

Ebensburg Municipal Authority

November monthly report for WWTP



December 18, 2023

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,
Inframark is pleased to submit the November 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 November, the Ebensburg wastewater plant treated 19,602,000 million gallons of wastewater. This equates to an average of 653,400 gallons per day.

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

The centrifuge was operated once a week on average and 5.863 tons of dry sludge was sent to the landfill.

Screening unit operations are being investigated by staff to ensure optimization of the press unit.

Inframark had a HVAC tech service the boiler at the WWTP. During that time a few issues were discovered. An emergency shut down switch was discovered faulty which was the main cause of the boiler not running. A complete list of findings from the tech was discussed with the borough manager. We are also working with the Tech on a few additional unit heater concerns at the WWTP and Industrial park pumping station.

Over the past several months Inframark has been checking on the WWTP pumping stations to assist with additional monitoring at these facilities. Recently it was learned that the failing transfer switch at the Emerald pumping station was damaged by lightning in the past. We have ordered a new automatic transfer switch and plan to have Dodson replace the current failing switch.

A project has been approved for the replacement of both discharge elbows, slide rails, and machine/balance pump impellers at the Industrial Park sewer lift station. This project will begin once the parts are received.

On the Radar

Level sensors for SBR tanks

UV inventory

Screening unit building heat

Polymer jar tests

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.
- Record UV intensity.
- Composite samples collected.
- Completed WETT test and achieved passing results.
- 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.
- Screening unit inspections
- Record/adjust process phases.
- Utility water pumping
- Operations of WAS pumps vs Stability.
- Decant digesters for thickening.
- Process control lab work completed daily.
- Operated the centrifuge.
- Optimize polymer feed system.
- Sludge dumpster preparation.
- Sludge pumped up to digesters for thickening.
- Removed floating debris in SBR tanks.
- Aeration cycles altered to optimize sludge.
- Operated grit removal.
- Influent and Effluent samplers checked daily.
- UV operational checks

Maintenance & Repair

- Inframark staff completed 214 work orders in the month of November.
- Greased decanters on SBR tanks.
- Greased screening unit.
- Heat tape installed on effluent composite sampler line.
- Boiler maintenance.
- 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, grease weekly.
- Centrifuge building floor hosed.
- Greased centrifuge.
- Cut grass and weed eat facility premises.
- Cleaned up fall debris/flowerbeds.
- Snow removal/salting.
- Remove debris from State School weir box.
- Control building floors swept and mopped weekly.

Financial Update

Maintenance Expenditures

Scanlan Supply	\$255.02	Fluorescent lights
Walmart	\$19.70	Batteries
Kaza (All American Fire)	\$194.46	Fire extinguisher inspections
Long Barn	\$33.28	Utility water line plumbing

Caps

Caps For WWTP	Contract Total per Year	Previous Balance	Total Spent this month	Remaining Balance
Maintenance Cap	\$25,691.76	\$3,538.11	\$502.46	\$3,035.65
Sludge	\$84,782.76	\$38,370.13	\$3,922.88	\$34,447.25

Health & Safety

There were no accidents in the month of November. Personnel have worked 1,399 days (3 years 11 months) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- COVID-19 news and updates
- Personal Protective Equipment
- Centrifuge operations and shut down SOP

Personnel

Name	Title	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
Tony Perott	Operator	PA Class C, E, Water Subclass 1,6,7,8,12