

Application Type New  
Wastewater Type Sewage  
Facility Type SFTF

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

Application No. PA0245313  
APS ID 1045578  
Authorization ID 1369110

**Applicant, Facility and Project Information**

Applicant Name	<u>PA Historical &amp; Museum Commission (PHMC)</u>	Facility Name	<u>Mather Mill STP</u>
Applicant Address	<u>400 North Street Room N118 Harrisburg, PA 17120</u>	Facility Address	<u>553 S. Bethlehem Pike Fort Washington, PA 19034-0000</u>
Applicant Contact	<u>Joseph Lauver</u>	Facility Contact	<u>Joseph Lauver</u>
Applicant Phone	<u>(717) 787-6242</u>	Facility Phone	<u>(717) 787-6242</u>
Client ID	<u>95627</u>	Site ID	<u>452811</u>
SIC Code	<u>4952</u>	Municipality	<u>Whitemarsh Township</u>
SIC Description	<u>Trans. &amp; Utilities - Sewerage Systems</u>	County	<u>Montgomery</u>
Date Application Received	<u>September 14, 2021</u>	WQM Required	<u>yes</u>
Date Application Accepted	<u></u>	WQM App. No.	<u></u>
Project Description	<u>New discharge from Mather Mill STP</u>		

**Summary of Review**

The applicant requests issuance of a new NPDES permit to discharge treated sewage from their Mather Mill STP.

The existing facility received an NPDES permit (PA005387) and a WQM permit (4688414) on May 20, 1988. The system was constructed but the building has now been vacant since 1995 and the NPDES permit has expired.

PHMC is working with a potential buyer that will use the existing building as a law office with 12 employees during work hours and also hoping to maintain event gatherings of 30-40 people few times a year with no lodging accommodations. According to DEP's 537 planning waiver letter the project will generate 396 gallons of sewage per day.

The existing system consists of the following: 2000-gal septic tank, 1000-gal dosing tank, two sand filters (1000 gal each), 1000-gal septic tank with chlorine contact, discharge pipe to Wissahickon Creek. Repairs or upgrades may be required to use the existing system for the treatment of proposed new flow. The applicant is required to obtain a new/amended WQM permit for the needed works at the facility.

Review shows this discharge is eligible to be covered under the "NPDES General Permit for Discharges from Small Flow Treatment Facilities" (PAG04). The statewide PAG04 is expired and currently no new PG04 can be issued for this discharge. The eligibility of a PAG04 can be reevaluated at the next renewal.

According to the application the estimated effluent discharge concentrations are consistent with the effluent limitation requirements of the PAG04 General Permit.

Approve	Deny	Signatures	Date
X		<i>Sara Abraham</i> Sara Reji Abraham, E.I.T. / Project Manager	September 20, 2021
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	09/20/2021

**Summary of Review**

The following effluent limitations are recommended for the draft permit:

<u>Parameter</u>	<u>Limits (mg/l)</u>
Flow	Monitor
CBOD5	10
TSS	10
TRC	Monitor
Fecal Coliform	200/100 ml
pH	6.0 to 9.0 SU

These limits are consistent with the other similar dischargers and also based on the requirements of PAG04 General Permit.

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.

Act 14 Notifications:

Whitemarsh Township	-	August 30, 2021
Montgomery County	-	September 1, 2021

Permit Conditions:

- A. AMR to DEP
- B. DMR to DEP
- C. Septage and Scum Measurement
- D. Septic Tank Pumping
- E. Chlorine Optimization
- F. No Stormwater Condition
- G. Acquire Necessary Property Rights
- H. Proper Sludge Disposal
- I. Phase Out 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>.000396</u>
Latitude	<u>40° 7' 0.00"</u>	Longitude	<u>-75° 13' 3.00"</u>
Quad Name	<u>Germantown</u>	Quad Code	<u>1844</u>
Wastewater Description: <u>Treated Sewage Effluent</u>			
Receiving Waters	<u>Wissahickon Creek</u>	Stream Code	<u>844</u>
NHD Com ID	<u>25974958</u>	RMI	<u>11.46</u>
Watershed No.	<u>3-F</u>	Chapter 93 Class.	<u>TSF, MF</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>flow regime modification, nutrients, pathogens, siltation</u>		
Source(s) of Impairment	<u>municipal point source discharges, source unknown, urban runoff/storm sewers</u>		
TMDL Status	<u>Final</u>	Name	<u>Wissahickon TMDL*</u>

\*As an SFTF discharge, this permit is not required to be reviewed by EPA.

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (GPD)	Report Annl Avg	Report Daily Max	XXX	XXX	XXX	XXX	1/year	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/year	Grab
TRC	XXX	XXX	XXX	Report	XXX	Report	1/month	Grab
CBOD5	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