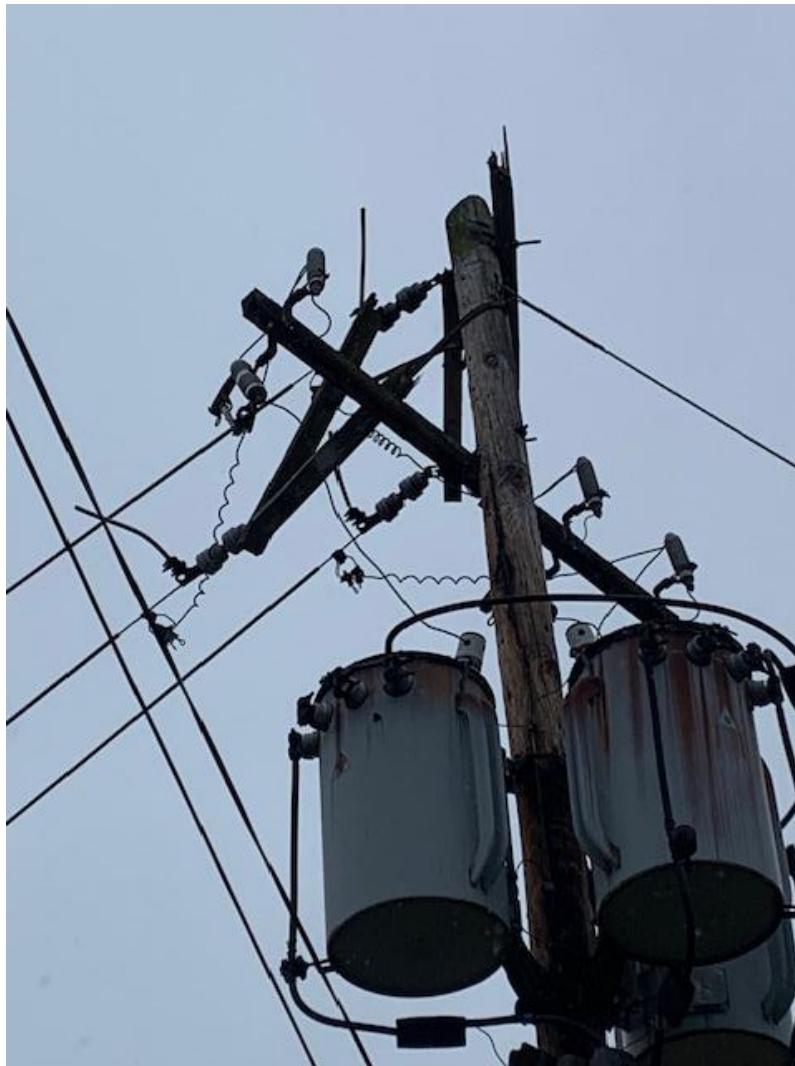


Ebensburg Municipal Authority

March monthly report for WTP



April 28th, 2025

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the March 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 March, the Ebensburg water treatment plant treated 39,456,000 gallons of reservoir water. This equates to an average of 1,272,774 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 March indicate a 124,709 gallon per day increase in production compared to last year.

An average of 122,234 gallons per day was purchased from Saltlick and blended into Ebensburg's distributions system. This is higher than normal due to the excessive water loss.

On March 5th staff lost communication with the raw water meter. Staff found the problem to be a shorted wire in an underground conduit filled with water. A temporary outlet was installed to get the plant back running in auto. Dodson Electric is scheduled to install new conduit and weatherproof boxes for the meter power and communication wires.

The DAF was taken offline this month for repair of the rubber scraper and to install oil drain lines on all the mixers. That work was completed and now allows for the oils in the mixers to be changed without taking the DAF unit offline. The DAF was placed back into service and has been running well.

On March 15th a powerful storm with high winds passed through Ebensburg. A large tree fell on the WTP powerlines. The top of the pole at the plant broke but power remained on until it was shut off by Penelec Saturday evening due to high hazard concerns. Staff switched to generator power at that time and manned the plant around the clock until Penelec was able to restore the power Monday March 17th.

A quarterly filter evaluation was performed on filter #2. 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.

Inframark Staff installed two new LED lights in the generator room located on the second floor of the WTP.

The upper reservoir water level is increasing with the recent precipitation. The current level is – 3.5 ft.

Water pumping stations were inspected regularly throughout the month. Several inches of water leaked into the Ogden vault from the recent rain and spring snow melt. That was removed with a sump pump. Inframark attended a pre bid meeting for the Ogden tank site improvements. 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. Inframark has notified the public works director of two leaks discovered in the distribution system.

On the Radar

DAF Spare parts

WTP finished water pump inspections and rebuilds

Upper reservoir gate valves

Ebensburg CCR to consecutives

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 March, 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 March 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 1,178,000 – 1,324,000 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.
- Pump station 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
March, 2024	1,148,065	35,590,000	0
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

Maintenance & Repair

Inframark staff completed 75 work orders in the month of March

- Fire extinguisher inspections
- Ladder inspections
- Sump pumps exercised
- Raw meter electrical repairs
- Generator room lights
- DAF lightning mixer oil changes

- 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
- Snow removal and salting walkways
- Cleaned facility

Financial Update

Maintenance Expenditures

Vendor	Expense	Description
Amazon	\$215.58	Oil pump/pipe cutters
APPLIED IND TECH	\$1,498.05	Raw water valve solenoids/DAF wash valve
Tractor Supply	\$537.93	Diesel fuel tank
VEVOR	\$180.74	Fuel tank pump
Long Barn	\$94.00	DAF oil drains/mixer piping
eBay	\$230.66	DVR replacement
Austin Surplus	\$1,236.59	Aeration rapid mixer assembly
Lubrication Engineers	\$774.32	DAF food grade mixer oil

Caps

Caps For WTP	Contract Total per Year	Previous Balance	Total Spent This Month	Remaining Balance
Maintenance Cap	\$25,950.84	\$21,633.32	\$4,767.87	\$16,865.45
Chemical Cap	\$93,423.12	\$76,743.67	\$22,254.78	\$54,488.89

Health & Safety

There were no accidents in the month of March. Personnel have worked 1,886 days (5 years 3 month) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- Vehicle safety
- Securing loads
- CCR Data review

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