

October 12, 2017

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

**Subject: Monthly Report, September 2017**

Dear Darrin:

Summer is over and it's time to begin planning the logistics to some projects that are on our list. These include; Replacing Air diffusers in the bioreactor, and the Zeeweed membrane clean and repairs.

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

Sincerely,

Mike Evans  
District Manager  
TideWater Utilities, Inc.

## I. Effluent Quality and Compliance

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

September 2017 Effluent Testing

Sample Data	Total Nitrogen	Total Phosphorus	BOD	TSS	Escherichia Coli
Average:	2.19 mg/L	1.29 mg/L	<2.40 mg/L	<0.50 mg/L	<2.115 Col.
Maximum:	N/A	N/A	<2.40 mg/L	<0.50 mg/L	10.0 Col.
Permit Limit:	8 mg /L average	2 mg /L average	15 mg/L average	15 mg/L average	10 Col. average
			23 mg/L MAX	23 mg/L MAX	

Maximum daily flow 0.8344 MGD  
 Monthly average flow 0.6974 MGD

## II. Activities

### STATION MAINTENANCE PERFORMED

- Station 4 (Gills Neck Rd. and Savannah Rd.) required operators and Tidewater maintenance to manually remove rags from pump #1's grinder apparatus on four separate occasions. Request for a replacement grinder plate underway.
- New Alarms wired in to call out box for station #4 to alert operators of clogged pumps to reduce pump wear.
- Verizon repaired station #4's phone line.
- Stations 4, 11, 14, and 19 were cleaned out with the BPW vac truck, removing grease and grit.
- Station #8 (American Legion Rd.) generator inspection completed.
- Operator and Tidewater maintenance replace a bad seal at station # 8 pump # 1.
- Station # 8 mag meter needs to be replaced. Order for replacement mag meter under way.

### MAINTENANCE PERFORMED

- Maintenance in to remove and replace the two bad filtrate pumps for the drying beds system.
- Ordered a new motor for process blower E.
- Power washed and inspected the 2mm. fine band screen in Headworks.

SAFETY INFORMATION

No work place injuries.

PPE inspected.

Eyewash and fire extinguisher inspections conducted.

COMMENTS

- 79.22 wet tons of biosolids hauled out.
- Plant tour with Tidewater and a meet and greet with the BPW officials and the town mayor.

PRELIMINARY BOARD DOCUMENT