

Ebensburg Municipal Authority

March monthly report for WWTP



April 28th, 2025

Ebensburg Borough
300 West High Street
Ebensburg, PA 15931

Dear Authority Members,

Inframark is pleased to submit the March 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 March, the Ebensburg wastewater plant treated 24,154,000 gallons of wastewater. This equates to an average of 779,161 gallons per day.

The centrifuge was operated semiweekly this month, and 6.02 tons of dry sludge was sent to the landfill.

During March, staff set up scaffolding in the basement of the WWTP to free up a stuck valve that has not been operated in years. The operation of this valve provides an alternative to the way sludge is moved along through the plant. When this valve is opened it allows sludge to be sent to our final thickener instead of back to the head of the plant. This will help reduce SBR loading over the weekends. The valve is tough to turn, and we may consider changing it out for ease of operation. These first steps were to confirm the change of operations was beneficial.

Inframark has partnered with RAM Industrial to perform a rebuild of the Parkson screener located in the headworks building. The repair will consist of replacing 4 main bearings of the unit, brushes, bearings, and driver sprocket, chain tightener, rotating split core ultra brush and shaft with paddles, main drive shaft (if worn), discharge chute, side seals, center seals, upper guide rail kit, upper center guide rail, right and left hand guide rail sets, front seal support, and lower guide rails. The project is estimated to take 3-4 days. During the repair, Influent flow will be diverted through a channel with fixed bar screens that will need cleaned frequently. We need low flows to complete this work, so we are monitoring the weather and preparing for this repair.

A new garage door was installed on the headworks building this month. The old door was deteriorated and would bind up when trying to open. The garbage haulers filed several complaints and some days they were unable to get the roll off out of the building due to the door not opening.

Staff repaired packing glands on one of centrifuge feed pumps and is working on getting a quote for the rebuild of the other pump.

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. Staff replaced the block heater on the CAT pumping stations and all three generators received semiannual inspections.

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.
- 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 optimized
- Influent and Effluent samplers checked daily
- UV operational checks

Maintenance & Repair

- Inframark staff completed 82 work orders in the month of March
- Greased decanters on SBR tanks
- Greased screening unit
- Influent screening unit hosed and cleaned daily
- Installed new garage door on headworks building
- Trojan UV channel cleaning
- Installed block heater at CAT Pumping station
- Repaired skid steer seat
- Greased skid steer
- Cleaned sludge pump access hatches
- 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
- Snow/Ice removal and salting walkways
- Control building floors swept and mopped weekly

Financial Update

Maintenance Expenditures

The Meter Guy	\$500.00	Annual meter calibration
Ace Hardware	\$45.56	Plumbing
The Long Barn	\$74.14	Hardware for UV HMI screen
Wal-Mart	\$145.52	Hose ends/cleaner/folders/binders
Applied	\$401.69	Jefferson solenoids

Caps

Caps For WWTP	Contract Total per Year	Previous Balance	Total Spent this month	Remaining Balance
Maintenance Cap	\$25,950.84	\$22,993.17	\$1,166.91	\$21,826.26
Sludge Cap	\$83,042.76	\$65,963.76	\$11,720.00	\$42,830.10
Chemical Cap	\$23,251.92	\$20,103.93	None	\$16,955.28

Health & Safety

There were no accidents in the month of March

Personnel have worked 1,886 days (5 years 3 month) without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- Winter weather SOP
- SCADA alarms review
- Parkson screener O/M

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