

# Ebensburg Municipal Authority

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## June monthly report for WTP



July 28<sup>th</sup>, 2025

Ebensburg Borough  
300 West High Street  
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the June 2025 monthly report detailing the operations and maintenance of the Ebensburg water treatment facility.

Thank you for the opportunity to provide Operations and Maintenance Services to the city of Ebensburg. To ensure we are providing material that is of value to you, please provide any questions or comments to me regarding this report.

Sincerely,  
Luke Byrne

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## Executive Summary

During the month of June, the Ebensburg water treatment plant treated 37,419,000 gallons of reservoir water. This equates to an average of 1,247,300 gallons per day. The table found in plant operations of this packet showcases past month's historical average water production. Historical water production comparisons for June is not representative due to Nanty Glo buying water.

An average of 131,540 gallons per day was purchased from Saltlick and blended into Ebensburg's distributions system. This is higher than normal due to Nanty Glo buying water.

During June, staff worked with Ebensburg residents to collect lead and copper samples. All results for lead and copper results were in compliance.

On June 16<sup>th</sup> heavy rains flooded many areas of Ebensburg. Roughly 3.8 inches of rain fell within 6 hours. The WTP facility basement took on 8 inches of water and required several sump pumps to keep up with the flooding. Staff was able to keep the flooding at a manageable level avoiding any damage to equipment.

On June 18<sup>th</sup> Nanty Glo began purchasing water. They purchased 200GPM until July 2<sup>nd</sup>.

A quarterly filter evaluation was performed on filter #3. The troughs, filter media, and air scour system were found to be in excellent condition. The filter bed surface is free from deficiencies and anomalies. The media depth and freeboard are within design. Overall the filter was found to be in good working condition.

Hartford Steam Boilers inspected both natural gas boilers at the WTP and both boilers passed inspection for insurance.

The upper reservoir water level is – 1 ft.

Water pumping stations were inspected regularly throughout the month. The Ogden vault was pumped out again this month due to ground water infiltration. All pumpstation pumps/motors were greased for the month and packing glands were inspected. Weekly sampling, flow recording, and calibrations to the onsite instruments have been completed for the month. The exhaust fans in the pumpstations have been set to run above 80 degrees. All pump stations were swept and cleaned.

## On the Radar

DAF Spare parts

Upper reservoir gate valves

Online Turbidity instrument replacement

PFAS sampling

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## Operations

### Compliance:

- What is the monthly compliance reporting? We send about 10 pages of data that have been collected by our operators and SCADA system. These reports consist of over 20,000 points of data that are compiled into a report and sent to the state every month called the “Monthly Operating Report” (MOR). This report is a representation of how well the plant is operating during the prior month.
- Monthly compliance reporting was collected and submitted to PA DEP.
- Monthly we are required by state regulations to collect and analyze a minimum of nine bacteriological samples per a state approved sampling site plan. In June, we collected nine samples. Of the nine samples, zero were found to be total coliform positive.
- Monthly we are required to monitor chlorine levels in the distribution system. A minimum of one sample per week is required and the sample must be equal to or greater than 0.20mg/L free chlorine. Four samples were collected in June, and all four samples were at or above the minimum.
- Inframark submitted a study/plan (12-20-22) to PA DEP detailing historical water loss and plans to address unaccounted for water. We are currently waiting for a response from PA DEP.
- Calibrated online and lab instrumentation to conform to PA DEP requirements.
- Collected and documented comparative grab samples to ensure accuracy of continuous chlorine analyzers.
- Collected and documented comparative grab samples to ensure accuracy of continuous turbidimeters and pH analyzers.
- Monitor water quality in clearwell for all compliance compounds and secondary contaminants.

### Plant Operations

- Plant production has fluctuated through the month ranging from 1,360,000 – 1,043,000 gallons/day
- Conduct process control analysis daily.
- Backwash flow rates are monitored during backwash cycles.
- Filter media is observed daily for irregularities.
- Clarifiers are continuously monitored for sludge content and settling capability.
- Flows and chemical feed rates are adjusted daily to meet system demands.
- Chemical feed calculations and pump adjustments.
- Overnight flow monitoring.
- Monitor clarifier flow setpoints.
- Online instrument flows are verified multiple times daily.
- Downstream flow is monitored daily and adjusted as needed.

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## Past month's historical average water production

Date	Average gallons filtered per day	Total gallons filtered per month	Days Supplying Nanty Glo
June, 2024	1,214,367	36,431,000	0
July, 2024	1,176,161	36,461,000	0
August, 2024	1,216,452	37,710,000	20
September, 2024	1,253,433	37,603,000	19
October, 2024	1,211,032	37,542,000	17
November, 2024	1,084,933	32,548,000	0
December, 2024	1,210,258	37,518,000	0
January, 2025	1,257,194	38,973,000	0
February, 2025	1,285,393	35,991,000	0
March, 2025	1,272,774	39,456,000	0
April, 2025	1,226,067	36,782,000	0
May, 2025	1,188,226	36,835,000	0
June, 2025	1,247,300	37,419,000	12

## Maintenance & Repair

Inframark staff completed 51 work orders in the month of June

- Fire extinguisher inspections
- Ladder inspections
- Sump pumps exercised
- CL17 cleaning
- Blower PM
- Plumbing to lab sink
- DAF Air saturation adjustments
- Lagoon vault cleaning/float adjustments
- Eye wash/safety shower inspections
- Grease clarifier drives
- Cleaned clarifier troughs
- Chlorine room alarm test
- Greased finished water pumps/motors
- Alternated finished water pumps
- Cleaned pH and turbidity meters weekly
- Jar testing to optimize chemical usage/manganese levels/reservoir turnover
- DAF sump level sensor verifications
- Monitored filter bed expansion
- Cleaned facility

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## Financial Update

### Maintenance Expenditures

Vendor	Expense	Description
Long Barn	\$149.05	Lab sink plumbing/valve replacement
All American Fire Equipment	\$44.63	Extinguisher inspection/maintenance
Ace Hardware	\$111.09	Shelving repairs/ Hardware/Lags

### Caps

Caps For WTP	Contract Total per Year	Previous Balance	Total Spent This Month	Remaining Balance
Maintenance Cap	\$25,950.84	\$14,492.25	\$304.77	\$14,187.48
Chemical Cap	\$93,423.12	\$35,740.53	\$11,127.10	\$24,613.43

## Health & Safety

There were no accidents in the month of June. Personnel have worked 1,977 days (5 years 6 months) without an accident/injury.

### Inframark Training and Presentations

- Weekly tailgate meetings
- Records retention

## Personnel

Name	Title	Operator Certifications
Kyle Smiley	Operator	PA Class A, E, Subclass 1,10,11,12
Tony Perott	Operator	PA Class C, E, Water Subclass 1,6,7,8,12
Cody Williams	Operator in Training	Training for PA DEP exam
Shawn Jones	Operator in Training	Training for PA DEP exam
Luke Byrne	Project Manager	PA Class A, E, Water Subclass 1,7,8,10,11,12 PA Class A, E, Wastewater