

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0245291
APS ID 1035482
Authorization ID 1349575

Applicant, Facility and Project Information

Applicant Name	<u>Robert Roth</u>	Facility Name	<u>Robert Roth Property</u>
Applicant Address	<u>908 Kulp Drive</u> <u>Perkiomenville, PA 18071</u>	Facility Address	<u>908 Kulp Road</u> <u>Perkiomenville, PA 18074-9634</u>
Applicant Contact	<u>Robert Roth</u>	Facility Contact	<u>Robert Roth</u>
Applicant Phone	<u>(215) 679-9082</u>	Facility Phone	<u>(215) 679-9082</u>
Client ID	<u>361945</u>	Site ID	<u>839352</u>
SIC Code	<u>4952</u>	Municipality	<u>New Hanover Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Montgomery</u>
Date Application Received	<u>April 1, 2021</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>Not Applicable</u>	WQM App. No.	<u>4621405</u>
Project Description	<u>New SRSTP to replace an on-lot system.</u>		

Summary of Review

The applicant requests a new, individual National Pollutant Discharge Elimination System (NPDES) permit for a single residence to replace a malfunctioning on-lot system with a treatment plant and stream discharge. The flow rate is 500 gallons per day (gpd). The treatment plant will consist of an 1000 gallon septic tank with an effluent filter and an AdvanTex AX-20RTUV unit equipped with a recirculating filter and UV disinfection. The plant will discharge to Unnamed Tributary to Deep Creek.

Proposed effluent limitations are consistent with the DEP's Standard Operating Procedure (SOP) New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications, SOP No. BCW-PMT-033, Version 1.8. This facility does not use chlorine as a disinfectant so Total Residual Chlorine (TRC) is not included in the permit; however, monitoring on the ultraviolet system is included which is standard practice in the region. In addition, pH limitations were added to the permit which is consistent with Chapter 95 of the PA Code. The treatment facility is expected to meet the effluent limitations set forth in this permit.

The facility received Plan 537 approval on November 18, 2020 (DEP Code No. 1-46941-227-3s) for a small flow treatment facility that will generate 500 gpd to an Unnamed Tributary to Deep Creek.

Proposed Part C Conditions:

- A. AMR to DEP
- B. DMR to DEP if Attached
- C. 1/year Measure Depth of Septage and Scum
- D. Septic Tanks Pumped Once Every Three Years
- E. Total Residual Chlorine Requirement
- F. No Stormwater

Approve	Deny	Signatures	Date
X		Harmonie Hawley, PhD, PE / Environmental Engineering Specialist /s/	May 7, 2021
X		Pravin C. Patel, P.E. / Environmental Engineer Manager /s/	05/07/2021

Summary of Review

- G. Necessary Property Rights
- H. Proper Sludge Disposal
- I. Abandon STP when Municipal Sewers Available

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>.0005</u>
Latitude	<u>40° 21' 2.87"</u>	Longitude	<u>-75° 31' 50.73"</u>
Quad Name	<u>Sassamansville</u>	Quad Code	<u>1641</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Deep Creek (TSF, MF)</u>	Stream Code	<u>01411</u>
NHD Com ID	<u>25994142</u>	RMI	<u>2.97</u>
Watershed No.	<u>3-E</u>	Chapter 93 Class.	<u>TSF, MF</u>
Existing Use	<u>Aquatic Life, Recreation</u>	Existing Use Qualifier	<u>Unknown</u>
Assessment Status	<u>Attaining Use(s)</u>		
TMDL Status	<u>Not Applicable</u>	Name	<u>Not Applicable</u>
Nearest Downstream Public Water Supply Intake	<u>None</u>		
PWS Waters	<u>Not Applicable</u>	Flow at Intake (cfs)	<u>Not Applicable</u>
PWS RMI	<u>Not Applicable</u>	Distance from Outfall (mi)	<u>Not Applicable</u>

Changes Since Last Permit Issuance: Not Applicable

Other Comments: Unnamed Tributary to Deep Creek is not on the DEP mapping system so information is provided for Deep Creek.

Compliance History	
Summary of DMRs:	Not Applicable
Summary of Inspections:	Not Applicable

Other Comments: This is a new facility.

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	9.0	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	XXX	1/year	Grab
UV Intensity (mW/cm ²)	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab

Compliance Sampling Location: Outfall 001

Other Comments: None