

March 9, 2018

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

**Subject: Monthly Report, February 2018**

Attached is a summary of the Operations and Maintenance activities at the Board's lift stations and wastewater treatment plant for the month of February. 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.

February 2018 Effluent Testing

Sample Data	Total Nitrogen	Total Phosphorus	BOD	TSS	Enterococcus
Average:	4.68 mg/L	0.43 mg/L	<2.40 mg/L	<0.50 mg/L	2.0 Col.
Maximum:	N/A	N/A	<2.40 mg/L	<0.50 mg/L	2.0 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 0.7655 MGD  
Monthly average flow 0.6519 MGD

## II. Activities

### STATION MAINTENANCE PERFORMED

- All Lift Stations inspected by two Tidewater maintenance employees
- There were identified concerns over the condition of the stations. A follow up recommendation is being prepared by the Tidewater Maintenance Department.

### MAINTENANCE PERFORMED

- Prepare train 4 membrane tank to be cleaned out.
- Train 4 membranes removed and washed down. Heavy sludge build up on all three cassettes
- A-1 Sludge Haulers on site to remove solids from train 4 in addition to Tidewater Operators and Maintenance employees.
- Effluent Outfall Pipe cut to allow a plug to be inserted for future maintenance
- Station #4 pumps ran dry for unknown reason, primed by Ron Griffith
- Digester recycle pipe clogged. Sludge diluted, line flushed out.
- Lewis Fire Dept. called to assess the atmosphere in headworks building. DNREC's HAZMAT was called. 0.08 VOC found in building due to an unknown odor detected by operators.
- Crane inspection completed
- Digester Blower "A" disassembled and motor removed. To be sent to Hill's

**SAFETY INFORMATION**

No work place injuries.

PPE inspected.

Eyewash and fire extinguisher inspections conducted.

**ADDITIONAL INFORMATION**

The wastewater treatment facility operated efficiently and is in compliance for the month of February.

PRELIMINARY BOARD DOCUMENT