

Application Type
Facility Type
Major / Minor

Renewal
Industrial
Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL INDUSTRIAL WASTE (IW)
AND IW STORMWATER**

Application No. PA0008354
APS ID 555423
Authorization ID 1434800

Applicant and Facility Information

Applicant Name	<u>Pennsylvania American Water</u>	Facility Name	<u>Montrose Water Treatment Plant</u>
Applicant Address	<u>1799 Jumper Road</u>	Facility Address	<u>Route 29</u>
Applicant Contact	<u>Charles Motley</u>	Facility Contact	<u>Carada Springstead</u>
Applicant Phone	<u>(570) 575-2072</u>	Facility Phone	<u>(610) 248-7934</u>
Client ID	<u>87712</u>	Site ID	<u>442184</u>
SIC Code	<u>4941</u>	Municipality	<u>Bridgewater Township</u>
SIC Description	<u>Trans. & Utilities - Water Supply</u>	County	<u>Susquehanna</u>
Date Application Received	<u>March 31, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>March 31, 2023</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Renewal of NPDES permit.</u>		

Summary of Review

The applicant is requesting renewal of their NPDES permit to discharge treated industrial wastewater to Lake Montrose (which is part of Snake Creek), a CWF/MF designated receiving water in State Water Plan Basin 04-E (Great Bend Susquehanna River). As per the Department's current existing use list, the receiving water does not have an existing use that is more protective than its designated use.

In the previously issued permit, the discharge was modeled using a 0.018 MGD discharge value for Outfall 001 and Outfall 002. Newer flow data at the facility shows the average daily flow through Outfalls 001 and Outfall 002 to be approximately 0.018 MGD and 0.024 MGD, respectively.

The discharge was modeled using a combined discharge rate of 0.042 MGD. After modeling the discharge using the default LFY (0.1 cfs/mi²) and delineated drainage areas from USGS's StreamStats interactive map, monitoring requirements and limitations were recommended for several parameters: Total Aluminum, Total Cadmium, Hexavalent Chromium, Total Copper, Total Iron, Total Manganese, Total Thallium & Total Zinc. Since the facility discharges directly to Lake Montrose and the Toxics Management Spreadsheet is designed to model stream discharges, the recommended limitations are not applied. Semiannual monitoring and reporting requirements are added to the permit for Total Cadmium, Hexavalent Chromium, Total Copper, Total Thallium and Total Zinc at both outfalls to gain enough data for long-term average concentrations to utilize for future models, if available. Note: Total Copper and Total Zinc concentrations were monitored quarterly for Outfall 002 in the previously issued permit.

All other limitations from the previously issued permits are carried over for this renewal. Those technology-based limitations were developed using the Department's *Technology-Based Control Requirements for Water Treatment Plant Wastes* guidance document (doc. no. 362-2183-003, rev. 10/1/1997). Mass loading monitoring/reporting requirements are included for these technology based limitations in accordance with Table 5-2 of the Department's *Technical Guidance for the*

Approve	Deny	Signatures	Date
X		 Brian Burden, E.I.T. / Project Manager	July 30, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Program Manager	8-26-24

Summary of Review

Development and Specification of Effluent Limitations and Other Permit Conditions in NPDES Permits (doc. No. 362-0400-001.

The facility is considered a “non-significant” industrial waste facility per the Department’s “Chesapeake Bay Industrial Wastewater Compliance Plan” (January 2010). As recommended in Appendix B of the Plan for water treatment facilities, nutrient monitoring is required quarterly. The requirement to report total quarterly nutrient mass loadings in total pounds is replaced by a lbs/day calculation. The annual total load (lbs) reporting requirement is carried over from the previous permit for Total Nitrogen, Total Phosphorus and Ammonia-N.

Lake surveys/studies have not been completed by the Department for Lake Montrose. The need for nutrient limitations should be revisited upon completion of the surveys/studies.

Template Part C special conditions are included for chemical additives and sedimentation basin cleaning requirements.

The previously issued permit expired on September 30, 2023 and the application for permit renewal was submitted in a timely manner.

This facility does not currently treat for PFAS and is not expected to treat for PFAS during the next permit term. The permittee began quarterly sampling for PFAS in 2024 and the 1st and 2nd quarter results were non-detect.



Watershed
Information.pdf



TMS PA0008354.pdf

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.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001 & 002	Design Flow (MGD)	0.018 (001), 0.024 (002)
Latitude	41° 50' 44"	Longitude	-75° 51' 32"
Quad Name	Montrose East	Quad Code	0439
Wastewater Description: Water Treatment Effluent			
Receiving Waters	Lake Montrose (Snake Creek)	Stream Code	31820
NHD Com ID	43491799	RMI	~13.6
Drainage Area	0.85	Yield (cfs/mi ²)	-
Q ₇₋₁₀ Flow (cfs)	N/A (lake discharge)	Q ₇₋₁₀ Basis	-
Elevation (ft)	1580	Slope (ft/ft)	-
Watershed No.	4-E	Chapter 93 Class.	CWF/MF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	-		
Source(s) of Impairment	-		
TMDL Status	-	Name	-
Background/Ambient Data			
pH (SU)	-	Data Source	
Temperature (°F)	-	-	
Hardness (mg/L)	-	-	
Other:	-	-	
Nearest Downstream Public Water Supply Intake		Same facility (takes water from & discharges to same lake)	
PWS Waters	-	Flow at Intake (cfs)	-
PWS RMI	-	Distance from Outfall (mi)	-