



700 West Liberty Street | Louisville, KY 40203-1911
Phone: 502.540.6000 | LouisvilleMSD.org

May 16, 2023

Crystal Dennis
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**RE: Lakewood STP, KPDES No: KY0039870
Discharge Monitoring Report for April 2023.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) for the Lakewood STP, for the month April 2023.

There were no overflows, exceedances or bypasses.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5858.

Sincerely,

Curt Otto
Process Supervisor

CEO/ AA 04/23.

Cc: V. Teague, B. Tinnel

DMR Copy of Record

Permit			
Permit #:	KY0039870	Permittee:	Louisville and Jefferson County MSD
Major:	No	Permittee Address:	700 W Liberty St Louisville, KY 40203
Permitted Feature:	001 External Outfall	Discharge:	001-1 Domestic Wastewater
Facility:	LAKEWOOD VALLEY SUBDIVISION WWTP		
Facility Location:	3999 WAINO DR CRESTWOOD, KY 40014		

Report Dates & Status			
Monitoring Period:	From 04/01/23 to 04/30/23	DMR Due Date:	05/28/23
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	James	Title:	Executive Director
Last Name:	Parrot	Telephone:	502-540-6000

No Data Indicator (NODI)
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type				
					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	0	--	Sample						=	7.07					19 - mg/L	01/07 - Weekly	GR - GRAB		
					Permit Req.						>=	7.0 INST MIN						19 - mg/L	01/07 - Weekly	GR - GRAB	
					Value NODI																
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.52					12 - SU	01/07 - Weekly	GR - GRAB		
					Permit Req.						>=	6.0 MINIMUM						12 - SU	01/07 - Weekly	GR - GRAB	
					Value NODI																
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample							<	6.0				19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.							<=	30.0 MO AVG					19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Value NODI																
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	12.5				19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.													19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Value NODI																
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample							=	0.28				19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.													19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Value NODI																
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample							=	2.63				19 - mg/L	01/07 - Weekly	24 - COMP24		
					Permit Req.													19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI																
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.052	=	0.138	03 - MGD								01/07 - Weekly	IN - INSTAN		
					Permit Req.															01/07 - Weekly	IN - INSTAN
					Value NODI																
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample							<	0.01				19 - mg/L	01/07 - Weekly	GR - GRAB		
					Permit Req.														19 - mg/L	01/07 - Weekly	GR - GRAB
					Value NODI																
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	36.0				13 - #/100mL	01/07 - Weekly	GR - GRAB		
					Permit Req.														13 - #/100mL	01/07 - Weekly	GR - GRAB
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample							=	8.0				19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.														19 - mg/L	01/07 - Weekly	CP - COMPOS
					Value NODI																

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent 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
No errors.

Comments

Attachments		
Name	Type	Size

202304_LAKEWOOD_COVERLETTER.pdf	pdf	32028.0
202304_Lakewood_LAB.pdf	pdf	398607.0

Report Last Saved By

Louisville and Jefferson County MSD

User: CURT.OTTO@LOUISVILLEMSD.ORG
Name: Curt Otto
E-Mail: curt.otto@louisvillemmsd.org
Date/Time: 2023-05-17 10:27 (Time Zone: -04:00)

Report Last Signed By

User: CURT.OTTO@LOUISVILLEMSD.ORG
Name: Curt Otto
E-Mail: curt.otto@louisvillemmsd.org
Date/Time: 2023-05-17 10:35 (Time Zone: -04:00)

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Beckmar Certificate Of Analysis 230404025

230404025.01			Collection Date: 04/04/2023 10:00 AM				Sampled By: Jacob Bayless			
Project: Lakewood Valley WQTC - Winter			Sample Description: T408EFF				Matrix: Wastewater			
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst	
CBOD	CBOD	7	mg/L	4	4	C24	SM 5210B (2011)	04/05/2023 01:00 PM	MDC	
Nitrate	Nitrate-N	10.1	mg/L	0.006	0.2	C24	SM 4110B 22nd Ed.	04/04/2023 04:08 PM	AJG	
Nitrite	Nitrite-N	< 0.2	mg/L	0.008	0.2	C24	SM 4110B 22nd Ed.	04/04/2023 04:08 PM	AJG	
Total Nitrogen	Total Nitrogen	11.1	mg/L			C24	SM 4500N A	04/12/2023 10:17 AM	JARS	
Total Suspended Solids	Total Suspended Solids	<6	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/05/2023 06:00 PM	SKP	

230404025.02			Collection Date: 04/04/2023 10:00 AM				Sampled By: Jacob Bayless			
Project: Lakewood Valley WQTC - Winter			Sample Description: T408EFF				Matrix: Wastewater			
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst	
Ammonia as N	Ammonia	<0.2	mg/L	0.2	0.2	C24	SM 4500-NH3 D (2011)	04/05/2023 06:40 PM	SKP	
Total Kjeldahl Nitrogen	Total Kjeldahl Nitrogen (TKN)	0.8	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	04/10/2023 04:50 PM	SKP	
Total Phosphorous	Total Phosphorus	2.34	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/05/2023 05:00 PM	MDC	

230404025.03			Collection Date: 04/03/2023 09:57 AM				Sampled By: Tanner Bryant			
Project: Lakewood Valley WQTC - Winter			Sample Description: T408EFF				Matrix: Wastewater			
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst	
E-Coli / WW	E. coli	3	col/100mL	1	1	Grab	SM 9223B	04/03/2023 03:20 PM	MDC	

230404025.04			Collection Date: 04/03/2023 09:57 AM				Sampled By: Tanner Bryant			
Project: Lakewood Valley WQTC - Winter			Sample Description: T408EFF				Matrix: Wastewater			
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst	
pH	pH	8.61	SU			Grab	SM4500 H+ B	04/03/2023 09:57 AM	WTB	
D.O.	Dissolved Oxygen	7.07	mg/L	0.1		Grab	SM 4500-O G 21st	04/03/2023 09:57 AM	WTB	
Chlorine-Total	Chlorine, Total	<0.01	mg/L	0.01		Grab	HACH 8167	04/03/2023 09:57 AM	WTB	

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Beckmar Certificate Of Analysis 230404025

230404025.04

Collection Date: 04/03/2023 09:57 AM

Sampled By: Tanner Bryant

Project: Lakewood Valley WQTC -
Winter

Sample Description: T408EFF

Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Temperature	Temperature	13.2	C			Grab	SM 2550B 21st	04/03/2023 09:57 AM	WTB

Thank You,



Paul Barker
Lab Manager

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Beckmar Certificate Of Analysis 230411023

230411023.01			Collection Date: 04/11/2023 09:02 AM				Sampled By: Jacob Bayless			
Project: Lakewood Valley WQTC - Winter			Sample Description: T408EFF				Matrix: Wastewater			
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst	
CBOD	CBOD	7	mg/L	4	4	C24	SM 5210B (2011)	04/12/2023 04:15 PM	MDC	
Nitrate	Nitrate-N	9.4	mg/L	0.006	0.2	C24	SM 4110B 22nd Ed.	04/11/2023 04:55 PM	AJG	
Nitrite	Nitrite-N	< 0.2	mg/L	0.008	0.2	C24	SM 4110B 22nd Ed.	04/11/2023 04:55 PM	AJG	
Total Nitrogen	Total Nitrogen	10.5	mg/L			C24	SM 4500N A	04/20/2023 10:50 AM	JARS	
Total Suspended Solids	Total Suspended Solids	<6	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/12/2023 06:00 PM	SKP	

230411023.02			Collection Date: 04/11/2023 09:02 AM				Sampled By: Jacob Bayless			
Project: Lakewood Valley WQTC - Winter			Sample Description: T408EFF				Matrix: Wastewater			
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst	
Ammonia as N	Ammonia	<0.2	mg/L	0.2	0.2	C24	SM 4500-NH3 D (2011)	04/12/2023 06:49 PM	SKP	
Total Kjeldahl Nitrogen	Total Kjeldahl Nitrogen (TKN)	0.9	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	04/18/2023 05:12 PM	SKP	
Total Phosphorous	Total Phosphorus	2.78	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/13/2023 03:00 PM	MDC	

230411023.03			Collection Date: 04/10/2023 09:00 AM				Sampled By: Jacob Bayless			
Project: Lakewood Valley WQTC - Winter			Sample Description: T408EFF				Matrix: Wastewater			
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst	
E-Coli / WW	E. coli	1	col/100mL	1	1	Grab	SM 9223B	04/10/2023 01:20 PM	MRC	

230411023.04			Collection Date: 04/10/2023 09:10 AM				Sampled By: Jacob Bayless			
Project: Lakewood Valley WQTC - Winter			Sample Description: T408EFF				Matrix: Wastewater			
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst	
pH	pH	8.20	SU			Grab	SM4500 H+ B	04/10/2023 09:10 AM	JTB	
D.O.	Dissolved Oxygen	10.5	mg/L	0.1		Grab	SM 4500-O G 21st	04/10/2023 09:10 AM	JTB	
Chlorine-Total	Chlorine, Total	<0.01	mg/L	0.01		Grab	HACH 8167	04/10/2023 09:10 AM	JTB	

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Beckmar Certificate Of Analysis 230411023

230411023.04

Collection Date: 04/10/2023 09:10 AM

Sampled By: Jacob Bayless

Project: Lakewood Valley WQTC -
Winter

Sample Description: T408EFF

Matrix: Wastewater

Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Temperature	Temperature	11.8	C			Grab	SM 2550B 21st	04/10/2023 09:10 AM	JTB

Thank You,



Paul Barker
Lab Manager

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Beckmar Certificate Of Analysis 230425026

230425026.01		Collection Date: 04/25/2023 12:40 PM				Sampled By: Client			
Project: Lakewood E-Coli		Sample Description: Effluent Resample				Matrix: Wastewater			
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	< 1	col/100mL	1	1	Grab	SM 9223B	04/25/2023 03:50 PM	RLB

230425026.02		Collection Date: 04/25/2023 12:55 PM				Sampled By: Client			
Project: Lakewood E-Coli		Sample Description: Effluent Resample				Matrix: Wastewater			
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	< 1	col/100mL	1	1	Grab	SM 9223B	04/25/2023 03:50 PM	RLB

Thank You,



Paul Barker
Lab Manager

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Beckmar Certificate Of Analysis 230425031

230425031.01 **Collection Date:** 04/25/2023 11:30 AM **Sampled By:** Jacob Bayless
Project: Lakewood Valley WQTC - Winter **Sample Description:** T408EFF **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
CBOD	CBOD	7	mg/L	4	4	C24	SM 5210B (2011)	04/26/2023 02:00 PM	RLB
Nitrate	Nitrate-N	18.1	mg/L	0.006	0.2	C24	SM 4110B 22nd Ed.	04/25/2023 04:43 PM	AJG
Nitrite	Nitrite-N	0.5	mg/L	0.008	0.2	C24	SM 4110B 22nd Ed.	04/25/2023 04:43 PM	AJG
Total Nitrogen	Total Nitrogen	18.8	mg/L			C24	SM 4500N A	05/03/2023 10:02 AM	JARS
Total Suspended Solids	Total Suspended Solids	<6	mg/L	6	6	C24	SM 2540D 22nd Ed.	04/26/2023 03:43 PM	SKP

230425031.02 **Collection Date:** 04/25/2023 11:30 AM **Sampled By:** Jacob Bayless
Project: Lakewood Valley WQTC - Winter **Sample Description:** T408EFF **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Ammonia as N	Ammonia	0.5	mg/L	0.2	0.2	C24	SM 4500-NH3 D (2011)	04/26/2023 03:30 PM	JARS
Total Kjeldahl Nitrogen	Total Kjeldahl Nitrogen (TKN)	<0.2	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	05/01/2023 04:32 PM	SKP
Total Phosphorus	Total Phosphorus	2.75	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/27/2023 10:00 AM	AJG

230425031.03 **Collection Date:** 04/24/2023 11:35 AM **Sampled By:** Jacob Bayless
Project: Lakewood Valley WQTC - Winter **Sample Description:** T408EFF **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	60000	col/100mL	1	1	Grab	SM 9223B	04/24/2023 03:10 PM	PDB

230425031.04 **Collection Date:** 04/24/2023 11:40 AM **Sampled By:** Jacob Bayless
Project: Lakewood Valley WQTC - Winter **Sample Description:** T408EFF **Matrix:** Wastewater

Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
pH	pH	8.39	SU			Grab	SM4500 H+ B	04/24/2023 11:40 AM	JTB
D.O.	Dissolved Oxygen	10.0	mg/L	0.1		Grab	SM 4500-O G 21st	04/24/2023 11:40 AM	JTB
Temperature	Temperature	14.9	C			Grab	SM 2550B 21st	04/24/2023 11:40 AM	JTB

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Beckmar Certificate Of Analysis 230425031

230425031.04			Collection Date: 04/24/2023 11:40 AM				Sampled By: Jacob Bayless		
Project: Lakewood Valley WQTC - Winter			Sample Description: T408EFF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
230425031.05			Collection Date: 04/25/2023 11:40 AM				Sampled By: Jacob Bayless		
Project: Lakewood Valley WQTC - Winter			Sample Description: T408EFF				Matrix: Wastewater		
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
Chlorine-Total	Chlorine, Total	<0.01	mg/L	0.01		Grab	HACH 8167	04/25/2023 11:40 AM	JTB

Thank You,



Paul Barker
Lab Manager