

Application Type Renewal
Wastewater Type Sewage
Facility Type SRSTP

NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP

Application No. PA0272400
APS ID 1115699
Authorization ID 1488578

Applicant, Facility and Project Information

Applicant Name <u>Frank R. Palmiero</u>	Facility Name <u>Frank R. Palmiero SRSTP</u>
Applicant Address <u>145 Cressingham Lane</u> <u>Powell, OH 43065-6660</u>	Facility Address <u>149 Farley Lane</u> <u>Tidioute, PA 16351</u>
Applicant Contact <u>Frank Palmiero (fpalmier@columbus.rr.com)</u>	Facility Contact <u>Frank Palmiero (fpalmier@columbus.rr.com)</u>
Applicant Phone <u>(614) 296-2201</u>	Facility Phone <u>(614) 296-2201</u>
Client ID <u>350931</u>	Site ID <u>835800</u>
SIC Code <u>8800</u>	Municipality <u>Hickory Township</u>
SIC Description <u>Private Households</u>	County <u>Forest</u>
Date Application Received <u>May 24, 2024</u>	WQM Required <u>No</u>
Date Application Accepted <u>June 13, 2024</u>	WQM App. No. <u>-</u>
Project Description <u>Renewal of an NPDES Permit for an existing discharge of treated sanitary wastewater.</u>	

Summary of Review

Act 14 - Proof of Notification was submitted and received.

The applicant should be able to meet the limits of this permit, which will protect the uses of the receiving stream.

I. OTHER REQUIREMENTS:

- | | |
|--|---------------------------------|
| A. AMRs | F. Stormwater into sewers |
| B. DMRs | G. Right of way |
| C. Depth of Septage and Scum Measurement | H. Solids handling |
| D. Septic Tank Pumping | I. Public Sewerage Availability |
| E. Effluent Chlorine Optimization and Minimization | |

SPECIAL CONDITIONS: None.

Existing treatment consists of: A 1,500 gallon dual compartment septic tank, a Premier Tech Coco filter with effluent pumping, and (WQM Permit no. 2719401) a Salcor 3G UV unit.

There are no open violations in effects for Client ID 350931 as of 5/7/2025.

Approve	Deny	Signatures	Date
X		Stephen A. McCauley	5/7/2025
		Stephen A. McCauley, E.I.T. / Project Manager	
X		Adam Olesnanik	5/12/2025
		Adam Olesnanik, P.E. / Environmental Engineer Manager	

Discharge, Receiving Waters and Water Supply Information

Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0005</u>
Latitude	<u>41° 37' 8.51"</u>	Longitude	<u>-79° 23' 56.14"</u>
Quad Name	<u>-</u>	Quad Code	<u>-</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Allegheny River (WWF)</u>	Stream Code	<u>42122</u>
NHD Com ID	<u>100472299</u>	RMI	<u>0.2100</u>
Drainage Area	<u>3590</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>359</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1075</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>16-F</u>	Chapter 93 Class.	<u>Warm Water Fishes</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>
Assessment Status	<u>Impaired*</u>		
Cause(s) of Impairment	<u>Mercury</u>		
Source(s) of Impairment	<u>Source Unknown</u>		
TMDL Status	<u>-</u>	Name	<u>-</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>-</u>	<u>-</u>	
Temperature (°F)	<u>-</u>	<u>-</u>	
Hardness (mg/L)	<u>-</u>	<u>-</u>	
Other:	<u>-</u>	<u>-</u>	
Nearest Downstream Public Water Supply Intake		<u>Aqua Pennsylvania, Inc - Emlenton</u>	
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1,250</u>
PWS RMI	<u>90.0</u>	Distance from Outfall (mi)	<u>73.0</u>

* - The receiving stream is impaired by Mercury. Since this discharge is not expected to contain Mercury, there is no reasonable potential so no monitoring or limits will be added.

In addition, the previous permit Fact Sheet addressed the protection of freshwater mussels in the Allegheny River. It was determined during the previous permit renewal that, for SRSTPs, monitoring or limits were not necessary to protect the mussels, which will be continued with this renewal.

This SFTF was designed where applicable in accordance with the SFTF Manual, but it does not qualify for the PAG-04 General Permit due to the use of a Premier Tech coco filter.

No modeling was performed for this NPDES Permit as the Premier Tech coco filter is capable of meeting CBOD₅ averages of 8.0 mg/l and TSS averages of 6.0 mg/l, which are less than the inputs of the WQ model.

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.

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	9.0	Upon Request	Grab
BOD5	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

Compliance Sampling Location: Outfall 001, after Ultraviolet (UV) light disinfection.

Flow is monitor only based on Chapter 92a.61. The limits for pH are technology-based on Chapter 93.7. The limits for BOD5, Total Suspended Solids, and Fecal Coliforms are technology-based on Chapter 92a.47.