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Permit

Permit #:
Major:

IN0043681
No

Permittee:
Permittee Address:

SECOND TAMERIX LAKE ADDITION
8952 W EVERGREEN DR
COLUMBUS, IN 47201

Facility:
Facility Location:

SECOND TAMERIX LAKE ADDITION
8902 W EVERGREEN DR
COLUMBUS, IN 47201

Permitted Feature:

001
External Outfall

Discharge:

001-A
0.0128 MGD CLASS I EXTENDED AERATION - TO DENIOS CREEK

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

THE FLOW METER(S) SHALL BE CALIBRATED AT LEAST ONCE ANNUALLY. SEMI PUBLIC BARTHOLOMEW COUNTY

Principal Executive Officer

First Name:
Last Name:

William
Johnson

Title:

Telephone:

812-764-4532

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			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	2	--	Sample						=	7.55					19 - mg/L	0	02/07 - Twice Every Week	G2 - GRAB-2
					Permit Req.						>=	5.0 DLYAVMIN					19 - mg/L			
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.4				=	8.6	0	02/07 - Twice Every Week	GR - GRAB
					Permit Req.						>=	6.0 DAILYMN				<=	9.0 DAILYMX			
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	2	--	Sample	=	1.097	=	2.858	28 - lb/d			=	11.4	=	19.8	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Permit Req.	<=	3.2 MO AVG	<=	4.8 MX WK AV	28 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L			
					Value NODI															
X 00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.059	=	0.205	28 - lb/d			=	1.6	=	6.3	19 - mg/L	1	01/07 - Weekly	24 - COMP24
					Permit Req.	<=	0.17 MO AVG	<=	0.26 MX WK AV	28 - lb/d			<=	1.8 MO AVG	<=	2.4 MX WK AV	19 - mg/L			
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.0078			03 - MGD								0	05/WK - Five Per Week	TM - TOTALZ
					Permit Req.		Req Mon MO AVG			03 - MGD										
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								=	0.019	=	0.04	19 - mg/L	0	02/07 - Twice Every Week	GR - GRAB
					Permit Req.								<	0.06 MO AVG	<	0.06 DAILYMX	19 - mg/L			
					Value NODI															
50060	Chlorine, total residual	X - End of Chlorine Contact Chamber	0	--	Sample						=	0.5			=	5.4	19 - mg/L	0	02/07 - Twice Every Week	GR - GRAB
					Permit Req.						>=	0.5 DAILYMN				Req Mon DAILY MX	19 - mg/L			
					Value NODI															
X 51041	E. coli, colony forming units [CFU]	1 - Effluent Gross	0	--	Sample								=	71.0	=	613.0	3Z - CFU/100mL	1	01/07 - Weekly	GR - GRAB
					Permit Req.								<=	125.0 MO GEO	<=	235.0 DAILYMX	3Z - CFU/100mL			
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	2	--	Sample	=	0.381	=	0.915	28 - lb/d			=	4.5	=	6.75	19 - mg/L		01/07 - Weekly	24 - COMP24
					Permit Req.	<=	2.7 MO AVG	<=	4.3 MX WK AV	28 - lb/d			<=	25.0 MO AVG	<=	40.0 MX WK AV	19 - mg/L			
					Value NODI															
82220	Flow, total	1 - Effluent Gross	0	--	Sample			=	0.234	80 - Mgal/mo									01/30 - Monthly	RT - RCOTOT
					Permit Req.				Req Mon MO TOTAL	80 - Mgal/mo										
					Value NODI															

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
00810	Nitrogen, ammonia total [as N]	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.Coli exceedence was likely due to high flow, which reduced retention time in the contact tank or made it difficult for the chemical pump to keep up. Pumping rate was readjusted and haven't had issues since. Elevated Ammonia was due to a broken blower belt. Plant was only receiving air at half the rate. Belt was replaced and no further issues.

Attachments

Name	Type	Size
IN0082201_001A_MMR_2024_4.pdf	pdf	249831.0

Report Last Saved By

SECOND TAMERIX LAKE ADDITION

User: DSTROUD713

Name: Dawson Stroud

E-Mail: dstroud@astburygroup.com

Date/Time: 2024-05-28 14:55 (Time Zone: -04:00)

Report Last Signed By

User: DSTROUD713

Name: Dawson Stroud

E-Mail: dstroud@astburygroup.com

Date/Time: 2024-05-28 14:55 (Time Zone: -04:00)



**MONTHLY REPORT OF OPERATION
ACTIVATED SLUDGE TYPE WASTEWATER
TREATMENT PLANT - STANDARD**

State Form 53463 (R7 / 2-23)

Name of Facility Tamerix Lake			Permit Number IN0043681	
Month April	Year 2024	Plant Design Flow 0.013 mgd	Telephone Number (219)309-0741	
E-mail address: dstroud@astburygroup.com			001	A
Certified Operator: Name Dawson Lee Stroud		Class I	Certificate Number WW022057	Expiration Date 6/0/2025

Day Of Month	Day of Week	Man-Hours at Plant (Plants less than 1 MGD only)	Air Temperature (optional)	Total 0	Bypass At Plant Site ("x" If Occurred)	Collection System Overflow ("x" If Occurred)	CHEMICALS USED			RAW SEWAGE							
				Precipitation - Inches			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									7.7						
2	Tue																
3	Wed																
4	Thu																
5	Fri	1									8.1	45.8	4.579	71	7.0983		13.9
6	Sat																
7	Sun																
8	Mon																
9	Tue																
10	Wed																
11	Thu	1									8.4						
12	Fri	1									7.9	107	14.49	36	4.8759		6.12
13	Sat																
14	Sun																
15	Mon	1.5									7.8	86	6.78	740	58.342		14.6
16	Tue																
17	Wed																
18	Thu	1									7.2						
19	Fri																
20	Sat																
21	Sun																
22	Mon																
23	Tue																
24	Wed																
25	Thu	2									7.5						
26	Fri	1									8.0	106	3.465	140	4.577		26.4
27	Sat																
28	Sun																
29	Mon	1.5									8.2						
30	Tue																
Average												86	7.329	247	18.723		15.3
Maximum											8.4	107	14.49	740	58.342		26.4
Minimum											7.2	45.8	3.465	36	4.577		6.12
No. of Data				0	0	0	0	0	0	0	9	4	4	4	4	0	4

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): Dawson Lee Stroud	Date (month, day, year) 5/28/2024
	Signature of principal executive officer or authorized agent (or attested by NetDMR subscriber agreement) Bill Johnson	Date (month, day, year) 5/28/2024

MONTHLY REPORT OF OPERATION
ACTIVATED SLUDGE TYPE WASTEWATER
TREATMENT PLANT - STANDARD

State Form 53463 (R7 / 2-23)

Name of Facility	Permit Number	For Month Of:	Year
Tamirix Lake	IN0043681	April	2024

Day Of Month	PRIMARY EFFLUENT		AERATION							SECONDARY EFFLUENT		FINAL EFFLUENT								
			MIXED LIQUOR					RETURN SLUDGE												
	CBOD5 - m g/l	Susp. Solids - m g/l	Settleable Solids % in 30 minutes	Susp. Solids - m g/l	Sludge Vol. Index - ml/gm	Dissolved Oxygen - mg/l	Temperature - F	Volume - MG	Susp. Solids - m g/l	CBOD5 - m g/l	Susp. Solids - mg/l		Residual Chlorine - Final	Residual Chlorine - Contact Tank	E. C. coli - colony/1 00 ml	pH - daily low (or single sample)	pH - daily high (if multiple samples)	Dissolved Oxygen - mg/l	Phosphorus - mg/l	
1			400			5.1							0	2.5		7.9		7.8		
2																				
3																				
4																				
5			400	3990	100	6.3			4980				0.04	1.9	40	8.6		7.6		
6																				
7																				
8																				
9																				
10																				
11			350			6.1							0.04	0.8		8.1		8.3		
12			350	3900	90	4.2			5300				0.03	1.4	613	8.1		7.8		
13																				
14																				
15			300	3460	87	6.1			4480				0.01	0.93	39	7.6		7.7		
16																				
17																				
18			450			4.2							0.02	0.71	187	8.0		7.8		
19																				
20																				
21																				
22																				
23																				
24																				
25						3.1							0.03	5.4	43	7.4		7.6		
26			300	3400	88	3.2			3970				0	2.01	16	7.4		8.6		
27																				
28																				
29			300			5.0	17						0	0.5		8.0		9.2		
30																				
Avg.			356	3688	91	4.8	17		4683				0.019	1.794	71			8.0		
Max.			450	3990	100.3	6.32	17		5300				0.04	5.4	613	8.6		9.2		
Min.			300	3400	86.71	3.1	17		3970				0	0.5	16	7.4		7.55		
Daily Max																				
# of Days above 235																1				
Data	0	0	8	4	4	9	1	0	4	0	0	0	9	9	6	9		9	0	

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

**MONTHLY REPORT OF OPERATION
ACTIVATED SLUDGE TYPE WASTEWATER
TREATMENT PLANT - STANDARD**

State Form 53463 (R7 / 2-23)

Name of Facility	Permit Number	For Month Of:	Year
Tamirix Lake	IN0043681	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	0.012															
2	Tue	0.012															
3	Wed	0.012															
4	Thu	0.012															
5	Fri	0.012		2.2		0.22		7.4		0.74		0.1		0.01			
6	Sat	0.0079	0.0103		2.2		0.22		7.4		0.74		0.1		0.01		
7	Sun	0.0079															
8	Mon	0.0079															
9	Tue	0.0079															
10	Wed	0.0079															
11	Thu	0.0079															
12	Fri	0.0162		6.75		0.915		19.6		2.656		0.1		0.014			
13	Sat	0.0095	0.0093		6.75		0.915		19.6		2.656		0.1		0.014		
14	Sun	0.0095															
15	Mon	0.0095		2.15		0.17		8.4		0.663		0.1		0.008			
16	Tue	0.0063															
17	Wed	0.0063															
18	Thu	0.0063															
19	Fri	0.0059															
20	Sat	0.0059	0.0071		2.15		0.17		8.4		0.663		0.1		0.008		
21	Sun	0.0059															
22	Mon	0.0059															
23	Tue	0.0059															
24	Wed	0.0059															
25	Thu	0.0059															
26	Fri	0.0039		6.75		0.221		10		0.327		6.26		0.205			
27	Sat	0.0045	0.0054		6.75		0.221		10		0.327		6.26		0.205		
28	Sun	0.0045															
29	Mon	0.0045															
30	Tue	0.0045															
Avg		0.0078		4.5		0.381		11.4		1.097		1.64		0.059			
Max		0.0162	0.0103	6.75	6.75	0.915	0.915	19.6	19.6	2.656	2.656	6.26	6.26	0.205	0.205		
Min		0.0039	0.0054	2.15	2.15	0.17	0.17	7.4	7.4	0.327	0.327	0.1	0.1	0.008	0.008		
Data		30	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0

MONTHLY REMOVAL SUMMARY					Total Monthly Flow:
Percent Removal	BOD5	S.S.	Ammonia	Phosphorus	(million gallons) 0.234
Primary Treatment	NA	NA			
Secondary Treatment	NA	NA			Percent Capacity
Tertiary Treatment	NA	NA			(actual flow/design) 60%
Overall Treatment	94.8	95.4	89.2	NA	

**MONTHLY REPORT OF OPERATION
ACTIVATED SLUDGE TYPE WASTEWATER
TREATMENT PLANT - STANDARD**

State Form 53463 (R7 / 2-23)

Name of Facility	Permit Number	For Month Of:	Year
Tamirix Lake	IN0043681	April	2024

Day Of Month	SLUDGE TO DIGESTER		DIGESTER OPERATION												
			Anaerobic Only			Supernatant Withdrawn hrs. or Gal. x 1000	Supernatant BOD 5 mg/l or NH3-N mg/l	Total Solids in Incoming Sludge - %	Total Solids in Digested Sludge - %	Volatile Solids in Incoming Sludge - %	Volatile Solids in Digested Sludge - %	Digested Sludge Withdrawn hrs. or Gal. x 1000			
	pH	Gas Production Cubic Ft. x 1000	Temperature - F												
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
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24															
25															
26															
27															
28															
29															
30															
Avg.															
Max.															
Min.															
Data	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Once completed, this form should be converted to a pdf document, named appropriately & attached to the corresponding netDMR for submittal