

November 22, 2022

Ebensburg Borough  
300 West High Street  
Ebensburg, PA 15931

Dear Authority Members,  
Inframark is pleased to submit the October 2022 monthly report detailing the operations and maintenance of the Ebensburg water treatment facility.

Thank you for the opportunity to provide Operations and Maintenance Services to the city 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 October, the Ebensburg water treatment plant treated 29,433,000 gallons of reservoir water. This equates to an average of 949,452 gallons per day. The table found in plant performance of this packet showcases past month's historical average flows. It should be noted Ebensburg was supplying water to Nanty Glo during several weeks of this month.

An average of 124,066 gallons per day was purchased from Saltlick and blended into Ebensburg's distributions system. This number is higher than usual due to Nanty Glo purchasing water at the end of the month.

On October 4<sup>th</sup> 2022, Inframark collected fourth quarter disinfection by-product samples. Results from these samples were found to be above the MCL. Inframark prepared all documents required for this exceedance and a public notice was issued November 9<sup>th</sup>, 2022. Additional disinfection by-product samples were collected again October 27<sup>th</sup> 2022 while Nanty Glo was purchasing water. Results from these samples showcase disinfection by-products were significantly lowered when additional water is moved through the Ogden tank site.

A new water line was installed into the water treatment facility. Inframark made this recommendation back in 2020 when it was discovered the plant could possibly be considered Ebensburg's first customer. Inframark is working on the interior plumbing connections.

On October 25, 2022, representatives from the Department of Environmental Protection (DEP) Bureau of Safe Drinking Water conducted a site visit at the Ebensburg WTP to collect a sample to be analyzed for the cyanotoxins in the raw source water. There was a low detection in the raw water source. There is no alarm as this is only a raw water sample. Additionally, the results did not exceed the current Health Advisory Level for Total microcystins in finished water (0.3 micrograms/Liter). The state will be taking November samples at systems that had detects in the raw water in October.

The elevated tank at Hillcrest has been drained and work should be coming to an end. Inframark will be coordinating with Ebensburg's public works director to assist getting the tank back online and returned to normal operation.

## On the Radar

Service clarifiers

Plumbing changes needed for new waterline

Install pressure gauges on the air scour line

---

## Operations

### Compliance:

- What is the monthly compliance reporting? We send about 10 pages of data that have been collected by our operators and SCADA system. These reports consist of over 20,000 points of data that are compiled into a report and sent to the state every month called the "Monthly Operating Report" (MOR). This report is a representation of how well the plant is operating during the prior month.
- October monthly compliance reporting was collected and submitted to PA DEP.
- Every month we are required by state regulations to collect and analyze a minimum of nine bacteriological samples per a state approved sampling site plan. In October, we collected nine samples. Of the nine samples zero were found to be total coliform positive. Every month we are also required to monitor chlorine levels in the distribution system. A minimum of one sample per week is required and the sample must be equal to or greater than 0.20mg/L free chlorine. Four samples were collected in October and all four samples were at or above the minimum requirement.
- Disinfection by-product samples were collected October 4th, 2022. Sample site 701 results for Haloacetic acids (HAA5) were above the MCL. Inframark notified PA DEP and completed a Tier II public notice that was issued November 9th, 2022.
- Calibrated online and lab instrumentation to conform to PA DEP requirements.
- Collected and documented comparative grab samples to ensure accuracy of continuous chlorine analyzers.
- Collected and documented comparative grab samples to ensure accuracy of continuous turbidimeters and pH analyzers.
- Monitor water quality in clear well

## Plant Operations

- Plant production has fluctuated through the month ranging from 700,000-1,350,000 gallons/day
- Nanty Glo has been purchasing between 360,000-576,000 gallons/day
- Daily one filter is taken offline, washed, and placed back into service when clean
- Conduct process control analysis
- Backwash flow rates are being monitored daily
- Filter media is being observed daily for irregularities
- Clarifiers are continuously monitored for sludge content and settling capability
- Flows and chemical feed rates are adjusted daily to meet system demands
- DAF scrapper adjustments
- DAF air saturation setpoint adjustments
- Monitor clarifier flow setpoints

- Online instrument flow is verified multiple times daily
- Downstream flow is monitored daily and adjusted as needed

Past month's historical average flows

<b>Date</b>	<b>Average gallons filtered per day</b>	<b>Total gallons filtered per month</b>
January, 2022	856,032	26,537,000
February, 2022	964,679	27,011,000
March, 2022	1,003,806	31,118,000
April, 2022	960,800	28,824,000
May, 2022	1,013,742	31,426,000
June, 2022	786,433	23,593,000
July, 2022	760,323	23,570,000
August, 2022	775,935	24,054,000
September, 2022	1,047,267	31,418,000
October, 2022	949,452	29,433,000

## Maintenance & Repair

Inframark staff completed 87 work orders in the month of October

- Lubricated blower motor
- Ladder inspections
- Greased DAF recycle pump
- Greased DAF scrapper
- Fire extinguisher inspection
- SCBA inspections
- Sump pumps exercised
- Eye wash/safety shower inspections
- Grease clarifier drives
- Chlorine room alarm test
- Remove lagoon vault sludge
- Greased finished water pumps/motors
- Alternated finished water pumps weekly
- Cleaned pH and turbidity meters weekly
- Jar testing to optimize chemical usage
- Monitored filter beds for deficiencies
- Installed new photo eye on exterior light
- Cleared clogged DAF line
- Replaced fluorescent light bulbs in pipe gallery
- Replaced ASCO solenoid on raw water valve
- Cleaned lagoon screens
- Cleaned facility

---

## Financial Update

### Maintenance Expenditures

Vendor	Expense	Description
Scanlan Electric	\$117.47	4-foot fluorescent lights/photo eye
Ace Hardware	\$424.16	Pressure reducer/back flow preventer/fittings

### Caps

Caps For WTP	Contract Total per Year	Previous Balance	Total Spent This Month	Remaining Balance
Maintenance Cap	\$26,010.00	\$13,171.63	\$541.63	\$13,713.26

## Health & Safety

There were no accidents in the month of October. Personnel have worked 1,004 days (2 years 9 months) without an accident/injury.

### Inframark Training and Presentations

- Weekly tailgate meetings
- COVID-19 news and updates
- Personal Protective Equipment
- Public notification SOP review

## 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

# Ebensburg Municipal Authority

---

## October monthly report for Ebensburg WWTP



November 21, 2022

Ebensburg Borough  
300 West High Street  
Ebensburg, PA 15931

Dear Authority Members,  
Inframark is pleased to submit the October 2022 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,  
Michael Montgomery

---

## Executive Summary

During the month of October, the Ebensburg wastewater treatment plant treated 21.179 million gallons of clean water to Howells Run. This equates to a daily average of .683 million gallons for the month of October. All testing and operational requirements were met for the month of October. Centrifuge operation was run two times a week for the month of October and 9.075 tons of sludge was sent to the landfill.

## On the Radar

Borough Engineer is looking into getting a new 20" influent valve installed at the facility, for SBR tank #2

## Operations

### Compliance:

- Mon, Wed, Fri SBR tank testing is done for process control purposes
- Tues, Thurs influent and effluent compliant testing is done for reporting to DEP
- All data is entered into the computer daily for monthly reporting.
- Monthly reports are sent to DEP electronically by the 28<sup>th</sup> of each month

## Plant Operations

- Made plant rounds and equipment checks daily several times a shift
- Ran centrifuge two times a week for the month
- Influent screening unit hosed and cleaned daily
- Work orders complete for the month





<b>Caps For WWTP</b>	<b>Contract Total per Year</b>	<b>October 2022</b>	<b>Contract year to date</b>	<b>Remaining Balance</b>
Maintenance Cap	\$23,895.24	\$\$1,311.26	\$21,825.98	\$2,069.26
Sludge	\$78,854.40	\$13,508.89	\$48,918.02	\$29,936.38

## Health & Safetyo0

There were no accidents in the month of October. Personnel have worked 6480 Days (17 years 7 months) without an accident/injury.

### Inframark Training and Presentations

- Weekly tailgate meetings
- COVID-19 news and updates
- Personal Protective Equipment
- Cyber security updates

## Personnel

<b>Name</b>	<b>Title</b>	<b>Wastewater Operator Certifications</b>
Michael Montgomery	Plant Manager	PA Class A, E, Wastewater Subclass 1,2,3,4
Sharon Burkett	Lab Supervisor	PA Class A, E, Wastewater Subclass 1,2,3,4,5
Kyle Smiley	Operator	PA Class A, E, Water Subclass 1
Ryan Lanzendorfer	Operator in Training	