

May 10, 2018

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

**Subject: Monthly Report, May 2018**

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

May 2018 Effluent Testing

Sample Data	Total Nitrogen	Total Phosphorus	BOD	TSS	Enterococcus
Average:	2.40 mg/L	0.93 mg/L	<2.40 mg/L	<0.50 mg/L	<1.5 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 0.8460 MGD  
 Monthly average flow 0.6802 MGD

II. Activities

STATION MAINTENANCE PERFORMED

- Pump 1 had to be re-primed at station 4, at Gills Neck Road.
- Tidewater continuing work on lift stations 33 and 5.

MAINTENANCE PERFORMED

- Train #3 permeate pump installed the old #3 permeate pump and motor drive sent out to Hill's Electric.
- The worn-out street brush was sent out to Iron Source.
- Trojan U.V. parts arrived.
- DNREC's Chris Cleaver in to conduct the annual effluent compliance split sample.
- Sherman Heating and Cooling to replace the office unit.
- A scheduled power outage was initiated between 23:00 and 04:00 for repairs to be made at the transfer station. The Lewes staff were on site to reset E.Q. pump #3, bioreactor mixers, return activated sludge pumps, and the headworks macerator. Also, at the station #8 generator did not transfer power automatically and was started up manually.
- 45.05 tons of biosolids were hauled to PA.
- Tidewater worked on plant generator fuel tank alarm. Possible bad controller. Looking into tank refurbishment.

**SAFETY INFORMATION**

No work place injuries.

PPE inspected.

Eyewash and fire extinguisher inspections conducted.

\*\*Caustic lines in chemical building, process building and in the retaining area of process building have deteriorated.


Crystallization is occurring causing a safety hazard. Leaking Caustic is seeping through the retaining wall in the process building as well.

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**LEWES WHITE**  
**NUTRIENT OFFSET REPORT**

MONTH	Days	Average Monthly Flow MGD	Monthly Average TN mg/L	Total Monthly TN Discharged Lbs.	TN Based 11.8 lbs Manure Offset Required Lbs.	Poultry Manure Relocated Tons	Poultry Manure Relocated Lbs.	Poultry Manure Offset Balance Lbs.	Monthly Average TP mg/L	Total Monthly TP Discharged Lbs.	TP Based 11.8 lbs Manure Offset Required Lbs.
Carry Over								130,493.68			
January	31	0.5796	7.81	11,033	13809.86			116,683.82	0.36	53.95	636.56
February	28	0.6519	4.68	12,44	8406.84			108,276.98	0.43	65.46	772.42
March	31	0.7362	4.73	900.29	10623.48			97,653.50	0.25	47.58	561.49
April	30	0.6802	2.40	408.2	4819.67			92,833.84	0.93	158.27	1867.62
May	31			0.00	0.00			92,833.84		0.00	0.00
June	30			0.00	0.00			92,833.84		0.00	0.00
July	31			0.00	0.00			92,833.84		0.00	0.00
August	31			0.00	0.00			92,833.84		0.00	0.00
September	30			0.00	0.00			92,833.84		0.00	0.00
October	31			0.00	0.00			92,833.84		0.00	0.00
November	30			0.00	0.00			92,833.84		0.00	0.00
December	31			0.00	0.00			92,833.84		0.00	0.00
Year Balance								92,833.84			

Comments:

  
 Authorized Signatory  
 DATE 5/15/18

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different):

NAME: City of Lewes - Board of Public Works LBPW  
 ADDRESS: 116 American Legion Road, Lewes, DE 19958 US  
 FACILITY: Howard Seymour Water Reclamation Plant

DE0021512  
 PERMIT NUMBER  
 MONITORING PERIOD

DISCHARGE MONITORING REPORT (DMR)  
 DISCHARGE NUMBER: 001  
 REPORT DESIGNATOR: A  
 DATA ENTRY COMPLETE: 5/15/2018  
 REPORT SUBMITTED BY: gloria.letchick@siscvics.com

LOCATION: 116 American Legion Road, Lewes, DE 19958 US  
 FROM: 2018 04 01 TO: 2018 04 30 STATUS OF SUBMISSION: Submitted for Signature

#	PARAMETER	NO.	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
			AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM				
1/1	Flow	SAMPLE MEASUREMENT	0.0002	0.846					0	99/99	Recorder	
	Gross Effluent (50050)	PERMIT REQUIREMENT	No Monitoring Required	No Limit	No Monitoring Required	No Monitoring Required	No Monitoring Required			99/99	Recorder	
1/2	Dissolved oxygen (DO)	SAMPLE MEASUREMENT			6			8.3	0	99/99	Measured	
	Gross Effluent (00300)	PERMIT REQUIREMENT	No Monitoring Required	No Monitoring Required	No Limit	No Monitoring Required	No Limit			99/99	Measured	
1/3	pH	SAMPLE MEASUREMENT			7.3			7.7	0	01/01	Grab	
	Gross Effluent (00400)	PERMIT REQUIREMENT	No Monitoring Required	No Monitoring Required	6	No Monitoring Required	No Monitoring Required			01/01	Grab	
1/4	Enterococcus	SAMPLE MEASUREMENT							0	01/07	Grab	
	Gross Effluent (31639)	PERMIT REQUIREMENT	No Monitoring Required	No Monitoring Required	No Monitoring Required	No Monitoring Required	No Monitoring Required			01/07	Grab	
1/5	BOD5	SAMPLE MEASUREMENT	<13.76	<14.15				<2.4	0	01/07	Comp 8	
	Gross Effluent (00310)	PERMIT REQUIREMENT	188	288	No Monitoring Required	No Monitoring Required	No Monitoring Required			01/07	Comp 8	
1/6	TSS	SAMPLE MEASUREMENT	<2.87	<2.95				<0.5	0	01/07	Comp 8	
	Gross Effluent (00530)	PERMIT REQUIREMENT	188	288	No Monitoring Required	No Monitoring Required	No Monitoring Required			01/07	Comp 8	
1/7	Total Nitrogen	SAMPLE MEASUREMENT	13.62	14.15				2.4	0	01/30	Comp 8	
	Gross Effluent (00600)	PERMIT REQUIREMENT	100	No Limit	No Monitoring Required	No Monitoring Required	No Monitoring Required			01/30	Comp 8	

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ DATE: \_\_\_\_\_

ATTACH DIGITAL SIGNATURE RECEIPT (SEE INSTRUCTIONS)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT: \_\_\_\_\_

YEAR: \_\_\_\_\_ MO: \_\_\_\_\_ DAY: \_\_\_\_\_

NDI (No Data Indication) Reasons: 8 - No Sample (Other); 9 - No Sample (Monitoring Not Required this Monitoring Period); B - Not Detected; C - No Sample (No Discharge)



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS (include facility name/location if different):

NAME: City of Lewes - Board of Public Works LBPW

ADDRESS: 116 American Legion Road, Lewes, DE 19958 US

FACILITY: Howard Seymour Water Treatment/Adaptation Plant

LOCATION: 116 American Legion Road, Lewes, DE 19958 US

DE0021512

PERMIT NUMBER

MONITORING PERIOD

FROM: 2018 04 01 TO: 2018 04 30

001

DISCHARGE NUMBER

REPORT SUBMITTED BY

STATUS OF SUBMISSION

A

REPORT DESIGNATOR

DATA ENTRY COMPLETE

Submitted for Signature

5/15/2018

DATE

gloria.lefchick@stservic

es.com

#	PARAMETER	NDI	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. OF ANALYSIS	FREQUENCY	SAMPLE TYPE
			AVERAGE	MAXIMUM	UNITS	AVERAGE	MAXIMUM	UNITS			
2/1	Phosphorus, Total		5.26	5.48	lbs/Day	0.93	0.93	mg/l	0	01/30	Comp 8
	Gross Effluent (00665)		25	No Limit	Monitoring Req'd	2	No Limit	Monitoring Req'd	mg/l	01/30	Comp 8

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all appropriate columns, here)

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

IDENTIFY, UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR INFORMATION THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

ATTACH DIGITAL SIGNATURE RECEIPT FROM \_\_\_\_\_

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

YEAR MO DAY

TYPED OR PRINTED

# Submission Receipt

**Copy of Record: 36585 Confirmation ID: r201851536585**

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Site: Howard Seymour Water Reclamation Plant      Site ID: DE0021512

Submission: Discharge Monitoring Report for DE0021512 Howard Seymour Water Reclamation Plant    Outfall: 001, April, 2018

File Name: 20184-1342-60660265      File Type: .pdf

Report: DMR      Status: Signed

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Hash of Data Document:  
7c214ff75b968234e232e047c0295a82ac9253af91bced2a6b7246b1a6d7d3ef

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Data Entry Completed: 5/15/2018 11:53 AM      By: Gloria Lefchick  
(gloria.lefchick@stservices.com)  
EMail of Submitter: Gloria.Lefchick@STServices.com      From: 64.235.131.142

Signed: 5/15/2018 12:50 PM      By: Ronald Griffith  
(rgriffith@tuiwater.com)  
EMail of Signator: rgriffith@tuiwater.com      From: 207.37.234.202

Token Used When Signed: W2KLbTndAxu5w5nSmeSXtqLcxPjIS+FoiDooDS/gc=

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