

# Ebensburg Municipal Authority

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March monthly report for WTP



April 25, 2022

Ebensburg Borough  
300 West High Street  
Ebensburg, PA 15931

Dear Authority Members,

Attached is the monthly report detailing the operations and maintenance of the Ebensburg Water Treatment Facility for the month of March.

Sincerely,  
Luke Byrne

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## Water Treatment Plant Summary

The water treatment plant facility operated continuously for the month of March

### Items Requiring Approval

None

### Operations

- Plant operated 744 hours.
- Water treatment plant produced 31,118,000 gallons of water
- Sattlick pump station supplemented 2,192,655 gallons of water
- All routine monthly compliance samples were collected
- All monthly state reports were submitted

### Work Orders

Inframark staff completed 45 work orders for the month of March

### Maintenance & Repair

Inframark staff completed the following tasks in the month of March

- Calibrated all online compliance analyzers
- Calibrated all lab instruments weekly
- Adjusted the flows and chemical feed rates according to system demand
- Performed comparative grab samples for chlorine analyzers
- Verified online turbidity measurements against the bench top analyzer weekly
- Updated SCADA and all instrumentation for daylight savings time
- Backwash tank inspection
- Removed debris from lower reservoir spillway
- Collected garbage around the facility
- Sump pumps exercised
- Chlorine room alarm test
- Greased finished water pumps/motors
- Alternated finished water pumps weekly
- Jar testing to optimize chemical usage
- Cleaned pH and turbidity meters weekly
- Monitored filter beds for deficiencies
- Cleaned facility

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## Financial Update

### Maintenance Expenditures

Vendor	Expense	Description
USA Blue Book	\$574.69	Chemical pump rebuilt kits
Ace Hardware	\$80.69	Plumbing
NAPA	\$62.90	Lubricants
The Long Barn	\$185.39	Plumbing/Louvers
Scanlan Electric	\$229.35	Lighting
Heritage Environmental	\$665.00	Hydro 250 probe

### Caps

Caps For WTP	Contract Total per Year	Previous Balance	Total Spent This Month	Remaining Balance
Maintenance Cap	\$26,010.00	\$25,166.11	\$1,798.02	\$23,368.09

## Health & Safety

There were no accidents in the month of March. Personnel have worked 790 days without an accident/injury.

### Inframark Training and Presentations

- Weekly tailgate meetings
- COVID-19 news and updates
- Personal Protective Equipment
- Hazard communication and GHS

## Noteworthy Events

- On March 3<sup>rd</sup> staff replaced a failing chemical feed pump used for pH adjustment.
- On March 10<sup>th</sup> a water leak on the low system caused a high demand in the distribution system. Plant production was increased to 1.14 MGD and saltlick supplemented additional water.
- On March 16<sup>th</sup> Pennsylvania department of labor and industry inspected one of the WTP boilers. The boiler passed the inspection.

- On March 17<sup>th</sup> staff completed our first quarter filter bed evaluation on filter #2. The filter was found to be in excellent condition meeting all design specs.
- On March 21<sup>st</sup> Inframark assisted the borough crew with a water leak repair on Lovell Avenue. The Ogden pump station was operated in order maintain flows to customers in the township during the repair.
- On March 24<sup>th</sup> the AWOP award was presented to EMA at the Pennsylvania Rural Water Association (PRWA) Annual Conference in State College, PA. I was honored to accept the award on behalf of EMA. I would like to thank everyone for allowing us to operate the Ebensburg WTP facility. Inframark is focused on providing an extremely high level of service to Ebensburg and winning this award truly validates our efforts. We look forward to the continued success with Ebensburg for years to come.

## Personnel

Name	Title	Wastewater Operator Certifications
Luke Byrne	Water Plant Manager	PA Class A, E, Water Subclass 1,7,8,10,11
Kyle Smiley	Operator	PA Class A, E, Subclass 1
Ryan Lanzendorfer	Operator in Training	

March 2022 lab results are available upon request.

Luke Byrne,  
Plant Manager



# Ebensburg PA Municipal Authority

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## March 2022 Management, Operations & Maintenance Report

April 25, 2022

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## Summary

During March, Inframark continued to work toward safe and compliant operations. The Ebersburg Wastewater Treatment Plant treated 32.939 million gallons in the month of March.

## Critical Issues

## Projects

Project	Status	Priority Level	Approval	Est. Complete Date



## Operations

### NPDES Permit Compliance

1. Please review the following tables that summarize NPDES reporting criteria for March 2022
2. There were no permit violations for the month March 2022

<b>Influent Parameter</b>	<b>Average</b>	<b>Min</b>	<b>Max</b>	<b>Limit</b>	<b>Excursion</b>
Influent Flow (MGD)	1.062	.8100	1.529	NA	NO
BOD5 (mg/L)	169.0	158.0	182.0	NA	NO
BOD5 Load (Lbs.)	1.465	1.151	1.701	NA	NO
TSS (mg/L)	180.0	84.0	572.0	NA	NO
TSS Load (Lbs.)	1.631	593.0	5,435	NA	NO

<b>Effluent Parameter</b>	<b>Average</b>	<b>Min</b>	<b>Max</b>	<b>Limit/IMax</b>	<b>Excursion</b>
CBOD5 (mg/L)	2.0	1.8	2.2	37.5 / 50	NO
CBOD5 Wkly Avg (mg/L)	2.0	1.9	2.2	37.5	NO
CBOD5 Load (bs)	18.0	13.0	21.0	417 / 626	NO
CBOD5 Load Wkly Avg (Lbs)	18.0	14.0	21.0	417	NO
TSS (mg/L)	1.3	0.8	2.4	45 / 60	NO
TSS Wkly Avg (mg/L)	1.3	1.0	1.8	45	NO
TSS Load (Lbs)	11.0	6.0	18.0	501	NO
TSS Load Wkly Avg (Lbs)	12.0	8.0	15.0	751	NO
Eff pH (SU)	7.25	7.10	7.38	6 / 9	NO
Eff DO (mg/L)	11.28	10.60	11.79	Min 6	NO
Fecal (CFU/100 mL)				10,000	NO
Fecal (CFU/100 mL) GE MEAN				2000	NO

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## Maintenance & Repair

### Preventive

- Made daily equipment checks and plant rounds several times a shift
- Plant safety inspection complete for the month
- Work orders complete for the month
- Ran centrifuge weekly
- Greased SBR decanters
- Swept and mopped control building floors weekly

## Work Order Statistics 03/01/2022 To 03/31/2022

\*\*The number closed in this time whether they were due in this time or some other time period.

Number of Preventative WO's that were due	183
Number of Corrective WO's that were due	0
Number of Skipped WO's that were due	0
Total Number of WO's that were due	183
Number of Preventative WO's that were closed**	183
Number of Corrective WO's that were closed**	0
Total Number of WO's that were closed**	183
Number of Preventative WO's still open	0
Number of Corrective WO's still open	0
Total Number of WO's still open	0

## Performance Metrics

Performance Metrics	Month of March	Month of March	Revenue from Hauled-In Waste thru March 2022
Wastewater treated, average MG	1.625 MG	Total MG. Month 32.939 Max. MG Day 1.529	
Septage / Sludge received, gallons			None
Sludge Hauled to Landfill	Tons to landfill	11.61 Tons	



## Health & Safety

- 1) Through the end of March, Inframark Ebensburg employees have worked 6,267 days without a lost time injury or recordable.
- 2) Held daily tailgate meetings with staff.

## Personnel

<b>Name</b>	<b>Title</b>	<b>Wastewater Operator Certifications</b>
Jerry Shupe Jr.	Vice President, Mid-Atlantic Region	
Mike Montgomery	Plant Manager	PA Class A, E Subclass 1,2,3,4
Sharon Burkett	Lab Manger	PA Class A, E Subclass 1,2,3,4,5
Randy Lauer	Operator	PA Class A, E Subclass 1,2,3,4
Ryan Lanzendorfer	Operator in Training	None
Kyle Smiley	Operator in Training	None

## Appendix

March's 2022 Discharge Monitoring Report is available upon request.

Michael J. Montgomery  
Plant Manager

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