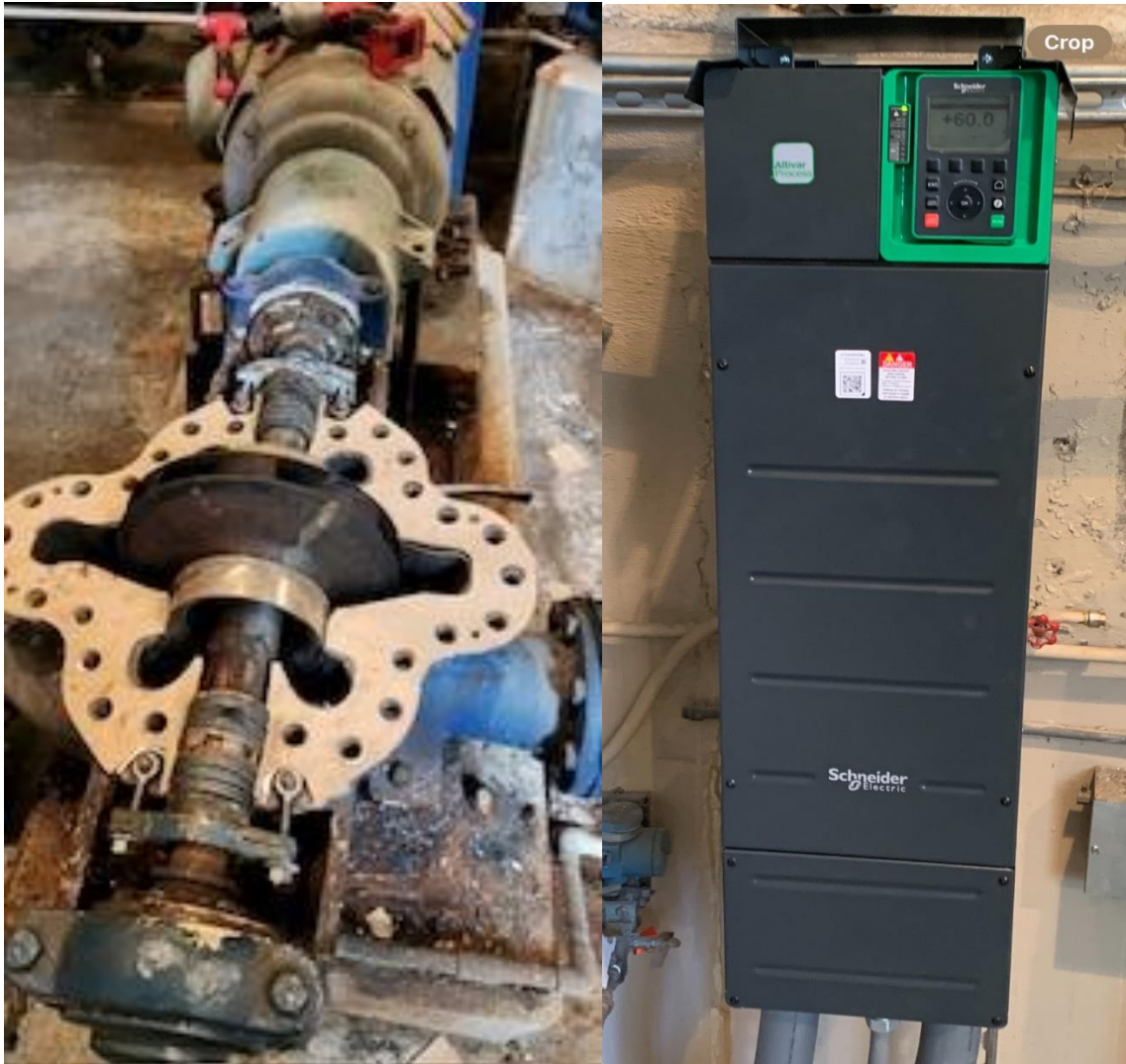


Ebensburg Municipal Authority

July monthly report for WTP



August 26th, 2024

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the July 2024 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 36,461,000 gallons of reservoir water. This equates to an average of 1,176,161 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 indicate an increase of 315,838 gallons per day.

An average of 72,590 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 and contractors flushing for the water line project.

Third 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. This is the seventh quarter in a row that the system has been under the MCL.

Third quarter PFAS monitoring was conducted on July 9th. Analysis yielded no detects. Next sampling is scheduled for October 8th.

On May 23-24th Pennsylvania DEP performed a filter plant performance evaluation. During the months of June and August Inframark staff continues to work with PA DEP to answer additional questions about the treatment facility to update state records.

Inframark staff has been working with the Ebensburg's public works director to assist with guidance on dirty water complaints and recommendations for leak detection areas. The leak repair on spruce street was estimated to be roughly 35GPM. That equates to about 50,000 gallons a day.

Cement repairs were made to the WTP dock steps and face of blocks. All surfaces were then painted.

DAF scraper repairs were made to the drive side of the unit. The drive side was raised roughly $\frac{3}{4}$ in to allow for clearance when crossing over the beach area.

Water pumping stations were inspected regularly throughout the month. Staff worked 3 days with Dodson electric to repair the burnt-up motor contactor at the Hillcrest tank site. A new VFD was installed. During the time the pump was out of service, Inframark staff rebuilt pump# 2. The pump was dismantled, repacked, new gaskets installed, and new swing blots. Since the repairs everything has been running well. Inframark continues to boost/monitor the chlorine residual at the Ogden tank site. All pumpstation pumps/motors were greased for the month.

On the Radar

DAF Spare parts

DAF scraper repairs

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.
- July 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.
- Collected third quarter disinfection by product samples.
- Collected third quarter PFAS samples.

Plant Operations

- Plant production has fluctuated through the month ranging from 1,039,000–1,256,000 gallons/day.
- Seasonal adjustments have been made to the filter wash cycles to increase media clean up after backwash. Air scour duration has been increased by 60 seconds and filter runtimes have been reduced to 72 hours.
- 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
July, 2023	860,323	26,670,000	0
August 2023	1,008,484	31,263,000	16
September, 2023	940,233	28,207,000	5
October, 2023	856,484	26,551,000	0
November, 2023	923,933	27,718,000	0
December, 2023	1,081,935	33,540,000	0
January, 2024	1,153,581	35,761,000	0
February, 2024	1,151,690	33,399,000	0
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

Maintenance & Repair

Inframark staff completed 63 work orders in the month of July

- Fire extinguisher inspections
- DAF scraper adjustments
- Caustic pump flushing
- CL17 cleaning
- SCBA inspections
- Dock repairs
- Ladder inspections
- Sump pumps exercised
- DAF lightning mixer oil level inspections
- Blower lubrication
- 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
- DAF sump level sensor verifications
- Monitored filter bed expansion
- Cleaned facility

Financial Update

Maintenance Expenditures

Vendor	Expense	Description
RAM	\$813.00	Lagoon Pump repairs
Harbor Freight	\$446.16	Troch kit/cut off wheels/hardware
Tractor Supply	\$238.16	Silicon/paint/broom/wire wheels
Long Barn	\$220.80	Hydraulic cement/filter/hardware/spray foam
Wal-Mart	\$59.26	Bee spray/batteries

Caps

Caps For WTP	Contract Total per Year	Previous Balance	Total Spent This Month	Remaining Balance
Maintenance Cap	\$25,000	\$12,081.77	\$1,777.38	\$10,304.39

Health & Safety

There were no accidents in the month of July. Personnel have worked 1,643 days (4 years, 7 months) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- Hillcrest LOTO SOP
- PFAS Sample collection SOP

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
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