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Permit

Permit #:
Major:

IN0051446
No

Permittee:
Permittee Address:

LAKE ELIZA AREA CONSERVANCY DISTRICT
526 W 100 S
VALPARAISO, IN 46341

Facility:
Facility Location:

LAKE ELIZA AREA CONSERVANCY DISTRICT
526 W 100 S
HEBRON, IN 46341

Permitted Feature:

001
External Outfall

Discharge:

001-A
0.102 MGD CLASS I-SP 2 CELL LAGOON WWTP

Report Dates & Status

Monitoring Period:

From 04/01/24 to 04/30/24

DMR Due Date:

05/28/24

Status:

NetDMR Validated

Considerations for Form Completion

DISCHARGE MAY OCCUR ANYTIME DURING YEAR PROVIDED DAILY DISCHARGE FLOW DOES NOT EXCEED ONE TENTH (1/10)STREAM FLOW OF RECEIVING STREAM. MONITORING OF EFFLUENT PARAMETERS ONLY REQUIRED DURING PERIODS OF DISCHARGE. MUNICIPAL MINOR PORTER COUNTY

Principal Executive Officer

First Name:
Last Name:

Ronald
Ippilto

Title:

Board President

Telephone:

219-405-1826

No Data Indicator (NODI)

FormNODI: --

Code	Parameter	Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type	
	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00060	Streamflow	5 - Upstream Monitoring	0	--	Sample	=	3.0			03 - MGD								0	DL/DS - Daily When Discharging	RF - RCD FLO
					Permit Req.		Req Mon MO AVG			03 - MGD									DL/DS - Daily When Discharging	RF - RCD FLO
					Value NODI															
X 00400	pH	1 - Effluent Gross	0	--	Sample	=	8.6							=	9.4	12 - SU		8	01/07 - Weekly	GR - GRAB
					Permit Req.		>= 6.0 DAILY MN							<=	9.0 DAILY MX	12 - SU			01/07 - Weekly	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample								=	38.2		19 - mg/L		0	01/07 - Weekly	GR - GRAB
					Permit Req.								<=	70.0 MO AVG	<=	105.0 MX WK AV	19 - mg/L		01/07 - Weekly	GR - GRAB
					Value NODI															
00810	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample								=	0.882		19 - mg/L		0	01/07 - Weekly	GR - GRAB
					Permit Req.								<=	12.1 MO AVG	<=	18.2 MX WK AV	19 - mg/L		01/07 - Weekly	GR - GRAB
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.1056			03 - MGD								0	DL/DS - Daily When Discharging	TM - TOTALZ
					Permit Req.		Req Mon MO AVG			03 - MGD									DL/DS - Daily When Discharging	TM - TOTALZ
					Value NODI															
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	0.1696			03 - MGD								0	05/WK - Five Per Week	TM - TOTALZ
					Permit Req.		Req Mon MO AVG			03 - MGD									05/WK - Five Per Week	TM - TOTALZ
					Value NODI															
X 51041	E. coli, colony forming units [CFU]	1 - Effluent Gross	1	--	Sample								=	51.0		3Z - CFU/100mL		1	01/07 - Weekly	GR - GRAB
					Permit Req.								<=	125.0 MO GEO	<=	235.0 DAILY MX	3Z - CFU/100mL		01/07 - Weekly	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample								=	22.1		19 - mg/L		0	01/07 - Weekly	GR - GRAB
					Permit Req.								<=	25.0 MO AVG	<=	40.0 MX WK AV	19 - mg/L		01/07 - Weekly	GR - GRAB
					Value NODI															
80093	Dilution factor	1 - Effluent Gross	0	--	Sample			=	0.0986	1U - Ratio								0	DL/DS - Daily When Discharging	CA - CALCTD
					Permit Req.			<=	0.1 DAILY MX	1U - Ratio									DL/DS - Daily When Discharging	CA - CALCTD
					Value NODI															
					Sample			=	2.3227	80 - Mgal/mo									01/30 - Monthly	RT - ROOTOT

82220	Flow, total	1 - Effluent Gross	0	--	Permit Req.				Req Mon MO TOTAL 80 - Mgal/mo								0	01/30 - Monthly	RT - ROOTOT
					Value NODI														

Submission Note

If a parameter row does not contain any values for the Sample nor E ffluent Trading, then none of the following fields will be submitted for that row. Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
51041	E. coli, colony forming units [CFU]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes
00400	pH	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments

E ffluent Discharge is dark green in appearance due to algae. First sample of the season failed but all samples since that time have passed.

Attachments

Name	Type	Size
IN0051446_001A_MRO_2024_04.pdf	pdf	159005.0

Report Last Saved By

LAKE ELIZA AREA CONSERVANCY DISTRICT

User: lwallace@astburygroup.com

Name: Artemus Wallace

E-Mail: lwallace@astburygroup.com

Date/Time: 2024-05-28 17:57 (Time Zone: -04:00)

Report Last Signed By

User: lwallace@astburygroup.com

Name: Artemus Wallace

E-Mail: lwallace@astburygroup.com

Date/Time: 2024-05-28 18:07 (Time Zone: -04:00)



**MONTHLY REPORT OF OPERATION
LAGOON TYPE
WASTEWATER TREATMENT PLANT**

State Form 53343 (R5 / 3-19)

Name of Facility			Permit Number	
Lake Eliza Conservancy District			IN0051446	
Month	Year	Plant Design Flow	Telephone Number	
April	2024	0.102 mgd	219-759-0193	
E-mail address: lwallace@astburygroup.com				
Certified Operator: Name		Class	Certificate Number	Expiration Date
Artemus L Wallace		IV	WW016012	6/30/2025

Day Of Month	Day of Week	Man-Hours at Plant (Plants less than 1 MGD only)	Air Temperature (optional)	Water Temperature	Total= 0	Precipitation - Inches	Bypass At Plant Site ("x" If Occurred)	Collection System Overflow ("x" If Occurred)	CHEMICALS USED			RAW SEWAGE												
									Chlorine - Lbs	Lbs/Day or Gal./Day	Lbs/Day or Gal./Day	Influent Flow Rate (if metered) MGD	pH	CBOD5 - mg/l	CBOD5 - lbs	Susp. Solids - mg/l	Susp. Solids - lbs	Phosphorus - mg/l	Ammonia - mg/l					
1	Mon	1.5										0.2845	7.2											
2	Tue	1.25										0.3279												
3	Wed	1.75										0.2498	7.2	56.7	118.12	25	52.083			11.4				
4	Thu	1.5										0.3096												
5	Fri	1										0.2338												
6	Sat																							
7	Sun																							
8	Mon	1.25										0.3781												
9	Tue	1.75										0.0899	7.3	55.2	41.387	31	23.243			13.7				
10	Wed	1.25										0.0981												
11	Thu	1										0.0708												
12	Fri	1.25										0.1195	7.2											
13	Sat																							
14	Sun																							
15	Mon	1.75										0.2849	7.3	71.1	168.94	31	73.658			17.4				
16	Tue	1										0.0664												
17	Wed	1.25										0.0673												
18	Thu	1										0.0991												
19	Fri	1.75										0.1795	7.3											
20	Sat																							
21	Sun																							
22	Mon	1.25										0.0263												
23	Tue	1.75										0.0662	7.2	233	128.64	120	66.253			53.4				
24	Wed	1										0.057												
25	Thu	1										0.0631												
26	Fri	1.5										0.0526	7.3											
27	Sat																							
28	Sun																							
29	Mon	1										0.3889												
30	Tue	1.75										0.2169	7.1	118	213.46	25	45.224			12.7				
Average												0.1696		107	134.11	46	52.092			21.72				
Maximum												0.3889	7.3	233	213.46	120	73.658			53.4				
Minimum												0.0263	7.1	55.2	41.387	25	23.243			11.4				
No. of Data									0	0	0	0	0	0	0	22	9	5	5	5	5	0	5	0
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 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.									Prepared by or under the direction of (Certified Operator):							Date (month, day, year)								
									Artemus L Wallace															
									Signature of principal executive officer or authorized agent (or attested by NetDMR subscriber agreement)							Date (month, day, year)								
									Artemus L Wallace															

MONTHLY REPORT OF OPERATION
LAGOON TYPE
WASTE WATER TREATMENT PLANT

State Form 53343 (R5 / 3-19)

Name of Facility	Permit Number	For Month Of:	Year
Lake Eliza Conservancy District	IN 0051446	April	2024

Day Of Month	CONTROLLED DISCHARGE				Primary Cell Sludge Depth (ft) Measure Annually in June			Primary Cell Effluent CBOD5 mg/l - Test Monthly	TERTIARY INFLUENT		FINAL EFFLUENT						
	Upstream Gage Reading (in.)	0	Dilution Ratio (Discharge / Upstream)	Last Cell Water Level (ft.)					Amm onia - mg/l Test Weekly		Residual Chlorine - Contact Tank	Residual Chlorine - Final	E. Coli - colony/100 ml	pH - daily low (or single sample)	pH - daily high (if multiple samples)	Dissolved Oxygen - mg/l	Phosphorus - mg/l
1	20.976	6.55	0.0178	3.17											9.4		
2	22.908	8.17	0.015	3.13													
3	19.224	5.27	0.0219	3.04									326		9.2		
4	22.56	4.88	0.0232	3.02													
5	18.228	4	0.0305	3													
6																	
7																	
8	14.724	2.88	0.0385	2.89													
9	13.68	2.25	0.0493	2.89									111		9.2		
10	13.188	2.06	0.0602	2.83													
11	13.02	1.99	0.033	2.81													
12	14.22	2.48	0.0448	2.77											9.2		
13																	
14																	
15	12.3	1.72	0.0584	2.88									1		9.3		
16	11.46	1.45	0.0039	2.77													
17	11.616	1.5	0.0037	2.75													
18	12.55	1.8	0.0069	2.75													
19	14.772	2.73	0.0178	2.73											9.3		
20																	
21																	
22	12.216	1.69	0.0821	2.79													
23	11.112	1.57	0.0904	2.88									93		9.1		
24	10.104	1.35	0.0929	2.89													
25	8.94	0.78	0.0736	2.92													
26	8.028	0.81	0.0986	2.96											9.2		
27																	
28																	
29	19.8	5.72	0.0556	2.81													
30	17.676	4.27	0.0412	2.81									102		8.6		
Avg.	14.7	3.0	0.0436	3									51				
Max.	22.908	8.17	0.0986	3.17									326		9.4		
Min.	8.028	0.78	0.0037	2.73									1		8.6		
Daily Max													326				
# of Days above 235													1				
Data	22	22	22	22	0	0	0	0	0	0	0	0	5	9		0	0

Comments for the Month (major repairs, breakdowns, process upsets and their causes, inplant treatment process bypass, etc.):

MONTHLY REPORT OF OPERATION
LAGOON TYPE
WASTE WATER TREATMENT PLANT

State Form 53343 (R5 / 3-19)

Name of Facility	Permit Number	For Month Of:	Year
Lake Eliza Conservancy District	IN0051446	April	2024

Day Of Month	Day of Week	FINAL EFFLUENT															
		Flow		BOD				Total Suspended Solids				Ammonia				Other	
		Effluent Flow Rate (MGD)	Effluent Flow Weekly Average	CBOD5 - mg/l	CBOD5 - mg/l Weekly Average	CBOD5 - lbs	CBOD5 - lbs/day Weekly Average	Susp. Solids - mg/l	Susp. Solids - mg/l Weekly Average	Susp. Solids - lbs	Susp. Solids - lbs/day Weekly Average	Ammonia - mg/l	Ammonia - mg/l Weekly Average	Ammonia - lbs	Ammonia - lbs/day Weekly Average	Oil & Grease (mg/l)	
1	Mon	0.1167															
2	Tue	0.1229															
3	Wed	0.1153		21.1		20.302		42.4		40.796		0.65		0.6254			
4	Thu	0.1131															
5	Fri	0.1218															
6	Sat		0.118		21.1		20.302		42.4		40.796		0.65		0.6254		
7	Sun																
8	Mon	0.1108															
9	Tue	0.1109		28.6		26.468		38		35.167		0.68		0.6293			
10	Wed	0.1241															
11	Thu	0.0657															
12	Fri	0.1112															
13	Sat		0.1045		28.6		26.468		38		35.167		0.68		0.6293		
14	Sun																
15	Mon	0.1004		23.5		19.689		36		30.162		0.12		0.1005			
16	Tue	0.0057															
17	Wed	0.0055															
18	Thu	0.0125															
19	Fri	0.0486															
20	Sat		0.0345		23.5		19.689		36		30.162		0.12		0.1005		
21	Sun																
22	Mon	0.1387															
23	Tue	0.1419		19.1		22.617		42.4		50.208		0.76		0.9			
24	Wed	0.1254															
25	Thu	0.0574															
26	Fri	0.0799															
27	Sat		0.1087		19.1		22.617		42.4		50.208		0.76		0.9		
28	Sun																
29	Mon	0.3181															
30	Tue	0.1761		18.2		26.746		32		47.026		2.2		3.233			
Avg		0.1056		22.1		23.165		38.2		40.672		0.882		1.0976			
Max		0.3181	0.118	28.6	28.6	26.746	26.468	42.4	42.4	50.208	50.208	2.2	0.76	3.233	0.9		
Min		0.0055	0.0345	18.2	19.1	19.689	19.689	32	36	30.162	30.162	0.12	0.12	0.1005	0.1005		
Data		22	4	5	4	5	4	5	4	5	4	5	4	5	4	0	0

MONTHLY REMOVAL SUMMARY					Total Monthly Flow: (million gallons)	
Percent Removal	BOD5	S.S.	Ammonia	Phosphorus	Influent	3.7302
					Effluent	2.3227
					Percent Capacity	
					(influent flow/design)	166%
Overall Treatment	79.3	17.8	95.9	NA		