

Application Type Renewal
Wastewater Type Sewage
Facility Type PAG4R

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

Application No. PA0261386
APS ID 1059684
Authorization ID 1507645

Applicant, Facility and Project Information

Applicant Name	<u>Anthony Calicchio</u>	Facility Name	<u>220 Shatto Drive SRSTP</u>
Applicant Address	<u>220 Shatto Drive</u> <u>Carlisle, PA 17013-0121</u>	Facility Address	<u>220 Shatto Drive</u> <u>Carlisle, PA 17013-2121</u>
Applicant Contact	<u>Anthony Calicchio</u>	Facility Contact	<u>Anthony Calicchio</u>
Applicant Phone	<u>(760) 898-8874</u>	Facility Phone	<u>(760) 898-8874</u>
Client ID	<u>368964</u>	Site ID	<u>714827</u>
SIC Code	<u>4952</u>	Municipality	<u>North Middleton Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Cumberland</u>
Date Application Received	<u>November 22, 2024</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>November 27, 2024</u>	WQM App. No.	<u></u>
Project Description	<u>NPDES Permit Renewal.</u>		

Summary of Review

This report supports the reissuance of an NPDES permit for discharge of treated sewage from the existing single residence sewage treatment plant (SRSTP) expected to be located in North Middleton Township, Cumberland County. The permit was last reissued on May 13, 2020 and became effective on June 1, 2020. The permit was amended on April 22, 2022 to reflect a change in ownership. The permit expired on May 31, 2025.

Based on the review, it is recommended that the NPDES permit be drafted.

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>Jinsu Kim</i> Jinsu Kim / Environmental Engineering Specialist	February 17, 2026
x		<i>Maria D. Bebenek</i> for Daniel W. Martin, P.E. / Environmental Engineer Manager	February 25, 2026
x		<i>Maria D. Bebenek</i> Maria D. Bebenek, P.E. / Program Manager	February 25, 2026

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	0.0005
Latitude	40° 13' 21.54"	Longitude	-77° 12' 54.36"
Quad Name	Carlisle	Quad Code	
Wastewater Description: Sewage Effluent			
Receiving Waters	Conodoguinet Creek (WWF)	Stream Code	10194
NHD Com ID	56406381	RMI	40.84 miles
Drainage Area	370 mi. ²	Yield (cfs/mi. ²)	0.12 cfs/mi. ²
Q ₇₋₁₀ Flow (cfs)	46.1	Q ₇₋₁₀ Basis	USGS StreamStats
Elevation (ft)	413	Slope (ft/ft)	
Watershed No.	07B	Chapter 93 Class.	Warm Water Fishes
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Wrightsville Borough Municipal Authority, York County		
PWS Waters	Susquehanna River	Flow at Intake (cfs)	
PWS RMI	28.5 miles	Distance from Outfall (mi)	Approximate 69.4 miles

Treatment Facility Summary

The SRSTP serves a 4-bedroom house (500 GPD). The treatment system consists of a 1,250-gallon two-compartment septic tank with an effluent filter (Zabel filter), a STB-650 Ecoflo peat filter, and a 250-gallon chlorine contact tank with a Jet-Chlor Model 100 tablet chlorinator. The Water Quality Management (WQM) permit was issued on November 17, 2009 (WQM Permit No. 2109406).

Compliance History

Summary of DMRs: No Annual Maintenance Report is available for review. A draft permit cover letter will indicate that AMRs must be submitted.

Summary of Inspections: 11/14/2024: DEP conducted a routine inspection; no significant violation was noted at the time of inspection. The inspection report recommended that the septage/scum in the septic tank be pumped routinely.

Other Comments: There is currently no open violation associated with the discharge.

Development of Effluent Limitations and Monitoring Requirements

All existing effluent limits and monitoring requirements will remain unchanged in the permit. Initially, DEP attempted to convert this permit to PAG-04 General Permit; however, sample results previously provided by the permittee show high TSS, Fecal Coliform and CBOD values. DEP wanted to see additional sample results after the tank is pumped but the permittee has continuously failed to provide this information at this time. Therefore, DEP will continue to issue an individual permit for this facility.

No nutrient monitoring requirement is recommended for this facility. Facilities that are designed based on a flow of less than or equal to 2,000 GPD or considered as SRSTPs are exempt from the Bay requirements.

The discharge is located in a stream segment listed as attaining uses; therefore, no TMDL has been taken into consideration during this review.

The discharge is to non-special protection waters/watershed. No HQ/EV waters are impacted by this discharge. The effluent limits for this discharge have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected.

No Class A Wild Trout Fishery is impacted by this discharge.

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	2/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/year	Grab
TRC	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
CBOD ₅	XXX	XXX	XXX	10.0	XXX	20.0	2/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	2/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	2/year	Grab