

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0245071
APS ID 1121451
Authorization ID 1499174

Applicant, Facility and Project Information

Applicant Name	<u>Radosky Dean</u>	Facility Name	<u>Dean M Radosky SFTF</u>
Applicant Address	<u>4431 Axe Handle Road</u> <u>Quakertown, PA 18951-3280</u>	Facility Address	<u>4431 Axe Handle Road</u> <u>Quakertown, PA 18951</u>
Applicant Contact	<u>Dean Radosky</u>	Facility Contact	<u>Adam Browning</u>
Applicant Phone	<u>(215) 850-5918</u>	Facility Phone	<u>(215) 362-4610</u>
Client ID	<u>346820</u>	Site ID	<u>830723</u>
SIC Code	<u>8811</u>	Municipality	<u>East Rockhill Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Bucks</u>
Date Application Received	<u>August 21, 2024</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>Renewal</u>		

Summary of Review

The PA Department of Environmental Protection had received an NPDES renewal application for SRSTP from Mr. Radosky Dean on August 21, 2024. The facility is located at 4431 Axe Handle Road, Quakertown, PA 18951.

This single residence generates 400 gallons of sewage per day to be treated by SFTF with a discharge to the banks of UNT Tohichon Creek.

The treatment plant consists of the following treatment units:

1. Primary treatment is via a 1500-gallon two compartment septic tank with a lift pump tank and a Polylok effluent filter.
2. Effluent from the septic tank will flow by gravity to Ecoflo ECDn700-P biofilter.
3. Disinfection is provided by Orenco UV-125/31-UVI BSOB UV disinfection Unit.
4. The final discharge to the outfall will be pumped via 4-inch SCH40 pipe is used to discharge the treated wastewater to the banks of UNT Tohichon Creek.

The design for this facility is not in compliance with DEP's Small Flow Treatment Facilities Manual (Technical Guidance Number 362-0300-002) because of the use of biofilter, therefore, this facility doesn't qualify for coverage under general permit (PAG04.) The NPDES permit was submitted for an individual permit.

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

Approve	Deny	Signatures	Date
x		<i>Vasantha</i> Vasantha Palakurti / Environmental Engineering Specialist	September 30, 2024
		Pravin C. Patel, P.E. / Environmental Engineer Manager	

Summary of Review

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.	001	Design Flow (MGD)	.0004
Latitude	40° 26' 14.19"	Longitude	-75° 17' 30.60"
Quad Name		Quad Code	
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to Tohickon Creek (TSF, MF)	Stream Code	03180
NHD Com ID	26053440	RMI	0.1000
Watershed No.	2-D	Chapter 93 Class.	TSF, MF
Assessment Status	Attaining Use(s)		
TMDL Status	None	Name	

Changes Since Last Permit Issuance: No changes to the treatment system.

Compliance History

Summary of DMRs:	AMR's have not been submitted for this system since 2022
Summary of Inspections:	92A.1(B): NPDES - Discharge of pollutants from a point source into surface waters without an NPDES permit Permit expired on March 31, 2024. 2. 25 Pa. Code 92a.41(a)(12): Failure to submit monitoring reports Plans to consult with contractor about sampling details AMR's have not been submitted for this system since 2022

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
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9	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	200.0	XXX	1000	1/year	Grab