

Ebensburg Municipal Authority

July monthly report for WWTP



August 25thth, 2025

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the July 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 July, the Ebensburg wastewater plant treated 21,638,100 gallons of wastewater. This equates to an average of 698,000 gallons per day.

The centrifuge was operated weekly this month, and 14.09 tons of dry sludge was sent to the landfill.

During July, staff fabricated an internal spray bar for the screening unit to keep the brushes clean. The addition of the spray bar allows the unit to automatically flush out debris that builds up in the cleaning hood. Since the rebuild and modifications, the unit has been providing excellent removal of large solids/debris. There is a noticeable difference seen in the SBR tanks.

While operating the centrifuge this month we had to perform an emergency stop during one of the presses. The shear pins on the conveyor auger broke leaving the conveyor loaded full of solids and stuck in place. The fix took roughly 8 hours and required the use of a hydraulic press to realign the motor shaft pins.

Warm overnight temperatures have been causing #4 decanter VFD to fault. Modifications have been made to the cabinet to allow for an air filter to be installed which will allow fresh air to circulate through the electrical cabinet. We have also purchased a spare VFD that has a self-contained cooling fan as a spare.

Dodson electric has been working on several electrical concerns we have identified in the headworks building and the SBR junction box.

Duckweed has been flourishing in our process water tank, so staff has been running our surface skimmer we developed to help solve those issues.

The sewer lift stations were inspected regularly throughout the month. The brush and weeds inside/around the stations were removed. The pump runtime hours were documented, and generators were exercised. 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

Centrifuge liners

#4 Decanter VFD

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 101 work orders in the month of July
- Greased decanters on SBR tanks
- Greased screening unit
- Influent screening unit hosed and cleaned daily
- Trojan UV channel cleaning
- Centrifuge shear pin 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 for the month
- 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	\$28.61	Lawn mower fuel
Long Barn	\$96.88	Screener spray bar
Amazon	\$154.63	Screener spray bar
LB Water	\$132.39	Screener spray bar
APPLIED IND TECH	\$441.22	Centrifuge

Caps

Caps For WWTP	Contract Total per Year	Previous Balance	Total Spent this month	Remaining Balance
Maintenance Cap	\$25,950.84	\$13,092.71	\$853.73	\$12,238.98
Sludge Cap	\$83,042.76	\$32,371.58	\$9,539.02	\$22,832.56
Chemical Cap	\$23,251.92	\$13,900.84	\$3,054.00	\$10,846.84

Health & Safety

There were no accidents in the month of July

Personnel have worked 2008 days (5 years 7 months) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- Centrifuge auger schematic
- Screening unit spray bar operations

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