

# Ebensburg Municipal Authority

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## January monthly report for WWTP



February 24<sup>th</sup>, 2025

Ebensburg Borough  
300 West High Street  
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the January 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 January, the Ebensburg wastewater plant treated 20,688,000 gallons of wastewater. This equates to an average of 667,400 gallons per day.

The centrifuge was operated weekly this month, and 13.59 tons of dry sludge was sent to the landfill.

January was an exceptionally cold month that caused a several temperature related operational challenges. The # 1 influent valve failed to meet its limit switch when opening and closing at certain times through the cold evenings. The effluent/influent auto sampler tubing froze once overnight during the week of negative temperatures. Staff was able to reset # 1 influent valve each time to resolve the problem. Additional heat tape and insulation was added to the auto sampler tubing. Staff is also planning on building insulated boxes to place over the actuators for future cold weather conditions.

A new electric unit heater was installed in the centrifuge building to replace the current one with a faulty motor.

New 4-inch piping and valves were installed on SBR #3 waste line. Sample ports were added, and a new union was installed.

Staff replaced a failing solenoid on SBR #4. The valve relieves the pressure build up when switching from mixing to aeration.

A new 6-inch valve was installed in the piping gallery to allow ease of operation for pumping solids up to the final digester.

The new Bell and Gossett circulating pump was installed on the heating system and has been working well.

Inframark has been contacted by Trojan UV system informing us there are only a limited number of parts remaining for the Trojan UV unit EMA owns. We have received a quote for parts that we would recommend EMA purchase and have been working with the borough manager on funding.

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. Snow plowing and other winter maintenance was performed at all three stations. Staff has noticed higher than normal pump runtime at the industrial park marine center pumping station. We have recommended investigating the possibility of a water leak in that area to the public works director.

## On the Radar

Screening unit repairs

UV spare parts

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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.
- Stormwater inspections

## 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 altered to optimize sludge
- Influent and Effluent samplers checked daily
- UV operational checks

## Maintenance & Repair

- Inframark staff completed 86 work orders in the month of January
- Greased decanters on SBR tanks
- Greased screening unit
- Influent screening unit hosed and cleaned daily
- Installed 4-inch piping on SBR#3
- Installed 6-inch valve on pump up line
- Installed new 4X outlet at effluent sampler
- Installed new heater in centrifuge building
- Greased skid steer
- Cleaned sludge pump access hatches
- Headworks bypass channel cleaning
- Grit removal oil level inspections
- Cleaned wet well pump floats
- Cleaned out UV basin
- 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
- Snow removal and salting walkways
- Control building floors swept and mopped weekly

## Financial Update

### Maintenance Expenditures

Meter guy	\$190.00	Annual flow meter calibration
Tractor supply	\$63.59	Salt spreader

### Caps

Caps For WWTP	Contract Total per Year	Previous Balance	Total Spent this month	Remaining Balance
Maintenance Cap	\$25,950.84	\$25,950.84	\$253.59	\$25,697.25
Sludge Cap	\$83,042.76	\$83,042.76	\$17,079.00	\$65,963.76
Chemical Cap	\$23,251.92	\$23,251.92	\$3,148.00	\$20,103.93

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## Health & Safety

There were no accidents in the month of January

Personnel have worked 1,827 days (5 years 1 month) without an accident/injury.

### Inframark Training and Presentations

- Weekly tailgate meetings
- Winter weather SOP
- Proper sampling procedures

## 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