

Ebensburg Municipal Authority

April monthly report for WWTP



May 19th, 2025

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the April 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 April, the Ebensburg wastewater plant treated 26,465,100 gallons of wastewater. This equates to an average of 882,200 gallons per day.

The centrifuge was operated semiweekly this month, and 14.75 tons of dry sludge was sent to the landfill.

During April, the polymer chemical pump head cracked and was replaced. While the pump was out of service, the polymer mixer was disassembled, cleaned and rebuilt. There were several bolts stripped out and heli-coils were installed.

The UV racks were lifted and cleaned. Several of the lamp covers were scrubbed and algae was removed from between the bulbs.

Inlet filters on blowers were replaced and new Magnehelic gauges were installed on two blowers.

A leaking grease line on the centrifuge was discovered and repaired.

Staff focused on spring clean-up and a few outside repairs. Leaves and debris around the WWTP was gathered and disposed of. Large ground hog holes around clarifiers were filled and uneven areas of the lawn leveled with dirt. A 8 inch hole that housed a mixer above the wet well was filled with concrete.

On April 15th PA DEP conducted a technical assistance site inspection of the WWTP. This was triggered by the elevated ammonia and fecal results in May 2024. Inframark explained the issues were all caused by the mechanical failure of an air valve actuators. PA DEP was pleased to see that we have correct the problem and took additional steps to stock parts to prevent future failures. PA DEP commented “ The overall operating condition of the plant as well as general housekeeping around the plant and laboratory area is Outstanding.”

A credit of \$8,912.75 was applied to Ebensburg’s Waste Management account for sludge. This was due to the overcharges accumulated prior to the new contract pricing. We will use the credit towards sludge expenses in June.

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. The pumpstations and generators were monitored closely during the power outages. There were no issues or damage from the outages.

On the Radar

Screening unit repairs

Lawn repairs

SCADA programming

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.
- Form 43 sludge analysis was collected
- All samples collected during April 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 95 work orders in the month of April
- Greased decaners on SBR tanks
- Greased screening unit
- Influent screening unit hosed and cleaned daily
- Trojan UV channel cleaning
- Greased skid steer
- Spring clean-up/lawn repairs
- Cement 8-inch hole
- Replaced blower gauges
- Repaired centrifuge grease line
- Polymer pump head replacement
- Inlet filter replacement
- 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
- Control building floors swept and mopped weekly

Financial Update

Maintenance Expenditures

USA Bluebook	\$1,028.74	DO Probe
Ace Hardware	\$59.95	WD 40, Lithium grease, Black paint
The Long Barn	\$15.36	Storage hooks
Wal-Mart	\$87.67	Process water hoses
Applied	\$36.32	Blower pulley
PDBLOWERS	\$442.87	Blower filters
Teledyne	\$1,725.68	Power supply and temperature probe
Amazon	\$679.81	MCC bulbs, Alarm Battery, 4 ft Ladder, Sanitizer
LB Water	\$44.94	8 inch plug
Dwyer Instruments	\$196.95	Magnehelics for blowers
Vevor	\$218.98	Stainless chain
Tractor Supply	\$78.38	Stainless shackles

Caps

Caps For WWTP	Contract Total per Year	Previous Balance	Total Spent this month	Remaining Balance
Maintenance Cap	\$25,950.84	\$21,826.26	\$4,615.65	\$17,210.61
Sludge Cap	\$83,042.76	\$42,830.10	\$3,791.52	\$39,038.58
Chemical Cap	\$23,251.92	\$20,103.93	None	\$16,955.28

Health & Safety

There were no accidents in the month of April

Personnel have worked 1,916 days (5 years 4 months) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- Blower Room SOP review

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