

Ebensburg Municipal Authority

May monthly report for WTP



June 23rd, 2025

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the May 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 May, the Ebensburg water treatment plant treated 36,835,000 gallons of reservoir water. This equates to an average of 1,188,226 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 May indicate a 49,968 gallon per day increase in production compared to last year.

An average of 63,854 gallons per day was purchased from Saltlick and blended into Ebensburg's distributions system.

Durning May, annual flow meter calibrations were performed on all compliance meters used for the water treatment plant facility. The Ogden flow meter was also calibrated.

Annual sampling of inorganic compounds (IOC's), volatile organic compounds (VOC's) and synthetic organic compounds (SOC's) were sampled during May. All samples were found to be in compliance.

Two cable bolts were replaced on the gas chlorine scale at the WTP.

The DAF permanganate pump was taken offline for maintenance. The injector valve was cleaned and lines cleared.

The upper reservoir water level is increasing with the recent precipitation. The current level is – 1 ft.

Water pumping stations were inspected regularly throughout the month. The Hillcrest generator was serviced on May 19th and found to be in good operating condition. The Ogden vault was pumped out 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. Two light bulbs were replaced at Saltlick. All pump stations were swept and cleaned.

On the Radar

DAF Spare parts

Upper reservoir gate valves

Online pH probe replacement

Lead and Copper sampling

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 May, 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 May 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 1,097,000 – 1,317,000 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
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
May, 2025	1,188,226	36,835,000	0

Maintenance & Repair

Inframark staff completed 65 work orders in the month of May

- 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
eBay	\$111.40	Indicator lights
Lowes	\$183.29	Screening unit cleaning project
Ace Hardware	\$23.19	Pressure washer fittings

Caps

Caps For WTP	Contract Total per Year	Previous Balance	Total Spent This Month	Remaining Balance
Maintenance Cap	\$25,950.84	\$14,810.85	\$318.60	\$14,492.25
Chemical Cap	\$93,423.12	\$49,000.78	\$13,260.25	\$35,740.53

Health & Safety

There were no accidents in the month of May. Personnel have worked 1,947 days (5 years 5 months) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- PPE Program

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