

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0292796
APS ID 1078359
Authorization ID 1422319

Applicant, Facility and Project Information

Applicant Name	<u>Joseph L Miller</u>	Facility Name	<u>Joseph L Miller SRSTP</u>
Applicant Address	<u>438 Mahood Road</u> <u>Butler, PA 16001</u>	Facility Address	<u>2141 Dawson Run Road</u> <u>West Hickory, PA 16370</u>
Applicant Contact	<u>Joseph Miller</u>	Facility Contact	<u></u>
Applicant Phone	<u>(724) 841-4092</u>	Facility Phone	<u></u>
Applicant E Mail	<u>jmiller1226@yahoo.com</u>	Facility E Mail	<u></u>
Client ID	<u>374457</u>	Site ID	<u>859936</u>
Municipality	<u>Harmony Township</u>	County	<u>Forest</u>
SIC Code	<u>8800</u>	SIC Code	<u>4952</u>
SIC Description	<u>Private Households</u>	SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>
Date Application Received	<u>December 19, 2022</u>	WQM Required	<u>pending</u>
Date Application Accepted	<u>January 23, 2023</u>	WQM App. No.	<u>2722402</u>
Project Description	<u>Construction of a new SRSTP to replace a malfunctioning on-lot facility</u>		

Summary of Review

No violations on file. The proposal is for 400-gpd and 1.1-PPD influent BOD5 based on the smallest residential allowances.

The proposed treatment will consist of (WQM 2722402): 1,000 gallon dual compartment septic tank, Premier Tech EC7-500-C-PDV coco filter with an integrated DiUV unit and effluent pump.

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>William H. Mentzer</i> William H. Mentzer, P.E. Environmental Engineering Specialist	May 8, 2023
X		Chad W. Yurisc Chad W. Yurisc, P.E. Environmental Engineer Manager	5/12/2023

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.0004</u>
Latitude DP	<u>41° 31' 58.21"</u>	Longitude DP	<u>-79° 26' 30.25"</u>
Latitude NHD	<u>41° 31' 56.79"</u>	Longitude NHD	<u>-79° 26' 24.79"</u>
Quad Name	<u>West Hickory</u>	Quad Code	<u>0610</u>
Wastewater Description: <u>Treated single residence domestic wastes</u>			
Receiving Waters	<u>Unnamed tributary to the Allegheny River</u>	Stream Code	<u>unknown</u>
NHD Com ID	<u>100474603</u>	RMI	<u>0.08 (448.4 feet)</u>
Drainage Area	<u>0.01 (8.56 acres)</u>	Yield (cfs/mi ²)	<u>0</u>
Q ₇₋₁₀ Flow (cfs)	<u>0</u>	Q ₇₋₁₀ Basis	<u>Dry swale</u>
Elevation (ft)	<u>1187.7</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>16-F</u>	Chapter 93 Class.	<u>WWF</u>
Existing Use	<u>statewid</u>	Existing Use Qualifier	<u>none</u>
Exceptions to Use	<u>none</u>	Exceptions to Criteria	<u>none</u>
Comments	<u>DP is the facility outfall & monitoring point. NHD is the discharge Allegheny River confluence at node RMI 1.74 above Tubbs Run 55581 and Allegheny River RMI 155.95.</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 PA Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>NA</u>
PWS RMI	<u>90.57</u>	Distance from Outfall (mi)	<u>65.38</u>

Changes Since Last Permit Issuance: NA

Other Comments: none

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 disinfection