



December 4, 2020

**Via Electronic Mail Delivery**

Mr. Darrin Gordon  
General Manager  
Lewes Board of Public Works  
107 Franklin Avenue  
Lewes, DE 19958

**Subject: October 2020 Monthly Report to BPW**

Dear Mr. Gordon:

White Marsh Environmental Systems, Inc. (WMES) is pleased to submit the October 2020 monthly report. The report contains a summary of the operations and maintenance activities at the BPW lift stations and wastewater treatment plant by WMES for the month of October, 2020.

If you have any questions, please feel free to contact me at [pperis@middlesexwater.com](mailto:pperis@middlesexwater.com).

Sincerely,

*Paul S. Peris*

Paul S. Peris  
Director of Production and Maintenance  
White Marsh Environmental Systems, Inc.

October 2020

I. Effluent Quality and Compliance

The data below confirms that the effluent meets all permit requirements.

Sample Data	Total Nitrogen	Total Phosphorus	BOD	TSS	Enterococcus
Average:	2.69 mg/L	.4 mg/L	<2.40 mg/L	.75 mg/L	<1.0 Col.
Maximum:	2.69 mg/L	.4 mg/L	<2.40 mg/L	1.00 mg/L	<1.0 Col.
Permit Limit:	8 mg/L average	2 mg/L average	15 mg/L average	15 mg/L average	10 Col. average
Maximum Permit Limit	N/A	N/A	23 mg/L MAX	23 mg/L MAX	104 Col. MAX

- Maximum daily flow – 1.46 MGD
- Monthly average flow – .966 MGD

II. Activities – October 2020

Lift Stations Activities

- All Lift Stations monitored daily with Point Watch system.
- WMES personnel conducted bi-monthly lift station inspections. No deficiencies noted.
- 10/23/20 – Freemire replaced pumps 1&2 at lift station 29.

## **Plant Activities**

- Kuhn Construction on-site constructing sludge drying beds for Lewes BPW.
- 10/6/20 – Performed recovery clean on train #4. No deficiencies noted.
- 10/7/20 – Darrin Gordon onsite to escort incoming operations group Inframark for a site visit.
- 10/12/20 – Breakwater Construction installed four 6” replacement isolation valves on the membrane air headers.
- 10/13/20 - WMES staff replaced belts on EQ pumps 1&3.
- 10/19/20 – Incoming operations group Inframark onsite to begin 2 week transition and turnover of plant operations from WMES.
- 10/20/20 – Power-Trans onsite to replace grit auger.
- 10/22/20 – Removed dry sludge from beds 1-6.
- 10/31/20 – WMES end of operations contract. Inframark has assumed operational control.

## **SAFETY INFORMATION**

- No work place injuries reported. Days without workplace injury: 314
- Performed monthly PPE inspection. No deficiencies noted.
- Performed monthly eyewash station and fire extinguisher inspections. No deficiencies noted.

## **Additional Information**

- Due the connectivity issues with Zoom, the Lewes BPW board meeting for October was cancelled.
- As requested by BPW, WMES is using USA Bluebook brand Formula 52 odor control product in the digester, drying beds and headworks daily.

## **Open Items**

No open items at this time.

**The following reports are maintained at the Howard H. Seymour Water Reclamation Facility and under the control of the current plant operator. Therefore, the listed reports are not included with this monthly report.**

- October 2020 Influent and Effluent Report
- October 2020 TMP chart for Kubota Digester Membranes
- October 2020 Sussex County pumpage numbers to Lift Station #4
- October 2020 Nutrient Offset Report

## **Attachments Supplied by WMES**

- October 2020 Influent Flow vs. Rainfall Chart
- October 2020 Suez Bi-Monthly Reports
- October 2020 MLSS Chart
- October 2020 E-DMR
- 2020 Compliance Data Charts