

Application Type Renewal  
Wastewater Type Sewage  
Facility Type SRSTP

## NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0261866  
APS ID 780621  
Authorization ID 1498369

### Applicant, Facility and Project Information

Applicant Name	<u>Kevin &amp; Mariola McGee</u>	Facility Name	<u>111 Amity Park Road SRSTP</u>
Applicant Address	<u>PO Box 596</u>	Facility Address	<u>111 Amity Park Road</u>
	<u>Birdsboro, PA 19508-0596</u>		<u>Amity Twp, PA 19508</u>
Applicant Contact	<u>Mariola McGee</u>	Facility Contact	<u>Kevin &amp; Mariola McGee</u>
Applicant Phone	<u>(610) 679-9009</u>	Facility Phone	<u>(610) 679-9009</u>
Client ID	<u>295334</u>	Site ID	<u>758885</u>
SIC Code	<u>4952</u>	Municipality	<u>Amity Township</u>
SIC Description	<u>Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Berks</u>
Date Application Received	<u>September 5, 2024</u>	WQM Required	<u>Already possess (0612404)</u>
Date Application Accepted	<u>October 24, 2024</u>	WQM App. No.	
Project Description	<u>Renewal of NPDES permit for Single Residence Sewage Treatment Plant (SRSTP)</u>		

### Summary of Review

The existing permit was issued October 30, 2019. A renewal application was submitted by email on September 5, 2024. Additional information was forwarded to DEP by email on October 24, 2024, to complete the renewal application. DEP's letter of October 28, 2024, administratively extended the existing permit past its expiration date of November 1, 2024.

The first National Pollutant Discharge Elimination System (NPDES) permit for this facility was issued by DEP on August 15, 2012, to replace a failing on-lot system. A Water Quality Management (WQM) permit, #0612404, was also issued by DEP on August 15, 2012. Unlike more recently issued WQM permits, the WQM permit did not include an expiration date or a date by which construction had to commence. The existing house has not been renovated and is currently unoccupied. The sewage treatment system has not been installed.

Annual Maintenance Reports (AMRs) and annual fees must still be submitted as long as the NPDES permit has not been terminated. If the NPDES permit were to be terminated, a new WQM permit application and a new NPDES permit application, with fees, would be needed prior to construction of any sewage treatment system.

*For the sake of documentation:*

*-DEP Sewage Planning Approval: A3-06917-194-3S*

*-2012 WQM permit's Fact Sheet described the following treatment system to serve a 3-bedroom house:*

- *Precast concrete 1500 gallon septic tank*
- *gravity design*
- *Orenco 4" Biotube Effluent Filter, with high level alarm*
- *EcoFlow Peat Biofilter, STB-650B with 183 cu. in. peat material*
- *Salcor Model 3G UV Disinfection unit, 3-6 gpm flow, with alarm*

Approve	Deny	Signatures	Date
x		Bonnie Boylan Bonnie Boylan / Environmental Engineering Specialist	September 17, 2025
x		Maria D. Bebenek for Daniel W. Martin, P.E. / Environmental Engineer Manager	September 18, 2025

The parameter BOD<sub>5</sub> in the existing permit was changed to CBOD<sub>5</sub> in the draft renewal permit to match the current general permit for Small Flow Treatment Facilities (SFTFs), the PAG-04, and the current Annual Maintenance Report forms, and DEP's Standard Operating Procedure (SOP) for New and Reissuance Individual SFTF NPDES Permits, revised 11/9/2023. (BOD<sub>5</sub> includes nitrogenous oxygen demand whereas CBOD<sub>5</sub> does not. Permits may include either parameter but usually not both.)

The monitoring frequency in the existing permit, twice per year, has been changed to once per year consistent with the DEP's SOP for New and Reissuance Individual SFTF NPDES Permits, revised 11/9/2023.

The pH limits in the existing permit were dropped consistent with the DEP's SOP for New and Reissuance Individual SFTF NPDES Permits, revised 11/9/2023.

Whereas this permittee may be moved into the general permit PAG-04 in the future, DEP is not converting the individual permit into coverage under the PAG-04 at this time: the treatment system that was approved has not been installed; it is possible that the plans will change and a different treatment system will be installed (after obtaining a WQM permit); there are no sampling results to assure DEP that the system is working adequately / will work adequately; and the discharge is to a very small receiving stream. (The PAG-04 only requires monitoring 'upon request'.)

The Design Engineers Report with the WQM permit application stated that the peat media would need to be replaced, such as every seven years. The original NPDES permit included a requirement to replace the media as specified by the manufacturer and attach record of its replacement to that year's AMR. The same permit condition is contained in Part C of the draft renewal permit.

The other Part C conditions in the draft renewal permit are standard for SRSTPs that use UV disinfection. The Annual Maintenance Form has changed from that required in the existing permit: it now requires documenting maintenance activities during the calendar year instead of from June 1 to May 31 each year. The submittal data has not changed: June 30 each year (although the permittee may choose to submit it earlier).

#### Delaware River Basin Commission (DRBC)

Because the discharge is to a stream within the Delaware River watershed, a copy of the draft permit and the Fact Sheet will be sent to the DRBC in accordance with State regulations and an interagency agreement. Any comments from DRBC will be considered. Note: There is no DRBC docket; the discharge is below DRBC's reviewable threshold.

#### Outstanding Violations:

According to DEP's Compliance History by Client Report, there are no outstanding violations for this client.

#### 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.

EXISTING PERMIT LIMITS, Outfall 001:

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day)		Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Annual Average	Average Weekly	Instant. Minimum	Annual Average	Average Weekly	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	2/year	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/year *	Grab
BOD5	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	XXX	XXX	2/year *	Grab

\*2/year sampling to be spaced out with one sample collected in warm months (May-Sep) and one sample collected in cool months (Oct-Apr)

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at discharge from the facility

**Discharge, Receiving Waters and Water Supply Information**

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>40° 17' 16" (40.287778)</u>	Longitude	<u>-75° 45' 41" (-75.761389)</u>
Quad Name	<u></u>	Quad Code	<u></u>
Wastewater Description: <u>Sewage Effluent</u>			

Receiving Waters	<u>Unnamed Tributary of Monocacy Creek (WWF, MF)</u>	Stream Code	<u>01727</u>
NHD Com ID	<u>25963564</u>	RMI	<u>0.41</u>
Drainage Area	<u>0.52 miles<sup>2</sup></u>	Yield (cfs/mi <sup>2</sup> )	<u>0.1</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.052, estimated</u>	Q <sub>7-10</sub> Basis	<u>USGS PA Stream Stats</u>
Elevation (ft)	<u>180, estimated</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>3-D</u>	Chapter 93 Class.	<u>WWF, MF</u>
Existing Use	<u>None designated</u>	Existing Use Qualifier	<u>Not applicable</u>
Exceptions to Use	<u></u>	Exceptions to Criteria	<u></u>
Assessment Status	<u>Impaired for Recreational Use (Assessment ID 19166)</u>		
Cause(s) of Impairment	<u>Pathogens</u>		
Source(s) of Impairment	<u>Unknown</u>		
TMDL Status	<u>None</u>	Name	<u></u>

Secondary Waters:  
UNT 01727 empties into UNT 01726 (WWF, Impaired - Pathogens) at RMI 1.4 which empties into Monocacy Creek (WWF, Impaired-Pathogens) at RMI 0.8 which empties into Schuylkill River at RMI 61 (approx.)

Background/Ambient Data - none available	Data Source -none shown on eMapPA
pH (SU)	<u></u>
Temperature (°F)	<u></u>
Hardness (mg/L)	<u></u>
Other:	<u></u>

Nearest Downstream Public Water Supply Intake	<u>Pottstown Borough Water Authority</u>
PWS Waters	<u>Schuylkill River</u>
PWS RMI	<u>Approx.. 57</u>
	Flow at Intake (cfs) <u></u>
	Distance from Outfall (mi) <u>Approx. 6.6 miles</u>

Other Comments:

-Receiving water and downstream waters are NOT Class A Wild Trout or Trout Natural Reproduction waters

Compliance History	
<b>Summary of AMRs:</b>	AMRs submitted indicating Treatment System has not been installed. No Service Provider signature/inspection thus required. No sampling results because no discharge.
<b>Summary of Inspections:</b>	September 12, 2022 - SRSTP not built. No discharges. AMRs not submitted. Violation issued for failure to submit AMRs. (Resolved)

Other Comments:

SRSTPs are not required to report sampling results in DEP's eDMR system. The existing permit for this facility requires AMRs and does not require DMRs.

**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 as needed and BPJ. Instantaneous Maximum (IMAX) limits are generally determined using multipliers of 2 (sewage) or 2.5 (industrial). 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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Annual Average	Average Weekly	Instant. Minimum	Annual Average	Average Weekly	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
CBOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

ATTACHMENTS:

