

Ebensburg Municipal Authority

November monthly report for WWTP



December 15th, 2025

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the November 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 November, the Ebensburg wastewater plant treated 18,355,700 gallons of wastewater. This equates to an average of 611,857 gallons per day.

The centrifuge was operated once this month, and 14 tons of dry sludge was sent to the landfill.

During November staff performed routine maintenance on the Trojan UV unit. A small leak was discovered on the coolant system, and parts have been ordered to complete the repair.

Annual maintenance was performed on the SBR blowers. New belts were installed along with seals. Inlet filters were replaced, and blowers were visually inspected for additional maintenance concerns. A few of the grease fittings are not taking grease as they should. Eventually these blowers will need to be taken out of service and sent out to be rebuilt.

During winter weather inspections, a faulty section of heat tape was discovered on the effluent composite auto sampler. The entire sample line was pulled out of the effluent sample trough and new heat tape was installed.

A dehumidifier was installed in the basement of the facility to help with moisture.

Recently we have been working on several SCADA upgrades at both treatment facilities. A plan is in place to complete several small projects in 2026. We also plan to have the SCADA engineers provide an evaluation of our equipment and long-term reliability. Cyber security threats are on the rise, and we want to make sure EMA's facilities are protected with modern equipment that is capable of defending cyber threats.

The sewer lift stations were inspected regularly throughout the month. The pump runtime hours were documented, and generators were inspected for normal operations. The wet wells were pumped down, and flanges/seats were inspected for leaks. No leaks were discovered. The floats/transducers at all three lift stations were also found to be working properly. Basket screeners were pulled and cleaned out. The lift station buildings were swept and cleaned.

On the Radar

SCADA programming

Grit blower repairs

UV Coolant levels

Winter weather inspections

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.
- Annual Whole Effluent Toxicity Testing was conducted.
- All samples collected during October were in compliance.

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 optimized
- Influent and Effluent samplers checked daily
- UV operational checks

Maintenance & Repair

- Inframark staff completed 80 work orders in the month of November
- Greased decanters on SBR tanks
- Greased screening unit
- Influent screening unit hosed and cleaned daily
- Trojan UV channel cleaning
- UV maintenance
- SBR blower belts/inlet filters/seals
- Process water maintenance
- Headworks bypass channel cleaning
- Grit removal 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
- Checked oil and belts on blowers daily, grease weekly
- Centrifuge building floor hosed
- Greased centrifuge
- Inspect State School weir box
- Control building floors swept and mopped weekly

Financial Update

Maintenance Expenditures

Tractor Supply	\$312.49	Polymer pump head
Ace Hardware	\$240.57	Centrifuge conveyor project/hardware
Amazon	\$58.42	Belts for blower room exhaust fan
Sheetz	\$33.35	Fuel for mowers
Walmart	\$672.27	Dehumidifier/batteries/centrifuge repairs
Harbor Freight	\$363.34	Straps/hoists/rigging/drill bits/hardware centrifuge
Long Barn	\$372.90	14 ft Ladder/ cutoff wheels
Grainger	\$213.60	V rings for bowers

Caps

Caps For WWTP	Contract Total per Year	Previous Balance	Total Spent this month	Remaining Balance
Maintenance Cap	\$25,950.84	\$5,593.88	\$2,266.94	\$3,326.94
Sludge Cap	\$83,042.76	\$14,441.07	\$6,756.79	\$7,684.28
Chemical Cap	\$23,251.92	\$7,792.72	\$3,066.25	\$4,726.47

Health & Safety

There were no accidents in the month of November

Personnel have worked 2,130 days (5 years 11 months) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- Walkway inspections
- Lock out Tag out

Personnel

Name	Title	Operator Certifications
Randy Lauer	Operator II	PA Class A, E, Wastewater Subclass 1,2,3,4
Kyle Smiley	Operator III	PA Class A, E, Water Subclass 1,10,11,12 PA Class A, E, Wastewater Subclass 1
Tony Perott	Operator I	PA Class C, E, Water Subclass 1,6,7,8,12
Shawn Jones	Mechanic II	NA
Joseph Pompa	Operator in Training	Training for PA DEP exam
Cody Williams	Operator	PA Class E Water Subclass 12
Luke Byrne	Project Manager	PA Class A, E, Water Subclass 1,7,8,10,11,12 PA Class A, E, Wastewater