

# Ebensburg Municipal Authority

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## June monthly report for WWTP



July 28<sup>th</sup>, 2025

Ebensburg Borough  
300 West High Street  
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the June 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

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## Executive Summary

During the month of June, the Ebensburg wastewater plant treated 30,056,500 gallons of wastewater. This equates to an average of 1,001,900 gallons per day.

The centrifuge was operated semiweekly this month, and 11.75 tons of dry sludge was sent to the landfill.

During June, a heavy rainfall event passed through Ebensburg causing lots of flooding. The WWTP became hydraulically overloaded causing a sanitary sewer overflow event (SSO). During the event not only was the infrastructure overloaded but the outfall for the facility was 3 feet underwater. Inframark reported the incident to PA DEP and submitted the appropriate paperwork needed. This will simply be written up as a noncompliance event that was unavoidable. During the flooding the headworks dumpster was pushed into the garage door and knocked it off the track. Staff was able to make repairs to the door and get it working properly again.

Inframark along with Ram Industrial successfully rebuilt the Parkson screening unit in the headworks. We completed this work over the course of 1.5 days. Parkson quoted the repair work at \$12,800 and we were able to complete the work for \$1,750.

Centrifuge motor was pulled and sent to motor shop for repairs. New bearing have been installed along with a drive sheave and taper lock. The motor has been reinstalled and is running well.

Camco was onsite to provide pricing for MCC, busbar, and breaker evaluation. We feel given the age of the electrical equipment, it should be cleaned and serviced at some point to avoid a catastrophic event.

The sewer lift stations were inspected regularly throughout the month. The catch basket at Emerald was repaired. The pump runtime hours were documented, and generators were exercised. The wet wells were pumped down, and flanges/seals 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

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## 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 28<sup>th</sup> 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

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## Maintenance & Repair

- Inframark staff completed 76 work orders in the month of June
- Greased decanters on SBR tanks
- Greased screening unit
- Influent screening unit hosed and cleaned daily
- Trojan UV channel cleaning
- Centrifuge motor PM
- Changed oil in zero turn mower
- Weed eater repair
- Screening unit rebuild
- Process water maintenance
- Headworks bypass channel cleaning
- UV bulb replacement
- 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
- Inspect State School weir box
- Control building floors swept and mopped weekly

## Financial Update

### Maintenance Expenditures

Sheetz	\$33.78	Lawn mower fuel
Raws Lawn Mower	\$16.68	Weed eater handle
Amazon	\$24.32	Laminate sheets
Scanlan Supply	\$63.57	Lugs for Centrifuge
Grainger	\$324.20	Hoist mount for SBR's/vacuum pump rebuild
TEQUIPMENT	\$765.16	pH probe & solution
USA Bluebook	\$157.29	Stainless steel sampler
State Chem	\$827.10	restocking degreaser/lubricants/solvents

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## Caps

Caps For WWTP	Contract Total per Year	Previous Balance	Total Spent this month	Remaining Balance
Maintenance Cap	\$25,950.84	\$15,304.81	\$2,212.10	\$13,092.71
Sludge Cap	\$83,042.76	\$39,038.58	NA	\$32,371.58
Chemical Cap	\$23,251.92	\$13,900.84	\$3,054.00	\$10,846.84

## Health & Safety

There were no accidents in the month of June

Personnel have worked 1,977 days (5 years 6 months) without an accident/injury.

### Inframark Training and Presentations

- Weekly tailgate meetings
- Electrical safety

## 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