

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0245569
APS ID 1099010
Authorization ID 1458597

Applicant, Facility and Project Information

Applicant Name	<u>John D Stipa & Monica Sanfelice</u>	Facility Name	<u>1310 Kriebel Mill Rd SFTF</u>
Applicant Address	<u>1310 Kriebel Mill Road</u> <u>Collegeville, PA 19426-1525</u>	Facility Address	<u>1310 Kriebel Mill Road</u> <u>Collegeville, PA 19426-1525</u>
Applicant Contact	<u>John Stipa</u>	Facility Contact	<u>John Stipa</u>
Applicant Phone	<u></u>	Facility Phone	<u></u>
Client ID	<u>380407</u>	Site ID	<u>842362</u>
SIC Code	<u>8800</u>	Municipality	<u>Worcester Township</u>
SIC Description	<u>Private Households</u>	County	<u>Montgomery</u>
Date Application Received	<u>September 7, 2023</u>	WQM Required	<u></u>
Date Application Accepted	<u></u>	WQM App. No.	<u>4623405</u>
Project Description	<u>.</u>		

Summary of Review

The applicant requests approval for NPDES Permit to discharge treated sewage from a small flow package treatment plant serving an existing 3 bedroom single residence, located at 1310 Kriebel Mill Rd., Collegeville located in Worcester Township, Montgomery County. This system is to replace an existing malfunctioning on-lot system.

This project will generate 400 gallons of sewage per day to be treated by SFTF with a discharge to a tributary of UNT Skippack Creek.

The proposed treatment plant consists of the following treatment units:

1. Primary treatment via a 1000-gallons, single chambered septic tank with a biotube effluent filter.
2. Effluent from the septic tank will enter an Orenco AC20RTUV treatment system via gravity.
3. Disinfection will be provided by UV Disinfection Unit.
4. The final discharge to the outfall will be pumped via 2" HDPE pipe to an outfall 001. The outfall will discharge to UNT Skippack Creek.

The approval of this project is specifically made contingent that nitrogen-reducing treatment component be part of the proposed SFTF where the Total nitrogen shall not exceed 20 mg/l.

The design of the treatment doesn't comply with Small Flow Treatment Facilities Manual (Technical Guidance Number 362-0300-002) because of the use of Orenco Advantex A20RTUV treatment system, therefore, this facility doesn't qualify for coverage under general permit (WQG01) and required to submit an Individual WQM permit application. The Design Engineer's Report stated that the proposed treatment plant will be able to meet the effluent limitations applicable to Individual Single Residence Sewage Treatment Plants.

Act 537 Planning was approved on June 20, 2020 under DEP CODE No. 1-46962-203-3s.

Approve	Deny	Signatures	Date
x		<i>Vasantha</i> Vasantha Palakurti / Environmental Engineering Specialist	October 31, 2023
		Pravin C. Patel, P.E. / Environmental Engineer Manager	

Summary of Review

Act 14 Notices:

Worcester Township – June 24, 2020
Montgomery County Planning Commission - June 24, 2020

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>.0004</u>
Latitude	<u>40° 11' 11.45"</u>	Longitude	<u>-75° 23' 7.05"</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary of Skippack Creek (TSF, MF)</u>	Stream Code	<u>01041</u>
NHD Com ID	<u>25966178</u>	RMI	<u>0.1800</u>
Watershed No.	<u>3-E</u>	Chapter 93 Class.	<u>TSF, MF</u>
Assessment Status	<u>Attaining Use(s)</u>		
TMDL Status	<u>Final</u>	Name	<u>Skippack Creek Watershed TMDL</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 (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	XXX	XXX	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	20.0	XXX	XXX	1/year	Grab