

Application Type Renewal  
Facility Type Industrial  
Major / Minor Minor

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

Application No. PA0060526  
APS ID 340193  
Authorization ID 1455880

**Applicant and Facility Information**

Applicant Name	<u>PA American Water Co.</u>	Facility Name	<u>PA American Water Forest City WTP</u>
Applicant Address	<u>83 Aston Mtn Road Forest City WTP Pittston, PA 18640</u>	Facility Address	<u>Off Route 171 Forest City, PA 18421</u>
Applicant Contact	<u>Emery Yurko</u>	Facility Contact	<u>Mark Misura</u>
Applicant Phone	<u>(570) 457-1550</u>	Facility Phone	<u>(570) 282-7961</u>
Client ID	<u>87712</u>	Site ID	<u>448573</u>
SIC Code	<u>4941</u>	Municipality	<u>Forest City Borough</u>
SIC Description	<u>Trans. &amp; Utilities - Water Supply</u>	County	<u>Susquehanna</u>
Date Application Received	<u>August 29, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>RENEWAL OF NPDES PERMIT.</u>		

**Summary of Review**

The applicant is requesting ~~a renewal of ante-renew~~ NPDES permit to discharge industrial wastewater to the Lackawanna River, a High Quality-Cold Water Fishes, Migratory Fishes (HQ-CWF, MF) designated receiving stream in state water plan basin 5-A (Lackawanna River). As per the Department's current existing use list, the receiving stream segment does not have an existing use classification that is more protective than its designated use. This waterway is listed as a trout stocked stream; ~~PA Fish and Boat Commission stocks the River downstream of the discharge in eMapPA, however PA Fish and Boat does not have any upcoming listings to perform task.~~

Forest City WTP is a water treatment/filtration plant located on the Lackawanna River. SIC code for this facility is 4941 (Water Supply). The plant intakes water for consumption as a public water supply. Water from monitoring instruments, sample taps, and filter backwash flows to a wastewater lagoon for solids to settle. Wastewater then flows through a pipe to a concrete channel ~~through Oand-out~~ outfall 001 to the Lackawanna River.

There is one listed outfall for this facility, ~~O~~outfall 001. ~~The discharge consistsis-outfall is discharge~~ of filter backwash and water used for monitoring analyzers. This discharge from this outfall is continuous. The average flow for this outfall is measured at .0672mgd. Q7-10 flow was estimated to be 4.27cfs. This was calculated via WQM 7.0 software with same input parameters as effluent limitations.

The treatment plant takes influent from two sources: the Lackawanna River (source 002) and Stillwater Lake (source 001). Water is treated with KMnO<sub>4</sub> during pre-treatment, along with lime, alum, and coagulant agents. Water then flows through flocculation, a sedimentation basin, and a filter system. Wastewater is discharged to a wastewater lagoon while treated water flows to post-treatment and into the distribution system.

This facility does not have a history of non-compliance. The last effluent non-compliance report was in September 2020 for high manganese (1.1>1mg/L).

Approve	Deny	Signatures	Date
X		William Hon (signed) William Hon / Environmental Engineer Trainee	April 5, 2024
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Acting Engineer Manager	4-18-24

**Summary of Review**

This facility is located within 0.5 miles of an Environmental Justice Area. It is not expected to be an issue with environmental justice laws.

A Total Maximum Daily Load (TMDL) was developed to address acid mine drainage (AMD) impacts in the Lackawanna River watershed, which was approved by EPA on April 7, 2005. This TMDL address iron, manganese, aluminum and pH. Traditional point sources are not included in this TMDL. The Forest City WTP discharges to segment "LR4" according to the TMDL. The four pollutants were meeting water quality standards in this segment, and thus no TMDL was required for any of the four pollutants.

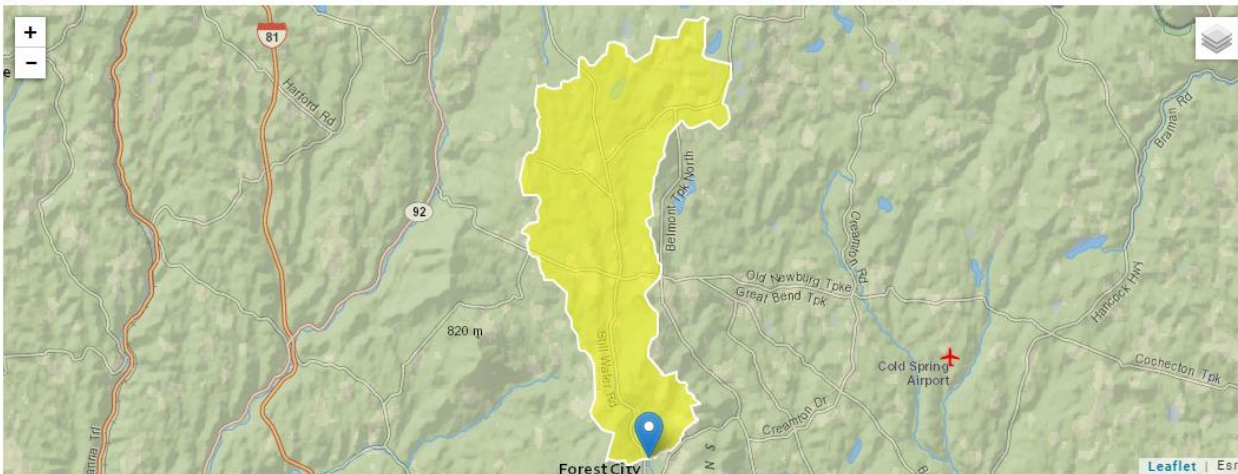
Standard Part C 133 - Water Treatment Plant Basin Cleaning Language will be added. Frequencies will be adjusted to the updated standards and annual monitoring for TN/TP will continue.

Due to history of facility being within compliance, the recommendation is that facility retains same effluent limitations and monitoring requirements as previous permit. Inputs in TMS recommend a new WQBEL for Total Copper with monitoring requirements of 4 samples per month. The information is listed below for all modeling inputs.

**Outfall @ Lackawanna River (stream code 28374)**

RMI: 1.2

Lat/Long: 41.66131. -75.46344

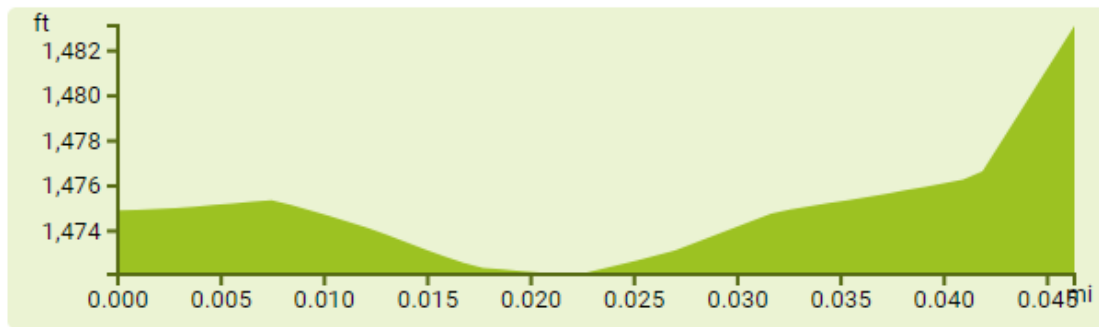


Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	42.7	square miles

Elevation: 1472ft

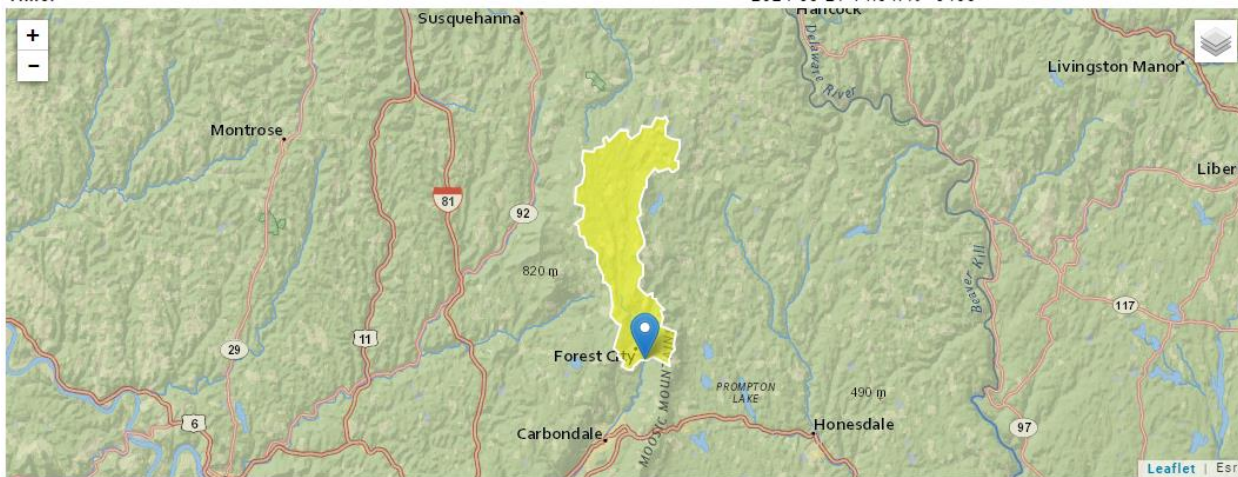
Summary of Review



1 Mile (approx.) down river

RMI: .1

Lat/Long: 41.64078, -75.45681



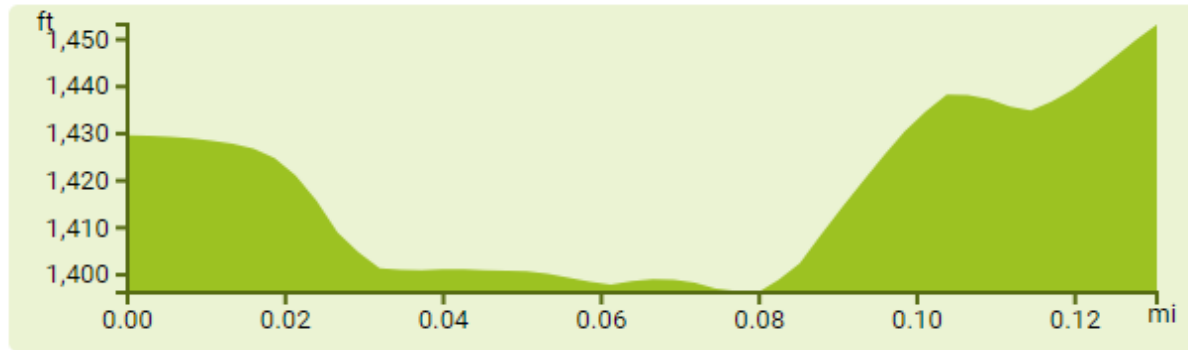
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> Basin Characteristics

Parameter Code	Parameter Description	Value	Unit
CARBON	Percentage of area of carbonate rock	0	percent
DRNAREA	Area that drains to a point on a stream	48.8	square miles

Elevation: 1400

Summary of Review



Recommended WQBELs & Monitoring Requirements

No. Samples/Month:

Pollutants	Mass Limits		Concentration Limits			Units	Governing WQBEL	WQBEL Basis	Comments
	AML (lbs/day)	MDL (lbs/day)	AML	MDL	IMAX				
Total Copper	0.2	0.3	0.35	0.54	0.87	mg/L	0.35	AFC	Discharge Conc ≥ 50% WQBEL (RP)

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.

