



Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

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

Application No. PA0264199  
APS ID 1132897  
Authorization ID 1519240

**Applicant, Facility and Project Information**

Applicant Name	<u>William E Reed</u>	Facility Name	<u>133 Ames Rd SRSTP</u>
Applicant Address	<u>133 Ames Road</u>	Facility Address	<u>133 Ames Road</u>
	<u>Bentleyville, PA 15314-1930</u>		<u>Bentleyville, PA 15314-1930</u>
Applicant Contact	<u>William Reed</u>	Facility Contact	<u>William Reed</u>
Applicant Phone	<u>(304) 641-0404</u>	Facility Phone	<u>(304) 641-0404</u>
Client ID	<u>323240</u>	Site ID	<u>810979</u>
SIC Code	<u>8811</u>	Municipality	<u>Somerset Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Washington</u>
Date Application Received	<u>March 6, 2025</u>	WQM Required	
Date Application Accepted		WQM App. No.	
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 William E Reed (permittee) for permittee's 133 Ames Rd SRSTP (facility) on March 6, 2025. The treated effluent is discharge into an UNT to Pigeon Creek in state watershed 19-C. The current permit expired on January 31, 2021. Since the renewal application wasn't received at least 180 days prior to the expiration date, the terms and conditions of the current permit are administratively extended. 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 in this permit: None

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 	May 19, 2025
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	05/20/2025

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0004
Latitude	40° 8' 7.44"	Longitude	-80° 1' 18.37"
Quad Name	Hackett	Quad Code	1705
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to North Branch Pigeon Creek (WWF)	Stream Code	39684
NHD Com ID	99410224	RMI	0.39
Watershed No.	19-C	Chapter 93 Class.	WWF
Existing Use			
Exceptions to Use			
Assessment Status	Attaining Use(s)		
Nearest Downstream Public Water Supply Intake	None before confluence with Monongahela River		
PWS Waters	Flow at Intake (cfs)		
PWS RMI	Distance from Outfall (mi)		

Changes Since Last Permit Issuance: None

Other Comments:

**Treatment Plant Summary**

The 133 Ames Rd SRSTP is located in Somerset Township, Washington County. The treatment facility is a packaged Norweco Bio Green Wastewater Treatment System Model 960 with Bio Film Reactor and UV Disinfection. The treated effluent is discharged into an UNT to North Branch Pigeon Creek, which has a Ch. 93 classification of Warm Water Fishes (WWF). The facility has an Average Annual Design Flow and Hydraulic Design Capacity of 0.0004 MGD.

Compliance History						
Summary of DMRs:	PARAMETER		MAXIMUM DAILY VALUE		AVERAGE MONTHLY VALUE	
			Value	Units	Value	Units
	pH (Minimum)		7.86	S.U.		
	pH (Maximum)		7.86	S.U.		
	Biochemical Oxygen Demand (Report one)	BOD <sub>5</sub>	<12	mg/L		mg/L
		CBOD <sub>5</sub>	14.2	mg/L		mg/L
	Fecal Coliform		<5	No./100 mL		No./100 mL
	Total Suspended Solids (TSS)		<5	mg/L		mg/L
	Total Residual Chlorine (TRC)		NA	mg/L		mg/L
Summary of Inspections:	No reports in WMS. An NOV was issued on February 2025 for not submitting the renewal application on time.					

**Existing Limits**

The following limits were applied to Outfall 001 for the period February 1, 2016 through January 31, 2021:

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
Average Monthly	Avg. Weekly	Minimum	Average Monthly	Max	Instant. Maximum			
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimated
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/year	Grab
CBOD5	XXX	XXX	XXX	10	XXX	20	1/year	Grab
Total Suspended Solids	XXX	XXX	XXX	10	XXX	20	1/year	Grab
Fecal Coliform (CFU/100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	1/year	Grab

**Development of effluent limitations**

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.

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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> 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
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	1000	1/year	Grab

Compliance Sampling Location: At Outfall 001

Other Comments: None