

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0244813
APS ID 1029813
Authorization ID 1338570

Applicant, Facility and Project Information

Applicant Name	<u>Becker Jeremiah S</u>	Facility Name	<u>Becker SRSTP</u>
Applicant Address	<u>10 Jug Hollow Road</u> <u>Phoenixville, PA 19460</u>	Facility Address	<u>10 Jug Hollow Road</u> <u>Phoenixville, PA 19460</u>
Applicant Contact	<u>Jeremiah Becker</u>	Facility Contact	<u>Jeremiah Becker</u>
Applicant Phone	<u>(484) 634-6197</u>	Facility Phone	<u>(484) 634-6197</u>
Client ID	<u>357204</u>	Site ID	<u>809643</u>
SIC Code	<u>8811</u>	Municipality	<u>Schuylkill Township</u>
SIC Description	<u>Services - Private Households</u>	County	<u>Chester</u>
Date Application Received	<u>December 24, 2020</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>Permit Renewal.</u>		

Summary of Review

The applicant requests renewal of an NPDES permit to discharge treated sewage from an SRSTP located at 10 Jug Hollow Road to an UNT to Schuylkill River (Jug Hollow) designated as HQ-TSF and MF.

According to the previous records, the small flow wastewater treatment facility consists of a 1,500 gallon dual compartment concrete septic tank followed by an Orenco filter with a minimum surface area of 5 sq ft, an Orenco Advantex pre-packaged wastewater system that includes a recirculation pump, media textile sheets, and UV disinfection.

The treatment plant was permitted under WQM Permit no. 1515403 issued on 01/04/2016.

As part of the renewal, applicant submitted sampling results which shows TSS concentration is higher than the permit limit.

No changes to the treatment system, influent quality, stream designation etc.

The existing permit limits are recommended to continue as follows:

Parameters	Limit (mg/l) (annual average)
BOD5	10
TSS	10
Fecal Coliform	200
pH	6.0 to 9.0 SU at all times

These limits are consistent with the requirements of PAG04 General Permit for discharges from SFTFs.

Approve	Deny	Signatures	Date
X		<i>Sara Abraham</i> Sara Reji Abraham, E.I.T. / Project Manager	March 11, 2021
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	03/11/2021

Summary of Review

Monitoring frequency is once per year similar to the existing permit. Since UV is used for disinfection, a part C condition requiring monthly cleaning of UV contact surface is incorporated into the permit.

Act 14 Notification:

Schuylkill Township - December 24, 2020
Chester County - December 24, 2020

Permit Conditions:

- A. AMR Submission
- B. DMR Submission
- C. Measurement of Septage
- D. Pumping of Septic Tanks
- E. Chlorine Optimization
- F. No Stormwater
- G. Acquire Necessary Property Rights
- H. Proper Sludge Disposal
- I. Abandon STP when Municipal Sewers Available
- J. UV Contact Surface 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, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0005</u>
Latitude	<u>40° 5' 56.57"</u>	Longitude	<u>-75° 28' 49.15"</u>
Quad Name	<u>Valley Forge</u>	Quad Code	<u>1842</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Schuylkill River (HQ-TSF, MF) (Jug Hollow)</u>	Stream Code	<u>01015</u>
NHD Com ID	<u>26003262</u>	RMI	<u>0.6300</u>
Watershed No.	<u>3-F</u>	Chapter 93 Class.	<u>HQ-TSF, MF</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>cause unknown, flow regime modification</u>		
Source(s) of Impairment	<u>urban runoff/storm sewers</u>		

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