

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0244732
APS ID 1141811
Authorization ID 1534631

Applicant, Facility and Project Information

Applicant Name <u>Huber Mark</u>	Facility Name <u>Huber Residence</u>
Applicant Address <u>1305 Yellow Springs Road</u> <u>Chester Springs, PA 19425-1505</u>	Facility Address <u>1305 Yellow Springs Road</u> <u>Chester Springs, PA 19425-1505</u>
Applicant Contact <u>Mark Huber</u>	Facility Contact <u>Mark Huber</u>
Applicant Phone <u>(610) 827-5052</u>	Facility Phone <u>(610) 827-5052</u>
Client ID <u>318653</u>	Site ID <u>788039</u>
SIC Code <u>8811</u>	Municipality <u>West Pikeland Township</u>
SIC Description <u>Services - Private Households</u>	County <u>Chester</u>
Date Application Received <u>July 21, 2025</u>	WQM Required _____
Date Application Accepted _____	WQM App. No. _____
Project Description <u>Renewal</u>	

Summary of Review

The PA Department of Environmental Protection (PADEP/Department) received a NPDES renewal application to discharge approximately 400 gallons per day (gpd) of treated sewage from a single residence sewage treatment plant (SRSTP) to a Pine Creek which is classified as a HQ-TSF under chapter 93 in watershed 3-E.

The facility consists of 1,000 gallons dual compartment septic tank with Bio tube Pump Package, Advantex AX20 textile filter, Premier Tech Di-UV ultraviolet disinfection treatment unit, discharge to stream.

The effluent limitations and monitoring requirements are derived from the Department's Standard Operating Procedure (SOP) for New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications (SOP No. BPNPSM-PMT-003). Since the receiving stream is designated as HQ-TSF, DEP's Antidegradation Policy is applicable to this site. BOD₅ is replaced with CBOD₅.

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.

Approve	Deny	Signatures	Date
x		<i>Vasantha</i> Vasantha Palakurti / Environmental Engineering Specialist	August 29, 2025
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	09/2/2025

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° 5' 3.04"	Longitude	-75° 36' 44.19"
Quad Name		Quad Code	
Wastewater Description: Sewage Effluent			
Receiving Waters	Pine Creek (HQ-TSF, MF)	Stream Code	01530
NHD Com ID	25980320	RMI	0.7700
Drainage Area	4.93 sq mi	Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)	0.68	Q ₇₋₁₀ Basis	
Elevation (ft)	300	Slope (ft/ft)	
Watershed No.	3-D	Chapter 93 Class.	HQ-TSF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	CAUSE UNKNOWN		
Source(s) of Impairment	URBAN RUNOFF/STORM SEWERS		

Development of Effluent Limits:

The SRSTP discharges into the Butter Creek which is designated as High Quality – Trout Stocking Fishes (HQ-TSF), Migratory Fishes (MF).

CBOD₅ & NH₃-N:

Since the receiving stream is designated as HQ-TSF, DEP's Antidegradation Policy is applicable to this site. Existing effluent limitations of CBOD₅ (10 mg/l) and NH₃-N (3mg/l) are more stringent than the ABACT. Therefore, no changes to the limits. BOD₅ is replaced with CBOD₅.

Minimum measuring frequency for all permit parameters, will be required once per year.

DO:

DO is an existing parameter and will remain unchanged.

Flow, BOD₅, TSS and Fecal Coliform:

Limits for above mentioned parameters are derived from Standard Operating Procedure for New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications (SOP No. BCW-PMT-003). Minimum measuring frequency for all permit parameters will be required once per year in accordance with the SOP.

Total Suspended Solids:

The average monthly effluent limit for TSS is 20 mg/l per ABACT. The DEP's SOP (SOP No. BCW-PMT-003) limitations are more stringent than the ABACT, therefore TSS of 10 mg/l is included in this permit and unchanged.

pH:

pH (6 – 9 STD units) is unchanged

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	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	9.0	XXX	1/year	Grab
DO	XXX	XXX	6.0	XXX	XXX	XXX	1/year	Grab
CBOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (CFU/100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/year	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab
Ammonia	XXX	XXX	XXX	3.0	6.0 Daily Max	XXX	1/year	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab