

Southcentral Regional Office CLEAN WATER PROGRAM

Amendment, Application Type Major Non-Facility Type Municipal

Minor

Major / Minor

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0248088 A-1 APS ID 823945 1377671

Authorization ID

Applicant and Facility Information								
Applicant Name	PA Aı	merican Water Co.	Facility Name	Franklin WWTP				
Applicant Address	852 W	esley Drive	Facility Address	2410 Chambersburg Road				
	Mech	anicsburg, PA 17055-4436		Gettysburg, PA 17307				
Applicant Contact	Scott	Armbrust	Facility Contact	Scott Armbrust				
Applicant Phone	(717)	550-1501	Facility Phone	(717) 550-1501				
Client ID	87712	2	Site ID	665661				
Ch 94 Load Status	Not Overloaded		Municipality	Franklin Township				
Connection Status	No Lir	mitations	County	Adams				
Date Application Received		November 16, 2021	EPA Waived?	Yes				
Date Application Accepted		November 24, 2021	If No, Reason					
Purpose of Application		NPDES major amendment.						

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/cm²) 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 BOD₅.

The WWTP before construction train is as follows:

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

The WWTP after construction train is as follows:

Mechanical Screen (1) \Rightarrow Bar Screen (1) \Rightarrow SBR Tank (2) \Rightarrow UV Disinfection (1) \Rightarrow Cascade (1) \Rightarrow 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
Х		Hilaryle Hilary H. Le / Environmental Engineering Specialist	December 17, 2021
Х		Maria D. Bebenek for Daniel W. Martin, P.E. / Environmental Engineer Manager	December 21, 2021

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: June 1, 2020 through Completion of Construction.

Effluent Limitations						Monitoring Re	quirements
Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2)	Required
Average Monthly	Daily Maximum	Minimum	Average Monthly	Weekly Average	Instant. Maximum	Measurement Frequency	Sample Type
Report	Report	XXX	XXX	XXX	XXX	Continuous	Measured
XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
XXX	XXX	5.0	XXX	XXX	XXX	1/day	Grab
XXX	XXX	XXX	0.051	XXX	0.166	1/day	Grab
41.7	66.7 Wkly Avg	XXX	25.0	40.0	50.0	1/week	24-Hr Composite
50.0	75.1 Wkly Avg	XXX	30.0	45.0	60.0	1/week	24-Hr Composite
Report	Report	XXX	Report	XXX	XXX	1/week	24-Hr Composite
			·				24-Hr Composite
•			200				Grab
			2,000				Grab
					,		24-Hr Composite
							24-Hr
							Composite 24-Hr Composite
	Average Monthly Report XXX XXX XXX	Average Monthly Maximum Report Report XXX XXX XXX XXX XXX XXX 41.7 Wkly Avg 75.1 Wkly Avg Report Report Report Report XXX XXX XXX XXX 4.2 XXX	Mass Units (lbs/day) (1) Average Daily Maximum Minimum Report Report XXX XXX XXX 6.0 XXX XXX 5.0 XXX XXX XXX 66.7 41.7 Wkly Avg XXX 75.1 50.0 Wkly Avg XXX Report Report XXX Report Report XXX XXX XXX 4.2 XXX XXX XXX XXX XXX	Mass Units (Ibs/day) Concentrat Average Monthly Daily Maximum Minimum Average Monthly Report Report XXX XXX XXX XXX 6.0 XXX XXX XXX 5.0 XXX XXX XXX XXX 0.051 66.7 41.7 Wkly Avg XXX 25.0 75.1 50.0 Wkly Avg XXX 30.0 Report Report XXX Report Report XXX Report 200 XXX XXX XXX Geo Mean 2,000 Geo Mean 2,000 XXX XXX XXX 2.5 12.5 XXX XXX XXX 7.5	Mass Units (Ibs/day) (1) Concentrations (mg/L) Average Monthly Daily Maximum Minimum Average Monthly Weekly Average Report Report XXX XXX XXX XXX XXX 6.0 XXX XXX XXX XXX 5.0 XXX XXX XXX XXX XXX XXX XXX XXX XXX 25.0 40.0 75.1 75.1 30.0 45.0 Report Report XXX Report XXX Report Report XXX Report XXX XXX XXX 2,000 Geo Mean XXX XXX XXX XXX 2.5 XXX 4.2 XXX XXX XXX 7.5 XXX	Mass Units (Ibs/day) (1) Concentrations (mg/L) Average Monthly Daily Maximum Minimum Average Monthly Weekly Average Instant. Maximum Report Report XXX XXX XXX XXX XXX XXX XXX 6.0 XXX XXX XXX 9.0 XXX XXX 5.0 XXX XXX XXX XXX XXX XXX 5.0 XXX XXX XXX XXX XXX XXX XXX 0.051 XXX 0.166 66.7 41.7 Wkly Avg XXX 25.0 40.0 50.0 75.1 50.0 60.0 60.0 Report Report XXX Report XXX XXX	Mass Units (lbs/day) Concentrations (mg/L) Minimum Minimum Average Meekly Average Instant. Maximum Maximum Minimum Measurement Frequency Report Report XXX XXX XXX XXX XXX Continuous XXX XXX XXX XXX XXX XXX Continuous XXX XXX XXX XXX XXX XXX 1/day XXX XXX XXX XXX XXX 1/day XXX XXX XXX XXX 0.166 1/day 41.7 Wkly Avg XXX 25.0 40.0 50.0 1/week 41.7 Wkly Avg XXX 30.0 45.0 60.0 1/week Report Report XXX Report XXX XXX 1/week Report Report XXX Report XXX 1,000 1/week XXX XXX XXX XXX 10,000 1/week XXX XXX

Compliance Sampling Location:

Other Comments:

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

		Monitoring Requirements						
Doromotor	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum ⁽²⁾	Required
Parameter	Average Monthly	Daily Maximum	Minimum	Average Monthly	Weekly Average	Instant. Maximum	Measurement Frequency	Sample Type
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/cm²)	XXX	XXX	Report	XXX	XXX	XXX	1/day	Measured
CBOD₅	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 (BOD₅) 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								24-Hr
Nov 1 - Apr 30	12.5	XXX	XXX	7.5	XXX	15.0	1/week	Composite 24-Hr
Total Phosphorus	Report	XXX	XXX	Report	XXX	XXX	2/month	Z4-Hr Composite

Compliance Sampling Location:

Other Comments:

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

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

Compliance Sampling Location:

Other Comments: