

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

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

Application No. PA0248088 A-1  
APS ID 823945  
Authorization ID 1377671

**Applicant and Facility Information**

Applicant Name	<u>PA American Water Co.</u>	Facility Name	<u>Franklin WWTP</u>
Applicant Address	<u>852 Wesley Drive</u> <u>Mechanicsburg, PA 17055-4436</u>	Facility Address	<u>2410 Chambersburg Road</u> <u>Gettysburg, PA 17307</u>
Applicant Contact	<u>Scott Armbrust</u>	Facility Contact	<u>Scott Armbrust</u>
Applicant Phone	<u>(717) 550-1501</u>	Facility Phone	<u>(717) 550-1501</u>
Client ID	<u>87712</u>	Site ID	<u>665661</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Franklin Township</u>
Connection Status	<u>No Limitations</u>	County	<u>Adams</u>
Date Application Received	<u>November 16, 2021</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>November 24, 2021</u>	If No, Reason	<u></u>
Purpose of Application	<u>NPDES major amendment.</u>		

**Summary of Review**

Gwin, Dobson and Foreman, Inc., on behalf of Pennsylvania-America Water Company, has applied to the Pennsylvania Department of Environmental Protection (DEP) submitted NPDES PA0248088 which last reissuance was on May 13, 2020, became effective on June 1, 2020, and will expire on May 31, 2025. The amendment request is to replace the chlorine monitor & requirements to UV light intensity (mW/cm<sup>2</sup>) monitor & report. All other requirements will remain unchanged.

The Water Quality Management (WQM) Permit No. 0106404 was issued on April 17, 2007; and was amended on April 22, 2014 to change the ownership from Franklin Township, Adams County to Pennsylvania American Water Company (#0106404 T-1). The WQM Part II 0106404 A-1 was issued on July 1, 2020 to replace chlorine disinfection with UV disinfection, with the following attributes to remain unchanged: average design flow of 0.2 MGD and hydraulic capacity of 0.5 MGD with 459 lbs/day of BOD<sub>5</sub>.

The WWTP before construction train is as follows:

Mechanical Screen (1) ⇒ Bar Screen (1) ⇒ SBR Tank (2) ⇒ Chlorine Contact Tank (1) ⇒ Dechlorination Feed (1) ⇒ Cascade (1) ⇒ Discharge

The WWTP after construction train is as follows:

Mechanical Screen (1) ⇒ Bar Screen (1) ⇒ SBR Tank (2) ⇒ UV Disinfection (1) ⇒ Cascade (1) ⇒ Discharge

There are no open violations associated with the permittee or the facility.

Based on the review, it is recommended that the NPDES permit be drafted and published in the Pennsylvania Bulletin for public comments for 30 days since this is a major amendment.

Approve	Deny	Signatures	Date
X		<i>Hilaryle</i> Hilary H. Le / Environmental Engineering Specialist	December 17, 2021
X		<i>Maria D. Bebenek for</i> Daniel W. Martin, P.E. / Environmental Engineer Manager	December 21, 2021

<b>Proposed Effluent Limitations and Monitoring Requirements</b>
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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: June 1, 2020 through Completion of Construction.**

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	Daily Maximum	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
D.O.	XXX	XXX	5.0	XXX	XXX	XXX	1/day	Grab
TRC	XXX	XXX	XXX	0.051	XXX	0.166	1/day	Grab
CBOD <sub>5</sub>	41.7	66.7 Wkly Avg	XXX	25.0	40.0	50.0	1/week	24-Hr Composite
TSS	50.0	75.1 Wkly Avg	XXX	30.0	45.0	60.0	1/week	24-Hr Composite
Biochemical Oxygen Demand (BOD <sub>5</sub> ) Raw Sewage Influent	Report	Report	XXX	Report	XXX	XXX	1/week	24-Hr Composite
Total Suspended Solids Raw Sewage Influent	Report	Report	XXX	Report	XXX	XXX	1/week	24-Hr Composite
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	1/week	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	10,000	1/week	Grab
Ammonia May 1 - Oct 31	4.2	XXX	XXX	2.5	XXX	5.0	1/week	24-Hr Composite
Ammonia Nov 1 - Apr 30	12.5	XXX	XXX	7.5	XXX	15.0	1/week	24-Hr Composite
Total Phosphorus	Report	XXX	XXX	Report	XXX	XXX	2/month	24-Hr Composite

Compliance Sampling Location:

Other Comments:

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**Outfall 001, Effective Period: Completion of Construction through May 31, 2025.**

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	Daily Maximum	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
D.O.	XXX	XXX	5.0	XXX	XXX	XXX	1/day	Grab
UV Intensity (mW/cm <sup>2</sup> )	XXX	XXX	Report	XXX	XXX	XXX	1/day	Measured
CBOD <sub>5</sub>	41.7	66.7 Wkly Avg	XXX	25.0	40.0	50.0	1/week	24-Hr Composite
TSS	50.0	75.1 Wkly Avg	XXX	30.0	45.0	60.0	1/week	24-Hr Composite
Biochemical Oxygen Demand (BOD <sub>5</sub> ) Raw Sewage Influent	Report	Report	XXX	Report	XXX	XXX	1/week	24-Hr Composite
Total Suspended Solids Raw Sewage Influent	Report	Report	XXX	Report	XXX	XXX	1/week	24-Hr Composite
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	1/week	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	10,000	1/week	Grab
Ammonia May 1 - Oct 31	4.2	XXX	XXX	2.5	XXX	5.0	1/week	24-Hr Composite
Ammonia Nov 1 - Apr 30	12.5	XXX	XXX	7.5	XXX	15.0	1/week	24-Hr Composite
Total Phosphorus	Report	XXX	XXX	Report	XXX	XXX	2/month	24-Hr Composite

Compliance Sampling Location:     

Other Comments:

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**Outfall 001, Effective Period: June 1, 2020 through May 31, 2025.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Monthly	Annual	Monthly	Average Monthly	Maximum	Instant. Maximum		
Ammonia--N	Report	Report	XXX	XXX	XXX	XXX	1/week	24-Hr Composite
Kjeldahl--N	Report	XXX	XXX	Report	XXX	XXX	2/month	24-Hr Composite
Nitrate-Nitrite as N	Report	XXX	XXX	Report	XXX	XXX	2/month	24-Hr Composite
Total Nitrogen	Report	Report	XXX	Report	XXX	XXX	2/month	Calculation
Total Phosphorus	Report	Report	XXX	Report	XXX	XXX	2/month	24-Hr Composite

Compliance Sampling Location:     

Other Comments:

