

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

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

Application No. PA0245283
APS ID 1035350
Authorization ID 1348200

Applicant, Facility and Project Information

Applicant Name	<u>Muscara Robert</u>	Facility Name	<u>3232 Masons Mill Rd</u>
Applicant Address	<u>245 Jacksonville Road</u> <u>Ivyland, PA 18974</u>	Facility Address	<u>3232 Masons Mill Road</u> <u>Huntingdon Valley, PA 19006</u>
Applicant Contact	<u>Robert Muscara</u>	Facility Contact	<u>Robert Muscara</u>
Applicant Phone	<u>(609) 313-4157</u>	Facility Phone	<u>(609) 313-4157</u>
Client ID	<u>361807</u>	Site ID	<u>844083</u>
SIC Code	<u>4952</u>	Municipality	<u>Upper Moreland Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Montgomery</u>
Date Application Received	<u>March 29, 2021</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>Not Applicable</u>	WQM App. No.	<u>4621403</u>
Project Description	<u>New permit to replace a malfunctioning on-lot system.</u>		

Summary of Review

The applicant requests a new, individual National Pollutant Discharge Elimination System (NPDES) permit for a single residence to replace a malfunctioning on-lot system with a treatment plant and stream discharge. The flow rate is 500 gallons per day (gpd). The treatment plant will consist a new 1500 gallon 2-compartment septic tank with an effluent filter, new 276 gallon lift pump tank, new Ecoflo EC7 500-C-P Coco Biofilter, new Salcor 3G UV Disinfection Unit, and 4 inch SCH40 PVC delivery pipe.

Proposed effluent limitations are consistent with the DEP's Standard Operating Procedure (SOP) New and Reissuance Small Flow Treatment Facility Individual NPDES Permit Applications, SOP No. BCW-PMT-033, Version 1.8. This facility does not use chlorine as a disinfectant so Total Residual Chlorine (TRC) is not included in the permit; however, monitoring on the ultraviolet system is included which is standard practice in the region. In addition, pH limitations were added to the permit which is consistent with Chapter 95 of the PA Code. The Pennypack Creek is noted as impaired for Dissolved Oxygen thus monitoring ammonia was added to this permit as the stream is tributary to Pennypack Creek. A Total Maximum Daily Load (TMDL) was approved by the EPA on 4/9/1999; however, it does not appear to have been finalized. Either way waste load allocations were not included for single residence sewage treatment plants (SRSTPs). The treatment facility is expected to meet the effluent limitations set forth in this permit.

The facility received Plan 537 approval on February 26, 2021 (DEP Code No. 1-46009-203-3s) for a small flow treatment facility that will generate 500 gpd to an intermittent stream that is tributary to Pennypack Creek.

Act 14 Notifications

Upper Moreland Township received March 5, 2021
Montgomery County received March 5, 2021

Approve	Deny	Signatures	Date
X		Harmonie Hawley, PhD, PE / Environmental Engineering Specialist /s/	April 13, 2021
X		Pravin C. Patel, P.E. / Environmental Engineer Manager /s/	04/13/2021

Summary of Review

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 Part C Conditions:

- A. AMR to DEP
- B. DMR to DEP if Attached
- C. 1/year Measure Depth of Septage and Scum
- D. Septic Tanks Pumped Once Every Three Years
- E. Total Residual Chlorine Requirement
- F. No Stormwater
- G. Necessary Property Rights
- H. Proper Sludge Disposal
- I. Abandon STP when Municipal Sewers Available

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>.0005</u>
Latitude	<u>40° 8' 60.00"</u>	Longitude	<u>-75° 5' 6.00"</u>
Quad Name	<u>Hatboro</u>	Quad Code	<u>1745</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Pennypack Creek (TSF, MF)</u>	Stream Code	<u>Unknown</u>
NHD Com ID	<u>25599725</u>	RMI	<u>0.0500</u>
Q ₇₋₁₀ Flow (cfs)	<u>Intermittent</u>	Q ₇₋₁₀ Basis	<u>Plan 537 Approval Letter</u>
Watershed No.	<u>3-J</u>	Chapter 93 Class.	<u>TSF, MF</u>
Existing Use	<u>Aquatic Life</u>	Existing Use Qualifier	<u>Not Applicable</u>
Exceptions to Use	<u>None</u>	Exceptions to Criteria	<u>None</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>None</u>		
Source(s) of Impairment	<u>None</u>		
TMDL Status	<u>None</u>	Name	<u></u>

Changes Since Last Permit Issuance: Not applicable as this is a new permit.

Other Comments: The Pennypack Creek is impaired.

Compliance History	
Summary of DMRs:	Not Applicable
Summary of Inspections:	Not Applicable

Other Comments: Not Applicable as this is a new permit. An Open Violations by Client was run on April 12, 2021 and no open violations by client number or primary facility were found.

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	1/year	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
UV Intensity (mW/cm ²)	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
Ammonia	XXX	XXX	XXX	Report	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001

Other Comments: None.