

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0233161
APS ID 1045461
Authorization ID 1365258

Applicant, Facility and Project Information

Applicant Name	<u>Douglas Orbaker & Penn Garvin</u>	Facility Name	<u>Douglas Orbaker & Penn Garvin</u>
Applicant Address	<u>49 Wildwood Road</u> <u>Mifflinburg, PA 17844-7100</u>	Facility Address	<u>49 Wildwood Road</u> <u>Mifflinburg, PA 17844-7100</u>
Applicant Contact	<u>Douglas Orbaker</u>	Facility Contact	<u>Douglas Orbaker</u>
Applicant Phone	<u>(570) 768-6436</u>	Facility Phone	<u>(570) 768-6436</u>
Client ID	<u>364847</u>	Site ID	<u>851339</u>
SIC Code	<u>4952</u>	Municipality	<u>Limestone Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Union</u>
Date Application Received	<u>August 11, 2021</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>August 25, 2021</u>	WQM App. No.	<u>6021401</u>
Project Description	<u>New SRSTP with stream discharge in Limestone Township, Union County.</u>		

Summary of Review

The above applicant has submitted a new NPDES permit application for one discharge from a single residence sewage treatment plant (SRSTP) at 49 Wildwood Road, Mifflinburg, PA. The proposed design and construction of the SRSTP will be covered by Water Quality Management (WQM) Permit No. 6021401, which will be issued simultaneously with the final NPDES permit. The proposed SRSTP will replace an existing malfunctioning on-lot system. The SRSTP will have a design flow of 800 gallons per day. It will serve a 3-bedroom home and an efficiency apartment located over a detached garage. Per the Department's Standard Operating Procedures for SRSTPs and Small Flow Treatment Facilities (SFTF) SOP, this facility is still considered an SRSTP since the design flow is 800 gallons or less and is 1 Equivalent Dwelling Unit (EDU).

The proposed system will be an Ecoflow Coco Biofilter system with UV disinfection. A more detailed description of the design will be covered in the Internal Review and Recommendations (IRR) for the WQM permit.

Unless otherwise stated, all applicable Department Standard Operating Procedures (SOPs) were followed during the review of the application.

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
X		<i>Chad A. Fabian</i> Chad A. Fabian / Project Manager	August 31, 2021
X		<i>Nicholas W. Hartranft, P.E.</i> Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	September 2, 2021

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>.0008</u>
Latitude	<u>40° 52' 19.45"</u>	Longitude	<u>-77° 0' 42.47"</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Sweitzers Run (CWF, MF)</u>	Stream Code	<u>18092</u>
NHD Com ID	<u>54962447</u>	RMI	<u>0.2200</u>
Drainage Area	<u>n/a</u>	Yield (cfs/mi ²)	<u>n/a</u>
Q ₇₋₁₀ Flow (cfs)	<u>n/a</u>	Q ₇₋₁₀ Basis	<u>n/a</u>
Elevation (ft)	<u>n/a</u>	Slope (ft/ft)	<u>n/a</u>
Watershed No.	<u>6-A</u>	Chapter 93 Class.	<u>CWF, MF</u>
Existing Use	<u>CWF, MF</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>None</u>		
Source(s) of Impairment	<u>None</u>		
TMDL Status	<u>None</u>	Name	<u>n/a</u>

Compliance History	
Summary of DMRs:	The facility is a proposed new facility to replace an existing failing on-lot system. No AMRs have been required yet.
Summary of Inspections:	No inspections have been performed since the facility does not exist. A compliance check using WMS shows no open violation exist for the applicant.

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	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: 001

All of the above proposed effluent limitations, sample types, and sampling frequencies are in accordance with the Department's SOP for Small Flow Treatment Facility Individual NPDES Permit Applications SOP (No. BCW-PMT-003). Per the respective SOP, no water quality monitoring is required for SRSTPs. Also, per the SOP, the permittee will be required to submit the Annual Maintenance Report (AMR). The permittee should put the required sampling results within the table in the respective AMR.

It is recommended the permit be drafted as described above.