pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast Regional Office
CLEAN WATER PROGRAM

Application Type	**New**	Application No.	**PA0245682**
Wastewater Type	**Sewage**	APS ID	**1116061**
Facility Type	**SFTF**	Authorization ID	**1489249**

NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP

Applicant, Facility and Project Information

Applicant Name	**Haines John B Iv**	Facility Name	**Haines Historical Foundation Museum Welcome Center**
Applicant Address	3327 Geryville Pike	Facility Address	3327 Geryville Pike
	Pennsburg, PA 18073-2614		Pennsburg, PA 18073-2614
Applicant Contact	John Haines	Facility Contact	
Applicant Phone	(610) 842-6700	Facility Phone	
Client ID	369774	Site ID	856979
SIC Code		Municipality	Marlborough Township
SIC Description		County	Montgomery
Date Application Received	June 20, 2024	WQM Required	Yes
Date Application Accepted		WQM App. No.	4624403

Project Description: New Permit

Summary of Review

The applicant requests approval for NPDES Permit to discharge treated sewage from a small flow package treatment plant that will serve a proposed museum welcome center and outdoor event space on 16.236 acres. The project is located at 3327 Geryville Pike in Marlborough Township, Montgomery County.

The proposed welcome center will contain office space, restrooms, a wet bar, and warming kitchen. All food preparation and dishwashing will take place off-site. Special events inside the welcome center will be able to accommodate a maximum of 200 people. Outdoor events will be able to accommodate a maximum of 500 people. The existing property currently contains an existing 4-bedroom dwelling served by an existing onlot sewage disposal system, a pool, pool house, detached garage, barn, and multiple museum outbuildings.

This project will generate 1954 gallons of sewage per day to be treated by SFTF with a discharge to a unnamed tributary of Macoby Creek.

The proposed treatment plant consists of the following treatment units:

1. Primary treatment via a 2000-gallons, dual compartment septic tank with Norweco Hydro Kinetic Bio Film Reactors.
2. Effluent is then pumped and split into two 1000 gallon per day Norweco Singulair TNT NSF 245 Treatment tanks. Advanced Aerobic Treatment and Nitrogen Reduction shall occur within the Norweco units.
3. Effluent from the septic tank will enter an Orenco UV-125/31-UVIBSUB treatment system via gravity fir UV disinfection.
4. The final discharge to the outfall will be pumped via 2” HDPE pipe to an outfall 001. The outfall will discharge to UNT Macoby Creek.

Approve	Deny	Signatures	Date
x		*Vasantha* Vasantha Palakurti / Environmental Engineering Specialist	June 27, 2024
		Pravin C. Patel, P.E. / Environmental Engineer Manager	

Summary of Review

The design of the treatment doesn't comply with Small Flow Treatment Facilities Manual (Technical Guidance Number 362-0300-002) because of the use of Orenco UV-125/31-UVIBSUB treatment system, therefore, this facility doesn't qualify for coverage under general permit (WQG01) and required to submit an Individual WQM permit application.
Act 537 Planning was approved on June 12, 2024 under DEP CODE No. 1-46939-099-3s.

Operation and maintenance requirements for the proposed small flow treatment facility are provided through the Operation and Maintenance Agreement for a Small Flow Treatment Facility and Residual On-Lot Sewage Disposal System Museum Welcome Center, 3327 Geryville Pike, Pennsburg, PA 18073, TMP# 45-00-00484-00-2, executed on May 9, 2024, by and between Marlborough Township and John B. Haines, IV.

Act 14 Notices:

Marlborough Township – February 15, 2024
Montgomery County Planning Commission - February 15, 2024

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.

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	001	Design Flow (MGD)	.0019
Latitude	40Âº 22' 12.04"	Longitude	-75Âº 27' 21.66"
Quad Name		Quad Code	
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to Macoby Creek (TSF, MF)	Stream Code	01420
NHD Com ID	25987058	RMI	0.5500
Watershed No.	3-E	Chapter 93 Class.	TSF, MF

Other Comments: New

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	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20.0	1/month	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/month	Grab
Total Nitrogen	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab