

Application Type Renewal
Facility Type Municipal
Major / Minor Minor

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0217361
APS ID 1126584
Authorization ID 1508031

Applicant and Facility Information

Applicant Name	<u>Municipal Authority of Westmoreland County</u>	Facility Name	<u>Iron Bridge STP</u>
Applicant Address	<u>124 Park and Pool Road</u> <u>New Stanton, PA 15672</u>	Facility Address	<u>214 Sewage Plt Lane</u> <u>Mt Pleasant, PA 15666</u>
Applicant Contact	<u>Katelyn Warheit</u>	Facility Contact	<u>Katelyn Warheit</u>
Applicant Phone	<u>(724) 755-5800</u>	Facility Phone	<u>(724) 755-5800</u>
Client ID	<u>64197</u>	Site ID	<u>487047</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>East Huntingdon Township</u>
Connection Status	<u>No Limitations</u>	County	<u>Westmoreland</u>
Date Application Received	<u>November 26, 2024</u>	EPA Waived?	<u>No</u>
Date Application Accepted	<u></u>	If No, Reason	<u>Pretreatment</u>
Purpose of Application	<u>NPDES permit renewal application.</u>		

Summary of Review

The PA Department of Environmental Protection (PADEP/Department) received an NPDES renewal application from Gibson Thomas Engineering (consultant) on behalf of Municipal Authority of Westmoreland County (MAWC/permittee) on November 26, 2024, for permittee's Iron Bridge STP (facility). The draft permit was sent to the permittee on May 28, 2025, and was published in the PA Bulletin on June 14, 2025. The Department received a comment letter from the permittee on May 30, 2025, via email. The permittee's comments and the Department's response is provided below:


Comment 1: The BOD influent and TSS influent monitoring requirements list "Report" for Weekly Average for both loading and concentration. The DEP Influent & Process Control Supplemental Report form does not calculate maximum weekly averages. It only calculates the maximum daily value. Therefore, MAWC requests that the BOD influent and TSS influent monitoring requirements be changed to "Report Daily Max" for both loading and concentration. This would be consistent with all other MAWC wastewater treatment plants.

PADEP's response: The Department agrees with this request and the redraft permit will reflect this change.

Comment 2: The Flow monitoring requirement lists "Report" for Weekly Average. MAWC requests that this be changed to "Report Daily Max" to be consistent with all other MAWC wastewater treatment plants.

PADEP's response: The department agrees with the request and the redraft permit will reflect this change.

Comment 3: The section for POTW Pretreatment Program Implementation was omitted. All other MAWC wastewater treatment plant permits have included this section. The permits for plants without any significant industrial users have included modified language to waive the requirements for a Headworks Analysis, quarterly sampling, and annual priority pollutant scans. An example of this modified language can be found in the permit for Hutchinson STP (PA0253375).

Approve	Deny	Signatures	Date
√		Reza H. Chowdhury, P.E. / Environmental Engineer 	July 29, 2025
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	07/31/2025

Summary of Review

PADEP's response: Per 40 CFR §403.8(a), "Any POTW (or combination of POTWs operated by the same authority) with a total design flow greater than 5 million gallons per day (mgd) and receiving from Industrial Users pollutants which Pass Through or Interfere with the operation of the POTW or are otherwise subject to Pretreatment Standards will be required to establish a POTW Pretreatment Program unless the NPDES State exercises its option to assume local responsibilities as provided for in [§ 403.10\(e\)](#)." MAWC owns a number of POTWs with a net design flow greater than 5 MGD. Therefore, MAWC should have a pretreatment program.

Per the application and subsequent confirmation from the permittee, Iron Bridge STP doesn't have any Significant or Categorical IUs. Per the fact sheet accompanying 2025 renewal of PA0253375, EPA and DEP worked out a customized pretreatment language for PA0216089 for facilities without any Significant or Categorical IUs. That language will be incorporated in this redraft permit.

Due to the new pretreatment program development requirements, the permit is required to be redrafted, and the redraft permit will not be waived from EPA review.

No other comments were received from public. Permittee's comment letter is attached herein.

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.

An Equal Opportunity Employer 124 Park and Pool Road
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Mailing Address
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Greensburg, PA 15601

www.mawc.org
mawc@mawc.org

May 30, 2025

Reza Chowdhury
PA DEP Clean Water Program
2 East Main Street
Norristown, PA 19401

Re: Iron Bridge STP (PA0217361)
Draft NPDES Permit Comments

Dear Mr. Chowdhury:

MAWC has reviewed the draft NPDES permit for Iron Bridge STP and would like to provide the following comments:

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- The BOD influent and TSS influent monitoring requirements list "Report" for Weekly Average for both loading and concentration. The DEP Influent & Process Control Supplemental Report form does not calculate maximum weekly averages. It only calculates the maximum daily value. Therefore, MAWC requests that the BOD influent and TSS influent monitoring requirements be changed to "Report Daily Max" for both loading and concentration. This would be consistent with all other MAWC wastewater treatment plants.
- The Flow monitoring requirement lists "Report" for Weekly Average. MAWC requests that this be changed to "Report Daily Max" to be consistent with all other MAWC wastewater treatment plants.

Part C

- The section for POTW Pretreatment Program Implementation was omitted. All other MAWC wastewater treatment plant permits have included this section. The permits for plants without any significant industrial users have included modified language to waive the requirements for a Headworks Analysis, quarterly sampling, and annual priority pollutant scans. An example of this modified language can be found in the permit for Hutchinson STP (PA0253375).

If you have any questions or would like to discuss these comments, please contact me at kwarheit@mawc.org or 724-454-0233.

Sincerely,

Katelyn Warheit

Katelyn Warheit
Environmental Compliance Superintendent
Municipal Authority of Westmoreland County

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) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	1/day	Grab
Total Residual Chlorine (TRC)	XXX	XXX	XXX	0.43	XXX	1.41	1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) Nov 1 - Apr 30	52	79	XXX	25.0	37.5	50	1/week	8-Hr Composite
Carbonaceous Biochemical Oxygen Demand (CBOD5) May 1 - Oct 31	22.94	34.4	XXX	11.0	16.5	22	1/week	8-Hr Composite
Biochemical Oxygen Demand (BOD5) Raw Sewage Influent	Report	Report Daily Max	XXX	Report	Report Daily Max	XXX	1/week	8-Hr Composite
Total Suspended Solids	63	94	XXX	30	45	60	1/week	8-Hr Composite
Total Suspended Solids Raw Sewage Influent	Report	Report Daily Max	XXX	Report	Report Daily Max	XXX	1/week	8-Hr Composite
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	1/week	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/week	Grab
E. Coli (No./100 ml)	XXX	XXX	XXX	Report Avg Qrtly	Report Daily Max	XXX	1/quarter	Grab


Outfall 001 , Continued (from 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	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Total Nitrogen	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Calculation
Ammonia-Nitrogen Nov 1 - Apr 30	20.6	31	XXX	9.9	14.8	19.8	1/week	8-Hr Composite
Ammonia-Nitrogen May 1 - Oct 31	6.9	10.3	XXX	3.3	5.0	6.6	1/week	8-Hr Composite
Total Phosphorus	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	8-Hr Composite
Zinc, Total	XXX	XXX	XXX	Report SEMI AVG	Report Daily Max	XXX	1/6 months	8-Hr Composite

Compliance Sampling Location: At Outfall 001

Other Comments: None



Approve	Deny	Signatures	Date
√		Reza H. Chowdhury, P.E. / Environmental Engineer 	July 29, 2025
X		Pravin Patel Pravin C. Patel, P.E. / Environmental Engineer Manager	07/31/2025