

Ebensburg Municipal Authority

October monthly report for Ebensburg WWTP



November 20, 2023

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,
Inframark is pleased to submit the October 2023 monthly report detailing the operations and maintenance of the Ebensburg wastewater treatment facility.

Thank you for the opportunity to provide Operations and Maintenance Services to the Borough 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 October, the Ebensburg wastewater plant treated 15,697,600 million gallons of wastewater. This equates to an average of 506,374 gallons per day.

All testing and operational requirements were met for the month of October.

The centrifuge was operated once a week on average and 6.603 tons of dry sludge was sent to the landfill.

Stutzman hauled in 54,200 gallons of sludge from Somerset Co. Water system that was placed in the drying beds.

Kone Cranes performed annual hoist inspections

Staff installed two rebuilt mixers in SBR tanks and made new stainless-steel cables for lifting.

Staff repaired the screening unit in head works. After receiving a quote of \$46,000 from pumpman to repair the unit, Inframark reached out to a local welder/fabricator. Working closely with the fabricator allowed us to perform the labor and them to manufacture the parts needed for the repair. We completed the repair for roughly \$1,900. The unit is back in service and running well.

Trojan replaced several burnt-out bulbs and replaced one ballast with a burnt wire on the UV system. The UV system is currently back to 100% functionality with no issues.

Over the past several months Inframark has been checking on the WWTP pumping stations to assist with additional monitoring at these facilities. Inframark has discovered the generators at the pumpstation facilities have not been maintained for some time now. On October 9th, Inframark took a generator tech around to the facilities to build a plan for annual maintenance on the generators. During that time, it was discovered the transfer switch at the Emerald estates lift station is not operational when the generator started. We have contacted the manufacturer of the transfer switch and are working with Dodson electric to determine what is needed for the repair.

On the Radar

Level sensors for SBR tanks

UV inventory

SBR#2 mixer fault

Operations

Compliance:

- SBR tank testing is performed for process control purposes on Monday, Wednesday, and Friday of each week. Analysis completed is one Settleability, one Mixed Liquor Suspended Solids (MLSS) one Mixed Liquor Volatile Suspended Solids (MLVSS).
- Influent and effluent compliant testing is completed for reporting to DEP on Tuesdays and Thursdays. The testing performed is one Influent Total Suspended Solids (TSS), two effluent Total Suspended Solids (TSS). One Influent Biological Oxygen Demand (BOD), one effluent Carbonaceous Biological Oxygen Demand (CBOD) on those days.
- Effluent pH and Dissolved Oxygen are done 7 days a week.
- Composite samples collected.
- All data is entered into WIMS daily for E-DMR monthly reporting.
- Monthly reports are sent to DEP electronically by the 28th of each month.

Plant Operations

- Industrial Park and Emerald estates pump stations checked daily.
- Compliance samples collected.
- Process control lab work completed daily.
- Operated the centrifuge.
- Sludge pumped up to digesters for thickening.
- Aeration cycles altered to optimize sludge.
- Influent and Effluent samplers checked daily.

Maintenance & Repair

- Inframark staff completed 218 work orders in the month of October.
- Greased decanters on SBR tanks.
- Screening unit repair.
- SBR#2 fault investigation.
- Monthly safety inspections completed for the month.
- Hosed and cleaned U.V. trough, bulbs, sensors.
- Influent screening unit hosed and cleaned daily.
- Checked oil and belts on blowers daily.
- Centrifuge building floor hosed.
- Cut grass and weed eat facility premises.
- Control building floors swept and mopped weekly.

Financial Update

Maintenance Expenditures

Kone Cranes	\$1,834	Safety inspection of 5 hoist
EXXON	\$19.75	Gas for mower
Harbor Freight	\$358.56	Lift jack
Foster Wineland	\$5.69	Mower top lock
Ace Hardware	\$26.24	Sampler tubing
Tractor Supply	\$123.17	Buckets/stainless-steel cable/hooks/anchors
Dollar General	\$53.74	Rags/cleaner

Caps For WWTP	Contract Total per Year	Previous Balance	Total Spent this month	Remaining Balance
Maintenance Cap	\$25,691.76	\$5,959.26	\$2,421.15	\$3,5338.11
Sludge	\$84,782.76	\$44,809.41	\$6,439.28	\$38,370.13

Health & Safety

There were no accidents in the month of October. Personnel have worked 1,369 days (3 years 10 months) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- COVID-19 news and updates
- Personal Protective Equipment
- UV training on HMI
- Compliance sample collection

Personnel

Name	Title	Wastewater Operator Certifications
Sharon Burkett	Lead Operator	PA Class A, E, Wastewater Subclass 1,2,3,4,5
Kyle Smiley	Operator	PA Class A, E, Water Subclass 1
Randy Lauer	Operator	PA Class A, E, Wastewater Subclass 1,2,3,4
Luke Byrne	Plant Manager	PA Class A, E, Water Subclass 1,7,8,10,11