

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0055689
APS ID 1127412
Authorization ID 1509464

Applicant, Facility and Project Information

Applicant Name <u>Clemens Andrew S & Clemens Elaine R</u>	Facility Name <u>Clemens SRSTP</u>
Applicant Address <u>485 Camp Rock Hill Road</u> <u>Quakertown, PA 18951-5352</u>	Facility Address <u>485 Camp Rock Hill Road</u> <u>Quakertown, PA 18951-5352</u>
Applicant Contact <u>Andrew Clemens</u>	Facility Contact <u>Andrew Clemens</u>
Applicant Phone _____	Facility Phone _____
Client ID <u>262203</u>	Site ID <u>450984</u>
SIC Code <u>4952</u>	Municipality <u>Richland Township</u>
SIC Description <u>Trans. & Utilities - Sewerage Systems</u>	County <u>Bucks</u>
Date Application Received <u>November 25, 2024</u>	WQM Required _____
Date Application Accepted _____	WQM App. No. _____
Project Description <u>Renewal</u>	

Summary of Review

The applicant applied for renewal of a National Pollutant Discharge Elimination system (NPDES) permit to discharge treated wastewater from a single residence sewage treatment plant to Butter Creek. The discharging stream is a High-Quality stream with Trout Stocking Fish and Migratory Fish.

The facility is built and active. Based on the previous application description, the facility consists of a dual chambered 500-gal septic tank, consisting of sand filter, and chlorination tank.

There is no process change since last permit issuance. Monitoring frequency for all parameters has been changed to once a year (with exceptions to winter months) from Upon Request to keep it consistent with the SOP No. BCW-PMT-003 and all other NPDES Individual SRSTP permits.

Since the discharge is to High Quality receiving stream, effluent limitations and monitoring requirements are proposed based on the Antidegradation Best Available Control Technology (391-0300-002), and Standard Operating Practices.

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	December 23, 2024
x		Pravin C. Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	December 24, 2024

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.00005
Latitude	40° 23' 39.31"	Longitude	-75° 21' 57.47"
Quad Name		Quad Code	
Wastewater Description: Sewage Effluent			
Receiving Waters	Butter Creek (HQ-TSF, MF)	Stream Code	01388
NHD Com ID	25992324	RMI	2.5
Drainage Area		Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)		Q ₇₋₁₀ Basis	
Elevation (ft)		Slope (ft/ft)	
Watershed No.	3-E	Chapter 93 Class.	HQ-TSF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		

Changes Since Last Permit Issuance: There is no process change since last permit issuance.

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.

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

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 (GPD)	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
CBOD5 Nov 1 - Apr 30	XXX	XXX	XXX	20.0	XXX	40	Upon Request	Grab
CBOD5 May 1 - Oct 31	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
Ammonia Nov 1 - Apr 30	XXX	XXX	XXX	9.0	XXX	19	Upon Request	Grab
Ammonia May 1 - Oct 31	XXX	XXX	XXX	3.0	XXX	6	1/year	Grab
TRC	XXX	XXX	Report	Report	XXX	XXX	1/month	Grab