

Ebensburg Municipal Authority

July monthly report for WTP



August 25th, 2025

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the July 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 July, the Ebensburg water treatment plant treated 36,009,000 gallons of reservoir water. This equates to an average of 1,161,581 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 July is not representative due to Nanty Glo buying water.

An average of 231,882 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.

On July 2nd, Nanty Glo shut off their emergency interconnect. On July 20th Nanty Glo reopened the interconnect requesting 300GMP due to a filter failure. Staff has been operating the WTP at full permit capacity and purchasing water from Saltlick to keep up with the demand. Nanty Glo has exceeded the 15th day of purchase stated for an emergency interconnect.

On July 3rd staff received a call out for the raw water valve not functioning properly. It was discovered the instrument that provides the 4-20 mA feedback was faulty. A new device was installed and has been working properly.

During the month, one of the Flygt pumps in the lagoon wet well experienced a seal failure. Staff pulled the pump and sent it to Ram for an evaluation. The pump was found to be roughly 20 years old and the cost of the rebuild was over 50% of a new pump. A new pump has been ordered.

On July 22nd-23rd, PA DEP performed their annual water supply inspection. The inspection went great. The inspector stated we have one of the best operated facilities that he inspects.

Third quarter PFAS samples have been collected for UCMR5 and results yielded no detects.

Inframark employee Anthony Perott successfully passed all required subclasses needed for the Ebensburg WTP. He is now a fully licensed operator for the facility.

The upper reservoir water level is – 2 ft.

Water pumping stations were inspected regularly throughout the month. #2 pump at Saltlick tripped out on low voltage during the month. This could be an indication of a problem starting with the pump or it could have been a one-time issue with line power. The pump has been operating properly since the issue, and we will continue to monitor. 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. All pump stations were swept and cleaned.

On the Radar

DAF Spare parts

Upper reservoir inlet valves

Online turbidity instrument replacement

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 July, 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. Five samples were collected in July, and all five 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 1,347,000 – 1,068,000 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
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
July, 2025	1,161,581	36,009,000	13

Maintenance & Repair

Inframark staff completed 56 work orders in the month of July

- Fire extinguisher inspections
- Ladder inspections
- Sump pumps exercised
- Sodium permanganate pump issues
- DAF Air saturation adjustments
- Lagoon motor pull
- 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	\$60.97	Loading dock repairs
The Meter Guy LLC	\$725.00	Annual meter calibrations
Walmart	\$246.01	Air hose, sampling disinfectants, sump pump
Heritage Environmental	\$129.50	Chlorine scale repairs
Hach	\$1,170.19	pH probe
Ace Hardware	\$19.99	Raw water valve repair
APPLIED	\$152.29	Raw water valve solenoid

Caps

Caps For WTP	Contract Total per Year	Previous Balance	Total Spent This Month	Remaining Balance
Maintenance Cap	\$25,950.84	\$14,187.48	\$2,503.95	\$11,683.53
Chemical Cap	\$93,423.12	\$24,613.43	\$11,706.60	\$12,906.83

Health & Safety

There were no accidents in the month of July. Personnel have worked 2008 days (5 years 7 months) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- Crane truck safety

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