

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0255874
APS ID 1033480
Authorization ID 1345232

Applicant, Facility and Project Information

Applicant Name	<u>Sandra Wood</u>	Facility Name	<u>Wood Property SRSTP</u>
Applicant Address	<u>102 Landwood Lane</u> <u>Freedom, PA 15042-2812</u>	Facility Address	<u>102 Landwood Lane</u> <u>Freedom, PA 15042-2812</u>
Applicant Contact	<u>Sandra Wood</u>	Facility Contact	<u>Same as Applicant</u>
Applicant Phone	<u>(814) 328-9992</u>	Facility Phone	<u>Same as Applicant</u>
Client ID	<u>361344</u>	Site ID	<u>847978</u>
SIC Code	<u>8800</u>	Municipality	<u>New Sewickley Township</u>
SIC Description	<u>Private Households</u>	County	<u>Beaver</u>
Date Application Received	<u>February 24, 2021</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>March 9, 2021</u>	WQM App. No.	<u>0421400</u>
Project Description	<u>Application for issuance of a new WQM Permit.</u>		

Summary of Review

This permit is being issued to approve the construction and operation of a single resident sewage treatment plant (SRSTP) consisting of:

- One, 1,000-gallon concrete dual compartment septic tank
- One Premier Tech EC7-500-C-P coco filter with integrated pump
- One DiUV unit installed by manufacturer

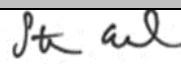

Associated WQM Permit No. 0421400 is also pending issuance upon approval from the department.

Per current policy, effluent limitations and monitoring requirements listed on page 4 of this Fact Sheet, at a minimum, will be established for individual SRSTP permit renewals. The limitations 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.

The applicant does not use eDMR and current policy does not require eDMR to be used for SRSTPs

Sewage discharges with design flows < 2,000 gpd do not require monitoring for Total Nitrogen and Total Phosphorus in new and reissued permits.

Technology-based effluent limits for pH will be imposed based upon State Regulation 95.2(1).

Approve	Deny	Signatures	Date
X		 Stephanie Conrad / Environmental Engineering Specialist	March 25, 2021
X		 Donald J. Leone, P.E. / Environmental Engineer Manager	March 30, 2021

Summary of Review

Ultraviolet (UV) disinfection is used therefore Total Residual Chlorine (TRC) limits are not applicable. Current policy does not require SFTFs to monitor for UV Intensity.

Sewage discharges with design flows < 2,000 gpd are not required to monitor for Ammonia-Nitrogen, Total Nitrogen, and Total Phosphorus in new and reissued permits.

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.

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>.0004</u>
Latitude	<u>40° 41' 58.91"</u>	Longitude	<u>-80° 10' 49.10"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Crows Run (WWF)</u>	Stream Code	<u>36572</u>
NHD Com ID	<u>99678800</u>	RMI	<u>1.62</u>
Drainage Area	<u>0.26</u>	Yield (cfs/mi ²)	<u>0.0058</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.00151</u>	Q ₇₋₁₀ Basis	<u>USGS StreamStats</u>
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	<u>20-G</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	_____	Exceptions to Criteria	_____
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	_____		
Source(s) of Impairment	_____		
TMDL Status	_____	Name	_____
Background/Ambient Data		Data Source	
pH (SU)	_____	_____	
Temperature (°F)	_____	_____	
Hardness (mg/L)	_____	_____	
Other:	_____	_____	
Nearest Downstream Public Water Supply Intake	<u>Center Township Water Authority</u>		
PWS Waters	<u>Ohio River</u>	Flow at Intake (cfs)	_____
PWS RMI	_____	Distance from Outfall (mi)	<u>11.1</u>

Proposed Effluent Limitations and Monitoring Requirements
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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.

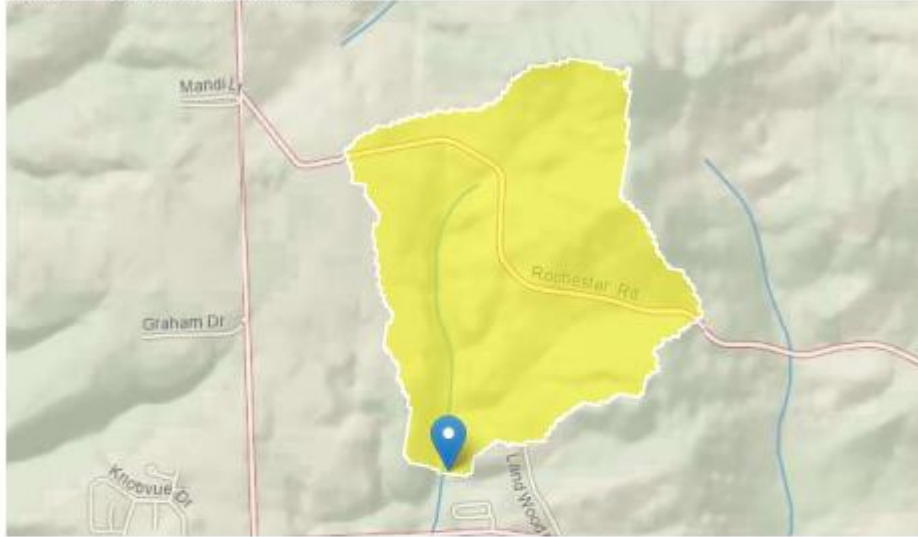
Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.

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 (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
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	200.0	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall #001

StreamStats Report

Region ID: PA
 Workspace ID: PA20210325170423554000
 Clicked Point (Latitude, Longitude): 40.69972, -80.18256
 Time: 2021-03-25 13:04:41 -0400



Basin Characteristics				
Parameter Code	Parameter Description	Value	Unit	
DRNAREA	Area that drains to a point on a stream	0.26	square miles	
ELEV	Mean Basin Elevation	1134	feet	

Low-Flow Statistics Parameters _(Low Flow Region 4)					
Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
DRNAREA	Drainage Area	0.26	square miles	2.26	1400

Parameter Code	Parameter Name	Value	Units	Min Limit	Max Limit
ELEV	Mean Basin Elevation	1134	feet	1050	2580

Low-Flow Statistics Disclaimers_(Low Flow Region 4)

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors

Low-Flow Statistics Flow Report_(Low Flow Region 4)

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.00577	ft ³ /s
30 Day 2 Year Low Flow	0.0118	ft ³ /s
7 Day 10 Year Low Flow	0.00151	ft ³ /s
30 Day 10 Year Low Flow	0.00356	ft ³ /s
90 Day 10 Year Low Flow	0.00768	ft ³ /s

Low-Flow Statistics Citations

Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)

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Application Version: 4.4.0