

WHITE MARSH
ENVIRONMENTAL SYSTEMS, INC.
A Middlesex Water Company Affiliate

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

Subject: Monthly Report,

Attached is a summary of the Operations and Maintenance activities at the Board's lift stations and wastewater treatment plant for the month of August, 2019. Please direct any questions to my attention. Thank you.

Sincerely,



Mike Evans
District Manager
Tidewater Utilities, Inc.



NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

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

NAME Howard Seymour Water Reclamation Plant
 ADDRESS 116 American Legion Road, Lewes, DE 19958 US
 FACILITY Howard Seymour Water Reclamation Plant
 LOCATION 116 American Legion Road, Lewes, DE 19958 US

DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER DE0021512
 DISCHARGE NUMBER 001
 REPORT DESIGNATOR A
 DATA ENTRY COMPLETE 9/16/2019
 REPORT SUBMITTED BY daveweed69
 STATUS OF SUBMISSION Submitted for Signature

MONITORING PERIOD

FROM 2019 08 01 TO 2019 08 31

#	PARAMETER	NDI	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
1/1	Flow		0.846	0.9653	Mil Gal/Day				0	99/99	RCOTOT
	Gross Effluent (50050)	-	No Limit Monitoring Req	No Limit Monitoring Req	Mil Gal/Day		No Monitoring Required	No Monitoring Required	-	99/99	RCOTOT
1/2	Dissolved oxygen (DO)			0.36				2.25	0	99/99	Imersion
	Gross Effluent (00300)	-	No Monitoring Required	No Monitoring Required			No Monitoring Required	No Limit Monitoring Req	-	99/99	Imersion
1/3	pH			7.4				7.6	0	01/01	Grab
	Gross Effluent (00400)	-	No Monitoring Required	No Monitoring Required			6	9	-	01/01	Grab
1/4	Enterococcus							<1.3	0	01/07	Grab
	Gross Effluent (31639)	-	No Monitoring Required	No Monitoring Required				104	-	01/07	Grab
1/5	BOD5		<18.31	<19.27	lbs/Day			<2.4	0	01/07	Composite 24
	Gross Effluent (00310)	-	188	288	lbs/Day			23	-	01/07	Composite 24
1/6	BOD5							203	0	01/07	Composite 24
	Raw Sewage (00310)	-	No Monitoring Required	No Monitoring Required				No Limit Monitoring Req	-	01/30	Composite 24
1/7	TSS		<6.59	<8.69	lbs/Day			<0.88	0	01/07	Composite 24
	Gross Effluent (00530)	-	188	288	lbs/Day			23	-	01/07	Composite 24

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

I CERTIFY 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 OPERATE AND MAINTAIN THIS SYSTEM AND THAT I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR SUCH VIOLATIONS.

(ATTACH DIGITAL SIGNATURE RECEIPT FROM CROMERY)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

YEAR	MO	DAY
------	----	-----

TYPED OR PRINTED

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

DNREC DISCHARGE MONITORING REPORT - DMR1 (EPA FORM 3320-1 (Rev. 10-96) USED AS TEMPLATE), 2016.

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DE0021512
 PERMIT NUMBER

001
 DISCHARGE NUMBER

REPORT DESIGNATOR: A
 DATA ENTRY COMPLETE: 9/16/2019
 REPORT SUBMITTED BY: daveweed69
 STATUS OF SUBMISSION: Submitted for Signature

MONITORING PERIOD

FROM: 2019 08 01 TO: 2019 08 31

#	PARAMETER	NDI	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
			AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM				
2/1	TSS	-	No Monitoring Required	No Monitoring Required	No Monitoring Required	184	No Limit	No Limit	0	01/07	Composite 24	
2/2	Total Nitrogen	-	20.18	21.87	lbs/Day	2.86	2.86	mg/l	0	01/30	Composite 24	
2/3	Gross Effluent, Total	-	100	No Limit	lbs/Day	8	No Limit	mg/l	-	01/30	Composite 24	
	Gross Effluent (00665)	-	5.32	5.76	lbs/Day	0.754	0.754	mg/l	0	01/30	Composite 24	
	Gross Effluent (00665)	-	25	No Limit	lbs/Day	2	No Limit	mg/l	-	01/30	Composite 24	

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NAME/TITLE: PRINCIPAL EXECUTIVE OFFICER

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TELEPHONE

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TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

YEAR MO DAY

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Submission Receipt

Copy of Record: 47529 Confirmation ID: r201991647529

Site: Howard Seymour Water Reclamation
Plant

Site ID: DE0021512

Submission: Discharge Monitoring Report for DE0021512 Howard Seymour
Water Reclamation Plant Outfall: 001, August, 2019

File Name: 20198-2006-60749445

File Type: .pdf

Report: DMR

Status: Signed

Hash of Data Document:

5d3ec136c2d9de976d91e13dbd0ef2a47e5f159d48f230618c56814121ef5b06

Data Entry Completed: 9/16/2019
8:58 AM

By: David Weed (daveweed69)

E-Mail of Submitter: dweed@tuiwater.com

From: 208.87.236.201

Signed: 9/16/2019 9:00 AM

By: Ronald Griffith
(rgriffith@tuiwater.com)

E-Mail of Signator: rgriffith@tuiwater.com

From: 208.87.236.201

Token Used When Signed: T1Fo9lxLZlwgQeG9MCRVUluoFR2NX4TszGSc6N7MOUA=

LEWES WWTF

NUTRIENT OFFSET REPORT

MONTH	Days	Average Monthly Flow	Monthly Average TN	Total Monthly TN Discharged	TN Based 16.9 lbs Manure Offset Required	Poultry Manure Relocated	Poultry Manure Offset Balance	Monthly Average TP	Total Monthly TP Discharged	TP Based 285 lbs Manure Offset Required
		MGD	mg/L	Lbs.	Lbs.	Tons	Lbs.	mg/L	Lbs.	Lbs.
Carry Over										
January	31	0.8809	7.05	1605.62	27135.02		2,712,733.35	0.42	95.65	27261.42
February	28	0.9414	2.01	441.87	7467.60		2,685,471.93	0.17	37.37	10651.04
March	31	1.0168	6.26	1645.65	27811.49		2,674,820.89	0.39	102.62	29219.50
April	30	0.8032	3.35	673.22	11377.39		2,645,601.39	0.54	108.62	30927.84
May	31	0.7462	5.21	1005.13	16986.64		2,614,673.55	1.46	281.67	80275.07
June	30	0.7242	3.15	570.76	9645.91		2,534,398.47	0.73	132.27	37697.59
July	31	0.8390	4.05	878.51	14846.75		2,496,700.89	1.87	406.63	115604.88
August	31	0.8460	2.86	625.55	10571.85		2,381,096.01	0.75	164.92	47001.78
September	30			0.00	0.00		2,334,094.23		0.00	0.00
October	31			0.00	0.00		2,334,094.23		0.00	0.00
November	30			0.00	0.00		2,334,094.23		0.00	0.00
December	31			0.00	0.00		2,334,094.23		0.00	0.00
Year Balance							2,334,094.23			

Comments:

Authorized Signatory

DATE