

Ebensburg Municipal Authority

August monthly report for WWTP



September 22nd, 2025

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the August 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 August, the Ebensburg wastewater plant treated 16,173,900 gallons of wastewater. This equates to an average of 521,738 gallons per day.

The centrifuge was operated twice this month, and 8.69 tons of dry sludge was sent to the landfill.

During early August, staff received a call out for the UV unit coolant pump failure. When the pump called for a start, it would immediately trip the overload. The initial diagnosis process pointed towards the pump pulling to many amps and tripping the circuit. The pump was pulled and sent to Ludwigs for tests to be run. The pump tested OK. We then evaluated the electrical circuit where we discovered a faulty contactor. A new one was installed, and a spare was purchased.

While operating the centrifuge this month we had to perform another emergency stop during one of the presses. The polymer mixing chamber became clogged and broke the acrylic chamber where the polymer is mixed. Staff was able to get the press shut down with no issues other than the clean up from the polymer that was expelled.

Dodson Electric continued to work on a few conduit projects in the headworks

Duckweed removal has been an ongoing process during the month. The process water control valve also became clogged during the month causing maintenance to be performed on the effluent tank.

A new faucet was installed in the lab sink

The sewer lift stations were inspected regularly throughout the month. Cummins generator has scheduled annual maintenance for all three onsite generators for September 24th. 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

Process water cover

Grit blower repairs

Drying bed clean out

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.
- All samples collected during May 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 88 work orders in the month of August
- Greased decaners on SBR tanks
- Greased screening unit
- Influent screening unit hosed and cleaned daily
- Trojan UV channel cleaning
- UV coolant pump electrical repairs
- Polymer mixer repairs
- 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
- Lawn maintenance
- Inspect State School weir box
- Control building floors swept and mopped weekly

Financial Update

Maintenance Expenditures

Ace Hardware	\$46.57	Toilet repairs
Long Barn	\$13.99	UV Hose
Amazon	\$203.65	Lab faucet /stainless plumbing fixtures
Sheetz	\$49.29	Fuel for mower/pumps
Grainger	\$38.16	SBR hoist clamps
Tractor Supply	\$184.40	Weed killer/cut off wheels/hydraulic fluid
Teledyne Instruments	\$272.42	Sampler tubes for auto sampler

Caps

Caps For WWTP	Contract Total per Year	Previous Balance	Total Spent this month	Remaining Balance
Maintenance Cap	\$25,950.84	\$12,238.98	\$804.48	\$11,430.50
Sludge Cap	\$83,042.76	\$32,371.58	\$0	\$22,832.56
Chemical Cap	\$23,251.92	\$13,900.84	\$0	\$10,846.84

Health & Safety

There were no accidents in the month of August

Personnel have worked 2039 days (5 years 8 months) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- UV coolant electrical schematic
- Headworks wash bar function

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
Cody Williams	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