

Ebensburg Municipal Authority

April monthly report for WTP



May 19th, 2025

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the April 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 April, the Ebensburg water treatment plant treated 36,728,000 gallons of reservoir water. This equates to an average of 1,226,067 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 April indicate a 109,586 gallon per day increase in production compared to last year.

An average of 65,726 gallons per day was purchased from Saltlick and blended into Ebensburg's distributions system.

Second quarter disinfection by-product samples were collected at sample sites 700 Mini mall and 701 Airport. Both samples were found to be under the MCL for Haloacetic acids and Trihalomethanes.

On April 28th another powerful storm with high winds passed through Ebensburg. The power was out for two and half days. The plant ran off the backup generator during that time. The plant ran well during the outage with no major issues. Generator fuel deliveries kept the plant online until the power was restored.

The DAF recycle pump was taken out of service and rebuilt

Second quarter PFAS sampling was conducted but results have not been received yet. Results should be in by May 20th.

The upper reservoir water level is increasing with the recent precipitation. The current level is – 2.5 ft.

Water pumping stations were inspected regularly throughout the month. Saltlick and Ogden pumping stations were out of power for 4 days this month. All electrical components were visually inspected prior to power being restored. No damage occurred from the outages. Staff did discover the battery backups at these locations have very short life spans and need replaced. All pumpstation pumps/motors were greased for the month. 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 gate valves

CCR to customers

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 April, 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 April 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 1,125,000 – 1,331,000 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
April, 2024	1,130,200	33,906,000	6
May, 2024	1,138,258	35,286,000	0
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

Maintenance & Repair

Inframark staff completed 70 work orders in the month of April

- Fire extinguisher inspections
- Ladder inspections
- Sump pumps exercised
- DAF Recycle pump rebuilt
- Chlorine scale bolt repair
- CL17 cleaning
- 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

Financial Update

Maintenance Expenditures

Vendor	Expense	Description
Amazon	\$18.00	Diesel pump handle
APPLIED IND TECH	\$131.21	Raw water valve solenoids
Long Barn	\$166.70	Fuel tank electrical, Lagoon, Peg Board
Harbor Freight	\$255.35	Jack, metal drill bits, sample cell cleaners
Ace Hardware	\$207.30	Caustic tank fittings, lighting, reservoir vault
USA Bluebook	\$1,276.06	pH probe

Caps

Caps For WTP	Contract Total per Year	Previous Balance	Total Spent This Month	Remaining Balance
Maintenance Cap	\$25,950.84	\$16,865.45	\$2,054.60	\$14,810.85
Chemical Cap	\$93,423.12	\$54,488.89	\$5,488.11	\$49,000.78

Health & Safety

There were no accidents in the month of April. Personnel have worked 1,916 days (5 years 4 months) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- Distracted driving
- Heat illness

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
Matthew Hull	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