

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0244953
APS ID 1122842
Authorization ID 1501599

Applicant, Facility and Project Information

Applicant Name <u>Haaz Edward J</u>	Facility Name <u>Haaz Properties</u>
Applicant Address <u>1878 Sugar Bottom Road</u>	Facility Address <u>1878 Sugar Bottom Road</u>
<u>Furlong, PA 18925</u>	<u>Furlong, PA 18935</u>
Applicant Contact <u>Edward Haaz</u>	Facility Contact <u>Edward Haaz</u>
Applicant Phone <u>(215) 353-2581</u>	Facility Phone <u>(215) 353-2581</u>
Client ID <u>336290</u>	Site ID <u>818687</u>
SIC Code <u>8811</u>	Municipality <u>Warwick Township</u>
SIC Description <u>Services - Private Households</u>	County <u>Bucks</u>
Date Application Received <u>September 12, 2024</u>	WQM Required <u>Yes, issued</u>
Date Application Accepted <u></u>	WQM App. No. <u>0917404</u>
Project Description <u>Application for a renewal of NPDES permit for discharge of treated Sewage</u>	

Summary of Review

This Fact Sheet summarize the review of the NPDES permit application for Haaz SRSTP, located in Warwick Township, Bucks County. The SRSTP serves an existing three-bedroom dwelling on 1.34 acres. The project generates 400 gallons of sewage per day to be treated by a SRSTP discharging to a stone-lined trench and vegetated swale. Any remaining effluent not absorbed by the trench and vegetated swale will flow to a dry swale which drains to Neshaminy Creek.

The permit limits are carried over from previous permit. The permit limits included in the NPDES permit were recommended by the SOP for NPDES permits for small flow treatment facilities. A review of the alternative small flow treatment facilities approved by Pennsylvania shows an alternative system with 64% total nitrogen reduction and recommended a total nitrogen limit of 20 mg/l. Therefore, a total nitrogen limit of 20 mg/l is included in the permit. A monitoring requirement for total phosphorus is included in the permit to address the Neshaminy Creek nutrient impairment.

Act 14 Notifications:

Warwick Township - March 3, 2025
Bucks County Health Department - March 3, 2025

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*

Approve	Deny	Signatures	Date
X		<i>Christian French</i> Christian French / Environmental Engineering Specialist	March 19, 2025
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineering Manager	March 19, 2025

Summary of Review

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° 16' 29.27"</u>	Longitude	<u>-75° 4' 43.75"</u>
Quad Name	<u>Buckingham</u>	Quad Code	<u>7-23-2</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Neshaminy Creek (TSF, MF)</u>	Stream Code	<u>02484</u>
NHD Com ID	<u>25475974</u>	RMI	<u>30.0</u>
Drainage Area		Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)		Q ₇₋₁₀ Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	<u>2-F</u>	Chapter 93 Class.	<u>TSF, MF</u>
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>NUTRIENTS, ORGANIC ENRICHMENT, PATHOGENS, SILTATION</u>		
Source(s) of Impairment	<u>MUNICIPAL POINT SOURCE DISCHARGES, MUNICIPAL POINT SOURCE DISCHARGES, SOURCE UNKNOWN, SOURCE UNKNOWN</u>		
TMDL Status	<u>Final</u>	Name	<u>Neshaminy Creek</u>
Background/Ambient Data		Data Source	
pH (SU)			
Temperature (°F)			
Hardness (mg/L)			
Other:			
Nearest Downstream Public Water Supply Intake			
PWS Waters		Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	

Changes Since Last Permit Issuance: None

Other Comments: N/A

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 (cfs)	XXX	XXX	Report Daily Min	XXX	XXX	XXX	1/year	Estimate
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	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
Total Nitrogen	XXX	XXX	XXX	20.0	XXX	40.0	1/year	Calculation
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments: N/A