

Ebensburg Municipal Authority

September monthly report for Ebensburg WWTP



October 23, 2023

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,
Inframark is pleased to submit the September 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/Michael Montgomery

Executive Summary

During the month of September, the Ebensburg wastewater plant treated 14,893,600 million gallons of wastewater. This equates to an average of 496,500 gallons per day.

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

The centrifuge was operated once a week on average and 2.771 tons of sludge was sent to the landfill.

While performing monthly inspections on mixers, staff was unable to lift mixer #2 in SBR tank #2. SBR #2 was drained, and it was discovered the stainless-steel cable was tangled around the slide rail making it impossible to lift. Staff cut tangled cable and installed a new one.

Over the past several months Inframark has been checking on the WWTP pumping stations to assist with additional monitoring at these facilities. On September 13th, staff discovered an alarm at the CAT pumping station. The vault was pumped down manually to investigate the problem. We discovered one of the floats were tangled causing the alarm. Staff was able to untangle the float and clear the alarms allowing the pumpstation to return to normal operation.

On September 15th, the failing pump at the Emerald estates pump station was pulled and disassembled. Two pieces of a green plastic disc were lodged in the impeller causing the failure. The pieces were removed and the pump was reassembled. We tested the pumps and everything ran smoothly. Currently all four pumps are operational at the lift station.

On the Radar

Screening unit discharge auger

Level sensors for SBR tanks

UV lighting burnt wire

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 216 work orders in the month of September.
- Greased decanters on SBR tanks
- 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

Dollar General	\$11.66	Cleaning supplies
EXXON	\$75.90	Gas for mower
Tractor Supply	\$91.14	Garbage cans for pump stations
Ray's Lawnmower	\$661.04	New push mower/oil
Ace Hardware	\$23.00	Nozzle for garden hose
Applied Technologies	\$294.28	Oil for U. V. unit

Caps For WWTP	Contract Total per Year	Previous Balance	Total Spent this month	Remaining Balance
Maintenance Cap	\$25,691.76	\$7,116.37	\$1,157.11	\$5,959.26
Sludge	\$84,782.76	\$57,008.28	\$12,198.87	\$44,809.41

Health & Safety

There were no accidents in the month of September. Personnel have worked 1,338 Days (3 years 9 months) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- COVID-19 news and updates
- Personal Protective Equipment
- SCADA UV trending

Personnel

Name	Title	Wastewater Operator Certifications
Michael Montgomery	Plant Manager	PA Class A, E, Wastewater Subclass 1,2,3,4
Sharon Burkett	Lab Supervisor	PA Class A, E, Wastewater Subclass 1,2,3,4,5
Kyle Smiley	Operator	PA Class A, E, Water Subclass 1
Luke Byrne	Plant Manager	PA Class A, E, Water Subclass 1,7,8,10,11
Jacob Dumm	Operator in Training	Preparing for Exam