

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0272400
APS ID 996562
Authorization ID 1278987

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, PA 16351</u>	Facility Address	<u>149 Farley Lane</u> <u>Tidioute, PA 16351</u>
Applicant Contact	<u>Frank Palmiero</u>	Facility Contact	<u>Frank Palmiero</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>June 13, 2019</u>	WQM Required	<u>Yes - pending</u>
Date Application Accepted	<u></u>	WQM App. No.	<u>2719401</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</u>		

Summary of Review

The project involves the installation of a new single residence sewage treatment plant to replace an existing malfunctioning onlot system.

Site is located at 149 Farley Lane, Tidioute PA 16351.

Act 537 Planning was approved on June 4, 2019.

Proposed treatment will consist of: A 1,500 gallon dual compartment septic tank, a Premier Tech Coco filter with effluent pumping, and a Salcor 3G UV unit.

The Allegheny River is known to contain state and federally listed threatened and endangered mussel species. Due to this being a direct discharge to the Allegheny River, potential impacts to threatened and endangered mussel species were evaluated. As discussed in numerous SRSTP/SFTF NPDES Permit Fact Sheets (including James Stevens SRSTP – PA 0264938, Mary Hopshire SRSTP – PA0264954, and Cindy Schmoker SRSTP – PA 0265250) The proposed discharge is not expected to adversely effect threatened or endangered mussel species in the Allegheny River considering the expected effluent quality, size of the proposed discharge, and the assimilative capacity of the Allegheny River.

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

Approve	Deny	Signatures	Date
		Emily C. M. Bach / Civil Engineer	
		Justin C. Dickey, P.E. / Environmental Engineer Manager	

Summary of Review

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.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.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>3,590 sq. mi.</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>3,590</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1,075</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>16F</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>1,376</u>
PWS RMI	<u>90.0</u>	Distance from Outfall (mi)	<u>Approx. 73.0</u>

Comments: Mercury is not expected as part of 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 (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	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after the UV disinfection.

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