

WHITE MARSH
ENVIRONMENTAL SYSTEMS, INC.

A Middlesex Water Company Affiliate

November 14, 2017

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

Subject: Monthly Report, October 2017

Attached is a summary of the Operations and Maintenance activities at the Board's lift stations and wastewater treatment plant for the month of October 2017. Please direct any questions to my attention. Thank you.

Sincerely,



Mike Evans
District Manager
Midwater Utilities, Inc.

October 2017

I. Effluent Quality and Compliance

- Discharge Monitoring Report submitted to DNREC with 100% compliance for the month.

October 2017 Effluent Testing

Sample Data	Total Nitrogen	Total Phosphorus	BOD	TSS	Enterococci
Average:	2.15 mg/L	0.74 mg/L	<2.40 mg/L	<0.50 mg/L	<10 Col.
Maximum:	N/A	N/A	<2.40 mg/L	<0.50 mg/L	10 Col.
Permit Limit:	8 mg /L average	2 mg /L average	15 mg/L average 23 mg/L MAX	15 mg/L average 23 mg/L MAX	10 Col average

Maximum daily flow 0.7498 MGD
 Monthly average flow 0.6112 MGD

II. Activities

STATION MAINTENANCE PERFORMED

- Station #4 (Gills Neck Rd. and Savannah Rd.) required operators to manually remove rags on two separate occasions.
- Station #19 (Pilot Town Village) called out with a high-level alarm. Operator on call inspected the station and observed a thick grease blanket constraining the floats. The Grease was broken apart.
- A replacement mag meter installation at Lift Station #8 was attempted. The project was halted due to faulty isolation valves. The valves will need to be repaired, replaced first. We appreciate that BPW will excavate the valves to inspect and repair or replace.

MAINTENANCE PERFORMED

- Replaced two bulbs on the U.V. unit.
- Replaced tubing on all turbidimeters.
- A new motor was installed on process blower E.
- Replaced a broken fitting on the digester recycle pump.

SAFETY INFORMATION

- No work place injuries.
- PPE inspected.
- Eyewash and fire extinguisher inspections conducted.