

PUMP STATION 196

Jun-22		PS 196	
		METER READING	24 HOUR FLOW
WED	1	25660710	0.244160
THU	2	25904870	0.254380
FRI	3	26159250	0.253480
SAT	4	26412730	0.259420
SUN	5	26672150	0.263680
MON	6	26935830	0.250220
TUE	7	27186050	0.244250
WED	8	27430300	0.245060
THU	9	27675360	0.239670
FRI	10	27915030	0.250450
SAT	11	28165480	0.295580
SUN	12	28461060	0.281800
MON	13	28742860	0.250130
TUE	14	28992990	0.255630
WED	15	29248620	0.253570
THU	16	29502190	0.262930
FRI	17	29765120	0.264530
SAT	18	30029650	0.265560
SUN	19	30295210	0.268020
MON	20	30563230	0.268810
TUE	21	30832040	0.263870
WED	22	31095910	0.257950
THU	23	31353860	0.250860
FRI	24	31604720	0.207240
SAT	25	31811960	0.151390
SUN	26	31963350	0.152370
MON	27	32115720	0.154860
TUE	28	32270580	0.138600
WED	29	32409180	0.141340
THU	30	32550520	0.146370
		32696890	
TOTAL COUNT			7.036180
AVERAGE			30
MINIMUM			0.138600
MAXIMUM			0.295580

Submission Receipt

Copy of Record: 76447 Confirmation ID: r202262876447

Site: Howard Seymour Water Reclamation
Plant

Site ID: DE0021512

Submission: Discharge Monitoring Report for DE0021512 Howard Seymour
Water Reclamation Plant Outfall: 001, May, 2022

File Name: 20225-3420-60749445

File Type: .pdf

Report: DMR

Status: Signed

Hash of Data Document:

a8d9c41b500a1343be4a072ce26c304f3b0203d55dc31dd3be034bd3c8a9e745

Data Entry Completed: 6/28/2022
6:31 PM

By: Richard Plack (richardplack)

E-Mail of Submitter: Richard.Plack@Inframark.com From: 172.31.25.192

Signed: 6/28/2022 6:33 PM

By: Richard Plack (richardplack)

E-Mail of Signator: Richard.Plack@Inframark.com From: 172.31.25.192

Token Used When Signed: 6N1QYQoCKdedY3MJxcg5izzb7a51euE8IHu9g98dzJg=

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

DE0021512 PERMIT NUMBER
 001 DISCHARGE NUMBER
 MONITORING PERIOD FROM 2022 05 01 TO 2022 05 31

REPORT DESIGNATOR: A
 DATA ENTRY COMPLETE: 6/28/2022
 REPORT SUBMITTED BY: richardplack
 STATUS OF SUBMISSION: Submitted for Signature

#	PARAMETER	NDI	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
1/1	Flow	SAMPLE MEASUREMENT	0.779	0.999	Mil Gal/Day				--	0	99/99	RCOTOT
	Gross Effluent (50050)	PERMIT REQUIREMENT	No Limit Monitoring Req'd	No Limit Monitoring Req'd	Mil Gal/Day	No Monitoring Required	No Monitoring Required	No Monitoring Required	--	--	99/99	RCOTOT
1/2	Dissolved oxygen (DO)	SAMPLE MEASUREMENT			--	5.11		7.29	mg/l	0	99/99	Imersion
	Gross Effluent (00300)	PERMIT REQUIREMENT	No Monitoring Required	No Monitoring Required	--	No Limit Monitoring Req'd	No Monitoring Required	No Limit Monitoring Req'd	mg/l	--	99/99	Imersion
1/3	pH	SAMPLE MEASUREMENT			--	7.1		7.7	Std pH Units	0	01/01	Grab
	Gross Effluent (00400)	PERMIT REQUIREMENT	No Monitoring Required	No Monitoring Required	--	6	No Monitoring Required	9	Std pH Units	--	01/01	Grab
1/4	Enterococcus	SAMPLE MEASUREMENT			--	<1		<1	CFU/100 ML	0	01/07	Grab
	Gross Effluent (31639)	PERMIT REQUIREMENT	No Monitoring Required	No Monitoring Required	--	No Monitoring Required	10	104	CFU/100 ML	--	01/07	Grab
1/5	BOD5	SAMPLE MEASUREMENT	<15	<17	lbs/Day		<2.4	<2.4	mg/l	0	01/07	Composite 24
	Gross Effluent (00310)	PERMIT REQUIREMENT	188	288	lbs/Day	No Monitoring Required	15	23	mg/l	--	01/07	Composite 24
1/6	BOD5	SAMPLE MEASUREMENT			--		146	146	mg/l	0	01/30	Composite 24
	Raw Sewage (00310)	PERMIT REQUIREMENT	No Monitoring Required	No Monitoring Required	--	No Monitoring Required	No Limit Monitoring Req'd	No Limit Monitoring Req'd	mg/l	--	01/30	Composite 24
1/7	TSS	SAMPLE MEASUREMENT	<3	<4	lbs/Day		<0.5	0.5	mg/l	0	01/07	Composite 24
	Gross Effluent (00530)	PERMIT REQUIREMENT	188	288	lbs/Day	No Monitoring Required	15	23	mg/l	--	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 PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE 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 CROMERR]	TELEPHONE	DATE	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		YEAR	MO

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			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS	
2/1	TSS	SAMPLE MEASUREMENT			--		85	85	mg/l	0	01/30	Composite 24	
	Raw Sewage (00530)	PERMIT REQUIREMENT	-	No Monitoring Required	No Monitoring Required	--	No Monitoring Required	No Limit Monitoring Req'd	No Limit Monitoring Req'd	mg/l	--	01/30	Composite 24
2/2	Total Nitrogen	SAMPLE MEASUREMENT		45.8	55.5	lbs/Day		7.47	9.21	mg/l	0	01/30	Composite 24
	Gross Effluent (00600)	PERMIT REQUIREMENT	-	100	No Limit Monitoring Req'd	lbs/Day	No Monitoring Required	8	No Limit Monitoring Req'd	mg/l	--	01/30	Composite 24
2/3	Phosphorus, Total	SAMPLE MEASUREMENT		1.6	1.6	lbs/Day		0.26	0.26	mg/l	0	01/30	Composite 24
	Gross Effluent (00665)	PERMIT REQUIREMENT	-	25	No Limit Monitoring Req'd	lbs/Day	No Monitoring Required	2	No Limit Monitoring Req'd	mg/l	--	01/30	Composite 24

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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)

Monthly Operations Report: May 2022

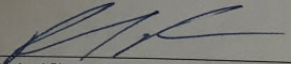
Site: LEWES WWTP

FINAL EFFLUENT OUTFALL 001																	
DATE	DAY	Flow	BOD		TSS		Enteroc.	Total P		Total N		Ammonia as N		Nitrite + Nitrate		TKN	
		MGD	mg/L	lbs	mg/L	lbs	col/100ml	mg/L	lbs	mg/L	lbs	mg/L	lbs	mg/L	lbs	mg/L	lbs
1	Sun.	0.783															
2	Mon.	0.764															
3	Tue.	0.723	<2.4	<15	<0.5	<3		0.3	1.57	9.2	55.53	0.1	1	8.3	50	0.9	6
4	Wed.	0.726					<1.0										
5	Thu.	0.740															
6	Fri.	0.782															
7	Sat.	0.741															
8	Sun.	0.732															
9	Mon.	0.762															
10	Tue.	0.820	<2.4	<16	<0.5	<3											
11	Wed.	0.773					<1.0										
12	Thu.	0.741															
13	Fri.	0.949															
14	Sat.	0.815															
15	Sun.	0.794															
16	Mon.	0.805															
17	Tue.	0.756	<2.4	<15	0.5	3				5.7	36.13	0.1	1	4.9	31	0.8	5
18	Wed.	0.653					<1.0										
19	Thu.	0.689															
20	Fri.	0.738															
21	Sat.	0.687															
22	Sun.	0.688															
23	Mon.	0.676															
24	Tue.	0.673	<2.4	<14	0.5	3											
25	Wed.	0.686					<1.0										
26	Thu.	0.786															
27	Fri.	0.973															
28	Sat.	0.999															
29	Sun.	0.863															
30	Mon.	0.984															
31	Tue.	0.844	<2.4	<17	<0.5	<4											
TOTAL		24.1450															
AVERAGE		0.7789	<2.40	<15.28	<0.50	<3.18	1.0	0.26	1.57	7.47	45.83	0.11	0.65	6.60	40.45	0.88	5.39
MAXIMUM		0.9990	<2.40	<16.90	0.50	<3.50	<1.00	0.26	1.57	9.21	55.53	0.12	0.72	8.27	49.87	0.94	5.67
MINIMUM		0.6530	<2.40	<13.50	<0.50	2.80	<1.00	0.26	1.57	5.73	36.13	0.09	0.57	4.92	31.02	0.81	5.11
Removal (%)			98.4		99.4												

INFLUENT						
DATE	DAY	Flow	BOD		TSS	
		MGD	mg/L	lbs	mg/L	lbs
1	Sun.	0.732				
2	Mon.	0.714				
3	Tue.	0.696	146.0	847	85.0	493
4	Wed.	0.703				
5	Thu.	0.710				
6	Fri.	0.740				
7	Sat.	0.787				
8	Sun.	0.916				
9	Mon.	0.940				
10	Tue.	1.004				
11	Wed.	0.804				
12	Thu.	0.797				
13	Fri.	0.776				
14	Sat.	0.802				
15	Sun.	0.790				
16	Mon.	0.759				
17	Tue.	0.747				
18	Wed.	0.615				
19	Thu.	0.635				
20	Fri.	0.670				
21	Sat.	0.665				
22	Sun.	0.669				
23	Mon.	0.637				
24	Tue.	0.708				
25	Wed.	0.734				
26	Thu.	0.769				
27	Fri.	0.910				
28	Sat.	0.946				
29	Sun.	0.954				
30	Mon.	0.948				
31	Tue.	0.822				
TOTAL		24.0990				
AVERAGE		0.78	146	847	85	493
MAXIMUM		1.00	146	847	85	493
MINIMUM		0.62	146	847	85	493
Removal (%)						

LEWES WWTF
NUTRIENT OFFSET REPORT 2022

Month	Days	Average Monthly Flow	Monthly Average TN	Total Monthly TN Discharged	TN Based 16.9 lbs Manure Offset Required	Monthly Average TP	Total Monthly TP Discharged	TP Based 285 lbs Manure Offset Required	Max Manure Equivalent	Poultry Manure Relocated	Poultry Manure Offset Balance
		MGD	mg/L	lbs	Tons	mg/L	lbs	Tons	Tons	Tons	Tons
Carry Over											513.70
May	31	0.7789	7.47	1,504.28	12.71	0.26	52.36	7.46	12.71	-	500.99
June	30	371.1886	-	-	-	-	-	-	-	-	500.99
July	31	-	-	-	-	-	-	-	-	-	-
August	31	-	-	-	-	-	-	-	-	-	-
September	30	-	-	-	-	-	-	-	-	-	-
October	31	-	-	-	-	-	-	-	-	-	-
November	30	-	-	-	-	-	-	-	-	-	-
December	31	-	-	-	-	-	-	-	-	-	-
January	31	-	-	-	-	-	-	-	-	-	-
February	28	-	-	-	-	-	-	-	-	-	-
March	31	-	-	-	-	-	-	-	-	-	-
April	30	-	-	-	-	-	-	-	-	-	-
Year Balance											500.99
Comments:											



 Authorized Signatory

6/28/22

 Date