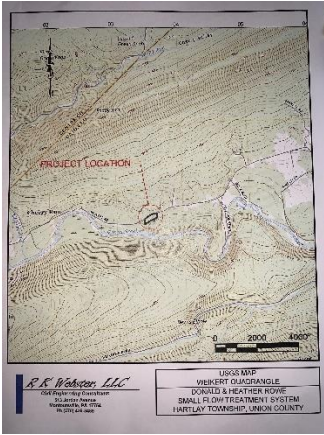
The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). 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	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
Fecal Coliform (No./100mL)	XXX	XXX	XXX	200 Annual Average	XXX	XXX	1/Year	Grab

END of Fact Sheet.

ATTACHMENT 01



ATTACHMENT 02

