

Ebensburg Municipal Authority

August monthly report for WTP



September 22nd, 2025

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the August 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

Executive Summary

During the month of August, the Ebensburg water treatment plant treated 38,150,000 gallons of reservoir water. This equates to an average of 1,23,645 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 August is not representative due to Nanty Glo buying water.

An average of 444,905 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.

Nanty Glo continued to purchase water throughout the entire month of August. Roughly 500,000 gallons a day was supplied to Ebensburg's system to meet the demands.

On August 11th staff installed two turbidimeters, one for raw water and one for settled water. The new meters replaced old Hach 1720E's that are no longer supported by the manufacture. Several issues had developed through the month causing the instruments to read improperly. The installation of the new instruments provides the facility with accurate data and increased reliability.

On August 12th, contractors working on the Ann Street vault interrupted water service to roughly 900 customers in Ebensburg. With the recent loss of the EMA's distribution operator, Inframark was able to provide EMA with a properly licensed operator. Inframark assisted with the actions needed to correct the problem and helped issue the Boil Water Advisory. Inframark notified PA DEP and submitted the appropriate paperwork needed for the BWA. Inframark collected 8 rounds of bacteriological samples over the course of two days and then was able to provide approval to lift the BWA.

Preventative maintenance was performed on the blower for the air scour process.

On August 21st, Inframark along with Water Service Professionals completed Ebensburg's third quarter filter evaluation 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. The inspection report notes the filter is well maintained and operated.

The upper reservoir water level is – 4 ft.

Water pumping stations were inspected regularly throughout the month. All pumpstation pumps/motors were greased for the month and packing glands were inspected. The gates at both the Ogden tank and Hillcrest tanks were repaired. Weekly sampling, flow recording, and calibrations to the onsite instruments have been completed for the month. All pump stations were swept and cleaned.

On the Radar

DAF Spare parts

Upper reservoir inlet valves

Lagoon pump installation

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 August, 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 August, 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 1,279,000 – 1,124,000 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.

Past month's historical average water production

Date	Average gallons filtered per day	Total gallons filtered per month	Days Supplying Nanty Glo
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
July, 2025	1,161,581	36,009,000	13
August, 2025	1,230,645	38,150,000	31

Maintenance & Repair

Inframark staff completed 63 work orders in the month of August

- Fire extinguisher inspections
- Ladder inspections
- Sump pumps exercised
- Air scour blower preventative maintenance
- DAF Air saturation adjustments
- Stream flow monitor maintenance
- 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

Financial Update

Maintenance Expenditures

Vendor	Expense	Description
Long Barn	\$49.88	Turbidimeter plumbing
LB Water	\$81.51	Lower reservoir corp for turbidity monitoring
USA Blue Book	\$352.52	Spare floats for lagoons
Voltronics	\$554.34	Replacement 1K potentiometer
Ace Hardware	\$101.58	reservoir gate chain/lock/hardware/batteries
Harbor Freight	\$171.24	Transfer pump/2000lb D rings/shop towels

Caps

Caps For WTP	Contract Total per Year	Previous Balance	Total Spent This Month	Remaining Balance
Maintenance Cap	\$25,950.84	\$11,683.53	\$1,311.07	\$10,372.46
Chemical Cap	\$93,423.12	\$12,906.83	\$13,384.65	-\$477.82

Health & Safety

There were no accidents in the month of August. Personnel have worked 2039 days (5 years 8 months) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- PPE
- SCBA inspections

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	PA Class E, Water Subclass 12
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