

Application Type Amendment, Major  
Facility Type Non-Municipal  
Major / Minor Minor

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

Application No. PA0245313 A-1  
APS ID 1098535  
Authorization ID 1457836

**Applicant and Facility Information**

Applicant Name	<u>The Grist at Mather Mill LTD</u>	Facility Name	<u>Mather Mill STP</u>
Applicant Address	<u>7032 Lafayette Avenue</u> <u>Fort Washington, PA 19034</u>	Facility Address	<u>7001 Mathers Lane</u> <u>Fort Washington, PA 19034</u>
Applicant Contact	<u>Edmond Shinn</u>	Facility Contact	<u>Edmond Shinn</u>
Applicant Phone	<u>(610) 308-6544</u>	Facility Phone	<u>(610) 308-6544</u>
Client ID	<u>380250</u>	Site ID	<u>452811</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Whitemarsh Township</u>
Connection Status	<u></u>	County	<u>Montgomery</u>
Date Application Received	<u>August 22, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>Permit Amendment</u>		

**Summary of Review**

Applicant requests an amendment for an NPDES permit to discharge treated sewage from their Mather Mill STP.

This amendment incorporates a transfer of the permit to the new owner and a reduction in flow from 400 gpd to 130 gpd.

The STP will consist of the existing settling tank, existing dosing tank, existing sand filter tanks, existing discharge pump tank and existing outfall. The chlorine disinfection system in the existing discharge pump tank will be replaced with an ultraviolet light disinfection system. 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.

A WQM permit amendment (WQG010074 A-1) application is currently under review by DEP for the restart of this existing facility.

Current NPDES permit was issued on November 9, 2021 for a permitted flow of 400 gpd.

However, the existing plant has a limited treatment capacity of 130 gpd according to the Engineer's report submitted with the WQM application. Therefore, applicant is proposing to reduce the flow to the treatment plant.

Because the discharge flow is so small and system is consistent with a Single Residence STP, DEP considers this as a SRSTP in terms of the authorization type in DEP's database.

Previously the facility was owned by PA Historical & Museum Commission (PHMC).

Approve	Deny	Signatures	Date
X		<i>Sara Abraham</i> Sara Reji Abraham, E.I.T. / Project Manager	November 20, 2023
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	11/20/2023

**Summary of Review**

The following existing effluent limitations are recommended for the draft permit:

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

\*TRC limit is eliminated from the permit since the disinfection system is changed to UV.

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

Nothing else is changed in the 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 12, 2023
- Montgomery County - August 14, 2023

Permit Conditions:

- A. AMR to DEP
- B. DMR to DEP
- C. Septage and Scum Measurement
- D. Septic Tank Pumping
- E. No Stormwater Condition
- F. Acquire Necessary Property Rights
- G. Proper Sludge Disposal
- H. Phase Out When Municipal Sewers Available
- I. UV Disinfection

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.00013</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.

Treatment Facility Summary				
<b>Treatment Facility Name:</b> Mather Mill STP				
<b>WQM Permit No.</b>		<b>Issuance Date</b>		
WQG010074 A-1		Under review		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Tertiary	Extended Aeration with Solids Removal	UV	0.00013
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
		Not Overloaded		

**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" (386-0400-001), 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
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

