

Ebensburg PA Municipal Authority

May 2022 Management, Operations & Maintenance Report

June 27, 2022



Summary

During May, Inframark continued to work toward safe and compliant operations. The Ebensburg Wastewater Treatment Plant treated 32.391 million gallons in the month of May.

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 May 2022
2. There were no permit violations for the month May 2022

Influent Parameter	Average	Min	Max	Limit	Excursion
Influent Flow (MGD)	1.044	.596	3.772	NA	NO
BOD5 (mg/L)	160.0	150.0	174.0	NA	NO
BOD5 Load (Lbs.)	1,177	862.0	1,720	NA	NO
TSS (mg/L)	105.0	40.0	296.0	NA	NO
TSS Load (Lbs.)	756.0	273.0	1,697	NA	NO

Effluent Parameter	Average	Min	Max	Limit/IMax	Excursion
CBOD5 (mg/L)	2.0	1.9	2.2	37.5 / 50	NO
CBOD5 Wkly Avg (mg/L)	2.0	2.0	2.1	37.5	NO
CBOD5 Load (bs)	15.0	10.0	24.0	417 / 626	NO
CBOD5 Load Wkly Avg (Lbs)	16.0	10.0	20.0	417	NO
TSS (mg/L)	1.2	0.6	1.6	45 / 60	NO
TSS Wkly Avg (mg/L)	1.2	1.0	1.4	45	NO
TSS Load (Lbs)	9.0	5.0	17.0	501	NO
TSS Load Wkly Avg (Lbs)	9.0	5.0	12.0	751	NO
Eff pH (SU)	7.07	6.97	7.16	6 / 9	NO
Eff DO (mg/L)	9.28	8.90	10.10	Min 6	NO
Fecal (CFU/100 mL)	72.0	24.0	163.0	10,000	NO
Fecal (CFU/100 mL) GE MEAN				2000	NO

Maintenance & Repair

Preventive

- Made daily equipment checks and plant rounds several times a shift
- Plant safety inspection complete for the month
- Ran centrifuge weekly
- Cut grass and weed eat around plant
- Swept and mopped control building floors weekly
- Replaced hot water tank

Work Order Statistics 05/01/2022 To 05/31/2022

**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	201
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	201
Number of Preventative WO's that were closed**	201
Number of Corrective WO's that were closed**	1
Total Number of WO's that were closed**	201
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 May	Month of May	Revenue from Hauled-In Waste thru May 2022
Wastewater treated, average MG	1.044 MG	Total MG. Month 32.391 Max. MG Day 3.772	
Septage / Sludge received, gallons			None
Sludge Hauled to Landfill	Tons to landfill	15.071 Tons	

Financial Update

Caps	Monthly Cap	May 2022	Contract Year to Date	Remaining Balance
Maintenance Cap	\$1,914.47	\$811.92	\$5,365.83	\$17,607.79
Sludge Cap	\$6,317.77	\$3,971.16	\$13,470.65	\$62,342.56

Maintenance Expenditures

Vendor	Expense	Description
Ace Hardware	\$59.33	Clog buster, Drain snake
Ace Hardware	\$301.49	Hedge trimmer, Weed and grass killer, oil for weed eater, Teflon tape
Ace Hardware	\$51.48	Push broom, Floor cleaner, Clog buster
Ace Hardware	\$29.67	Round up weed killer
EXXONMOBIL	\$20.15	Gas for mower, weed eater
Laurel medical solutions	\$13.00	Surgical gloves
Sheetz	\$31.10	Gas for mower
Ace Hardware	\$78.39	Extension cord, weed eater line, hose repair fittings
Ace Hardware	\$4.20	3/4" copper fitting
Ace Hardware	\$151.27	Propane cylinder, plumbers' cloth, fittings, solder, to replace hot water tank in basement
Ace Hardware	\$48.74	Weed and Grass killer
Sheetz	\$23.10	Gas for mower
Total May 2022	\$811.92	

Health & Safety

- 1) Through the end of May, Inframark Ebensburg employees have worked 6,329 days without a lost time injury or recordable.
- 2) Held daily tailgate meetings with staff.

Personnel

Name	Title	Wastewater Operator Certifications
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

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

Michael J. Montgomery
Plant Manager

Ebensburg Municipal Authority

May monthly report for WTP



June 27, 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 May.

Sincerely,
Luke Byrne

Water Treatment Plant Summary

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

Items Requiring Approval

None

Operations

- Plant operated 744 hours.
- Water treatment plant produced 31,426,000 gallons of water
- Saltlick pump station supplemented 2,796,456 gallons of water
- All routine monthly compliance samples were collected
- All monthly state reports were submitted

Work Orders

Inframark staff completed 53 work orders for the month of May

Maintenance & Repair

Inframark staff completed the following tasks in the month of May

- 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
- Lubricated blower motor
- Ladder inspection
- Replaced push block tubing on CL17 chlorine analyzer
- Greased DAF recycle pump
- Adjusted tensioners on the DAF weir
- Installed new sump pump in raw water meter vault
- Sump pumps exercised
- Installed LED lighting in clarifier room
- 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

Financial Update

Maintenance Expenditures

Vendor	Expense	Description
Hach	\$677.07	Raw water valve seal kit installation
The Meter Guy LLC	\$550.00	Plumbing supplies for raw water valve

Caps

Caps For WTP	Contract Total per Year	Previous Balance	Total Spent This Month	Remaining Balance
Maintenance Cap	\$26,010.00	\$22,179.67	\$1,227.07	\$20,952.60

Health & Safety

There were no accidents in the month of May. Personnel have worked 851 days without an accident/injury.

Inframark Training and Presentations

- Weekly tailgate meetings
- COVID-19 news and updates
- Personal Protective Equipment
- Tool safety
- DEP hold study SOP

Noteworthy Events

- On May 3rd second quarter disinfection by-product samples were collected. Sample site 701 airport exceeded the maximum contaminant level (MCL). A public notice was issued via swift reach and all appropriate paperwork was filed with PA DEP.
- On May 11th staff discovered the raw water meter vault was filling with water due to sump pump failure. The vault was pumped out and a new sump pump was installed.
- On May 13th the hillcrest tank washout/inspection project was completed, and the south tank was placed back online.
- On May 15th Inframark increased water production at the WTP and began supplying Nanty Glo with 300GPM.
- On May 17th Mr. Dwayne Lowry, Inframark's senior technical manager, visited Ebsenburg to develop recommendations to resolve the reoccurring

disinfection by-product violation. A meeting with Mrs. Cook and Stiffler McGraw has been scheduled for June 23rd to discuss Inframark's recommendations.

- On May 19th the water treatment plant flow meters were calibrated. This annual requirement ensures the accuracy of the plant influent and effluent flows.
- On May 27th Nanty Glo closed the interconnect and stopped purchasing water. Flows and chemicals were adjusted throughout the day to return the plant to normal operating conditions.

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	

May 2022 lab results are available upon request.

Luke Byrne,
Plant Manager