

Ebensburg Municipal Authority

February monthly report for WWTP



March 24th, 2025

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the February 2025 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 February, the Ebensburg wastewater plant treated 29,925,000 gallons of wastewater. This equates to an average of 1,068,750 gallons per day.

The centrifuge was operated weekly this month, and 15.12 tons of dry sludge was sent to the landfill.

February was a wet month with rain/snow/ice events. The plant went in and out of storm mode several times throughout the month with no issues.

A new garage door actuator was installed on the centrifuge garage door replacing the old one that locked up.

A new contract was negotiated with Waste Management providing reduced rates for sludge hauling and pricing per ton.

During February, the Trojan UV HMI touch screen stopped working. This is the third time this screen has gone bad in the past 4 years. Staff immediately contacted Trojan and discovered the unit was still under warranty for 1 more month. Trojan requested pictures and then warrantied the screen. We are taking additional measures as well by installing an outdoor cover and new door seal on cabinet. We also plan to install desiccant beads to help reduce moisture. Staff replaced 3 bulbs and 4 wipers on the UV system this month.

The sewer lift stations were inspected regularly throughout the month. The pump runtime hours were documented, and generators were exercised. Basket screeners were pulled and cleaned out. Snow plowing and other winter maintenance was performed at all three stations. Staff discovered a bad float that was causing two of the pumps at Emerald estates lift station to run continuously. A new float was installed, and the pumps are operating properly. The Industrial Park Marine Center lift station continues to have higher than normal flows. Inframark has recommended investigating that area for a possible water main break.

On the Radar

Screening unit repairs

UV spare parts

Lawn repairs

Operations

Compliance:

- Effluent pH alkalinity, and dissolved oxygen are analyzed 7 days a week.
- SBR tank testing is performed for process control purposes on Monday, Wednesday, and Friday of each week. Analysis completed is Settleability, and Mixed Liquor Suspended Solids (MLSS) on all four SBR units.
- Influent and effluent compliant testing is completed for reporting to DEP on Tuesdays and Thursdays. The testing performed is two Influent Total Suspended Solids (TSS) and two biological oxygen demand (BOD). Two effluent Total Suspended Solids (TSS), two Carbonaceous Biological Oxygen Demand (CBOD), two Phosphorus, two Total Kjeldahl Nitrogen, two Nitrate-Nitrite, two Ammonia as N, and two fecal coliform samples.
- Record UV intensity.
- 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.
- Stormwater inspections

Plant Operations

- Inspected Industrial Park and Emerald Estates pump stations
- Composite samplers are inspected, and samples collected
- Screening unit inspections/clean outs daily
- Grit removal process inspections/optimization
- Record/adjust process SBR phases
- Utility water pumping
- Operations of WAS pumps vs settleability
- Sludge pumped up to digesters for thickening
- Decant digesters to allow more thickening
- Process control lab work completed daily
- Centrifuge operations
- Optimize polymer feed system
- Sludge dumpster preparation
- Removed floating debris in SBR tanks
- Aeration cycles altered to optimize sludge
- Influent and Effluent samplers checked daily
- UV operational checks

Maintenance & Repair

- Inframark staff completed 91 work orders in the month of February
- Greased decaners on SBR tanks
- Greased screening unit
- Influent screening unit hosed and cleaned daily
- Installed new garage door opener in centrifuge building
- Trojan UV HMI repairs
- Repaired lighting issues around the facility
- Installed new float at Emerald Estates PS
- Replaced 3 bulbs and 4 wipers on the UV unit
- Greased skid steer
- Cleaned sludge pump access hatches
- Headworks bypass channel cleaning
- Grit removal oil level inspections
- Cleaned wet well pump floats
- Cleaned UV basin and bulb covers
- Clean out #3 and #4 digester weirs and troughs
- Monthly safety inspections completed for the month
- Checked oil and belts on blowers daily, grease weekly
- Centrifuge building floor hosed
- Greased centrifuge
- Inspect State School weir box
- Snow removal and salting walkways
- Control building floors swept and mopped weekly

Financial Update

Maintenance Expenditures

| | | |
|----------------|------------|--|
| Harbor Freight | \$176.95 | Hoist for hanging headworks heaters |
| LB Water | \$1,663.18 | 4inch valves and pipe |
| Ace Hardware | \$106.98 | Auto sampler repairs |
| The Long Barn | \$39.90 | Heat tape/ |
| Amazon | \$578.89 | Block heaters for pumpstations/batteries |
| Vevor | \$48.81 | Impact sockets |
| TEQUIPMENT | \$89.37 | UV HMI cover |

Caps

| Caps For WWTP | Contract Total per Year | Previous Balance | Total Spent this month | Remaining Balance |
|----------------------|--------------------------------|-------------------------|-------------------------------|--------------------------|
| Maintenance Cap | \$25,950.84 | \$25,697.25 | \$2,704.08 | \$22,993.17 |
| Sludge Cap | \$83,042.76 | \$65,963.76 | \$11,413.60 | \$54,550.16 |
| Chemical Cap | \$23,251.92 | \$20,103.93 | \$3,148.65 | \$16,955.28 |

Health & Safety

There were no accidents in the month of February

Personnel have worked 1,855 days (5 years 2 month) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- Slips trips and falls
- Trojan SCADA control SOP

Personnel

| Name | Title | Operator Certifications |
|-------------|----------------------|---|
| Randy Lauer | Operator II | PA Class A, E, Wastewater Subclass 1,2,3,4 |
| Kyle Smiley | Operator II | PA Class A, E, Water Subclass 1,10,11,12 |
| Tony Perott | Operator I | PA Class C, E, Water Subclass 1,6,7,8,12 |
| Shawn Jones | Operator in Training | Training for PA DEP exam |
| Matt Hull | 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 |