

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0255611
APS ID 1122668
Authorization ID 1501303

Applicant, Facility and Project Information

Applicant Name	<u>Lauren Wengler</u>	Facility Name	<u>Wengler Properties</u>
Applicant Address	<u>138 Forrest Drive</u> <u>Fombell, PA 16123-2412</u>	Facility Address	<u>138 Forrest Drive</u> <u>Fombell, PA 16123-2412</u>
Applicant Contact	<u>Lauren Wengler</u>	Facility Contact	<u>Lauren Wengler</u>
Applicant Phone	<u>(724) 504-9012</u>	Facility Phone	<u>(724) 504-9012</u>
Client ID	<u>352555</u>	Site ID	<u>839061</u>
SIC Code	<u>8800</u>	Municipality	<u>Franklin Township</u>
SIC Description	<u>Private Households</u>	County	<u>Beaver</u>
Date Application Received	<u>September 23, 2024</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>NPDES permit renewal application.</u>		


Summary of Review

The Pa Department of Environmental Protection (PaDEP/Department) received an NPDES permit renewal application from Lauren Wengler (permittee) for permittee's SRSTP, located in Franklin Township, Beaver County. This is an SRSTP with a design flow of 500 GPD that discharges into an UNT to Doe Run (WWF) in state watershed 20-C. The current permit will expire on May 31, 2025. The terms and conditions are automatically extended since the renewal application was received at least 180 days prior to the expiration date. Renewal NPDES permit application under Clean Water Program are not covered by PADEP's PDG per 021-2100-001. This fact sheet is developed in accordance with 40 CFR §124.56.

Changes to existing permit: BOD5 limits are replaced with CBOD5 limits.

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
√		Reza H. Chowdhury, E.I.T. / Project Manager 	November 14, 2024
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	11/15/2024

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0005
Latitude	40° 49' 1.17"	Longitude	-80° 10' 40.01"
Quad Name	Zelienople	Quad Code	1204
Wastewater Description: Sewage Effluent			
Receiving Waters	UNT to Doe Run (WWF)	Stream Code	UNT to 34901
NHD Com ID		RMI	0.6600
Drainage Area	0.0441 mi ²	Yield (cfs/mi ²)	0.0038
Q ₇₋₁₀ Flow (cfs)	0.000168	Q ₇₋₁₀ Basis	Previous fact sheet
Elevation (ft)	1084	Slope (ft/ft)	0.046
Watershed No.	20-C	Chapter 93 Class.	WWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Not Assessed		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status	Name		
Nearest Downstream Public Water Supply Intake	Beaver Falls Municipal Authority		
PWS Waters	Beaver River	Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Changes Since Last Permit Issuance: None

Other Comments:

Treatment Plant Summary

The Wengler Properties SRSTP is in 138 Forrest Drive, Fombell, PA 16123, serving a 4-bedroom single residence. The treatment facility is a packaged Premier Tech EC7-500-C-P consisting of a 1,500-gallon dual compartment concrete septic tank, a Zabel A300 effluent filter, coco filter, an integrated pump, and UV unit. The treated effluent is discharged to an UNT to Doe Run, which has a Ch. 93 classification of Warm Water Fishes (WWF). The facility has an Average Annual Design Flow and Hydraulic Design Capacity of 0.0005 MGD.

The Department conducted a Point of First Use (POFU) Survey during the new permit issuance in May 2019 that determined the point at and beyond which the aquatic life must be protected. The effluent limits on the permit were developed in accordance with the applicable SOP.

Compliance History	
Summary of DMRs:	No effluent sample results were submitted with the application. The permittee is requested to provide the results. Once received, the results will be evaluated and any changes in effluent limits will be reflected in the final permit.
Summary of Inspections:	No reports in WMS

Existing Limits

The following limits were applied to Outfall 001 for the period June 1, 2020 through May 31, 2025:

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	XXX	1,000	1/year	Grab

Development of effluent limitations
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The following effluent limitations and monitoring requirements, at a minimum, will be established in all new and renewed SRSTP permits based on the requirements of DEP's "Standard Operating Procedure (SOP) for Clean Water Program New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Application" (SOP No. BCW-PMT-003, Version 1.8, Final, November 9, 2012, Revised November 9, 2023).

Parameter	Avg	IMAX	Sample Type	Frequency: SFTFs	Frequency: SRSTPs
Flow (GPD)	Report	XXX	Estimate (SRSTPs) Measured (SFTFs)	1/month	1/year
CBOD5 (mg/L)	10	20	Grab	1/month	1/year
TSS (mg/L)	10	20	Grab	1/month	1/year
TRC (mg/L) *	Report for SRSTPs; Use TRC Spreadsheet to determine WQBELs or 0.02 mg/L for SFTFs		Grab	1/month	1/year
Fecal Coliform (No./100 ml)	200 Geometric Mean (SFTFs) / Average (SRSTPs)		Grab	1/month	1/year

* This is an SRSTP with UV disinfection. The facility will not be required to measure TRC nor will be required to report UV dosage/intensity/transmittance.

Existing BOD5 limits will be replaced with CBOD5 to be consistent with the updated SOP. In addition to above limits, the following limit is in the existing permit and will be carried over:

pH:
The TBEL for pH is above 6.0 and below 9.0 S.U. (40 CFR §133.102(c) and Pa Code 25 §§ 95.2(1), 92a.47) which are existing limits and will be carried over.

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 (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
CBOD5	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	1000	1/year	Grab

Compliance Sampling Location: At Outfall 001

Other Comments: None