

Application Type Renewal
Wastewater Type Sewage
Facility Type SFTF

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

Application No. PA0244384
APS ID 1092689
Authorization ID 1447080

Applicant, Facility and Project Information

Applicant Name	<u>Stephanie Huntzinger</u>	Facility Name	<u>Huntzinger SFTF</u>
Applicant Address	<u>3947 Geryville Pike</u> <u>Pennsburg, PA 18073-2618</u>	Facility Address	<u>3947 Geryville Pike</u> <u>Pennsburg, PA 18073-2618</u>
Applicant Contact	<u>Stephanie Huntzinger</u>	Facility Contact	<u>Stephanie Huntzinger</u>
Applicant Phone	<u>(610) 457-3136</u>	Facility Phone	<u>(610) 457-3136</u>
Client ID	<u>280231</u>	Site ID	<u>673783</u>
SIC Code	<u>8811</u>	Municipality	<u>Marlborough Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Montgomery</u>
Date Application Received	<u>May 25, 2023</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>.Renewal requested</u>		

Summary of Review

The permittee request approval for the renewal of National Pollutant Discharge Elimination System (NPDES) Individual Permit application to discharge 900 gpd from a small flow treatment facility (SFTF) serving Ms. Huntzinger single residential dwelling and an apartment located at 3947 Geryville Pike, Pennsburg, PA 18703-2618, in Marlborough Township, Montgomery County. Huntzinger Small Flow Treatment Facility (SFTF) discharges to unnamed tributary (dry swale) to Macoby Creek a designated Trout Stocking Fishes – Migratory Fishes (TSF – MF) under Chapter 93.

The treatment plant consists of a 1,500 gallon tank to house BioMicrobics FAST 0.90 (900 gpd minimum capacity required), peat filter lift pump tank, Ecoflo St-650 Peat Filter & SCB-650 Submersible Collecting Bottom, and Salcor "3G" Ultraviolet (UV) Disinfection Unit.

There has been no change in the flow, stream designation, and influent quality, therefor the previous permit effluent limitations are carried over to this permit renewal. The permit limits are as follows:

Parameter	Monthly Average Limits (mg/l)	Instantaneous Maximum Limit (mg/l)	Basis
CBOD ₅	10	20	Tertiary Treatment
TSS	10	20	Tertiary Treatment
Total Nitrogen	23	46	Groundwater Discharge
Fecal Coliform (Geometric Mean)	200 No./100ml as a geometric average		Chapter 93
pH (STD)	Within 6.0 – 9.0 Standard Units at all times		Chapter 95

For SFTF with UV system, it is not necessary to require UV intensity or transmittance monitoring in the permit.

Approve	Deny	Signatures	Date
X		<i>Charley Yang</i> Charley Yang / Environmental Engineering Specialist	September 25, 2023
x		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	09/25/2023

Summary of Review

The permit type being updated to SFTF from SRSTP as the facility is serving multiple units. Annual fee will be increased from \$100 to \$250 per § 92a.62. Annual fees.

Draft permit will be sent to permittee.

Recommended Part C Conditions:

- I. Other Requirements
 - A. AMR to DEP
 - B. DMR to DEP
 - C. Depth of Septage
 - D. Septic Tanks
 - E. No Stormwater
 - F. Acquiring all Necessary Property Rights
 - G. Proper Sludge Disposal
 - H. Abandon STP when Sewers Available
 - I. UV Cleaning

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>.0009</u>
Latitude	<u>40° 21' 16.79"</u>	Longitude	<u>-75° 27' 25.75"</u>
Quad Name	<u>Perkiomenville</u>	Quad Code	<u>1642</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Macoby Creek (TSF, MF)</u>	Stream Code	<u>01417</u>
NHD Com ID	<u>25987086</u>	RMI	<u>0.5</u>
Drainage Area	<u>0.09 mi²</u>	Yield (cfs/mi ²)	<u>0.044</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.004</u>	Q ₇₋₁₀ Basis	<u>Pennsylvania StreamStats</u>
Elevation (ft)	<u>461.8</u>	Slope (ft/ft)	<u>2.9</u>
Watershed No.	<u>3-E</u>	Chapter 93 Class.	<u>TSF, MF</u>
Existing Use	<u></u>	Existing Use Qualifier	<u></u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u></u>	Name	<u></u>

Changes Since Last Permit Issuance: no change

Other Comments:

Compliance History	
Summary of DMRs:	[REDACTED]
Summary of Inspections:	Inspection was conducted by Dylan Szczurek on 7/15/2022. The following violations were notified. <ul style="list-style-type: none">• 25 Pa. Code 92a.41(a)(12): Failure to submit monitoring reports• 25 Pa. Code 92a.46: Violation of Part C permit condition Failure to submit Annual Maintenance Reports is a violation of the special conditions outlined in the system's NPDES permit.

Other Comments: [REDACTED]

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
BOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	23.0	XXX	46	1/year	Grab

Compliance Sampling Location: 001

Other Comments: