



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: Lockwood STP, KPDES No: KY0054674
Discharge Monitoring Report for April 2023.**

Dear Ms. Dennis:

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

There were no exceedances, overflow or bypasses reports.

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 #:	KY0054674	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:	LOCKWOOD ESTATES SUBDIVISION WWTP		
Facility Location:	3718 BARBARA ANN BLVD 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						=	7.45					19 - mg/L	01/30 - Monthly	GR - GRAB		
					Permit Req.						>=	7.0 MINIMUM						19 - mg/L	01/30 - Monthly	GR - GRAB	
					Value NODI																
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.8					12 - SU	01/30 - Monthly	GR - GRAB		
					Permit Req.						>=	6.0 MINIMUM						12 - SU	01/30 - Monthly	GR - GRAB	
					Value NODI																
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample							<	6.0				19 - mg/L	01/30 - Monthly	CP - COMPOS		
					Permit Req.							<=	30.0 MO AVG					19 - mg/L	01/30 - Monthly	CP - COMPOS	
					Value NODI																
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	4.9				19 - mg/L	01/30 - Monthly	CP - COMPOS		
					Permit Req.													19 - mg/L	01/30 - Monthly	CP - COMPOS	
					Value NODI																
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.006	=	0.028	26 - lb/d		<	0.2				19 - mg/L	01/30 - Monthly	CP - COMPOS		
					Permit Req.	<=	3.75 MO AVG	<=	5.63 MX WK AV	26 - lb/d		<=	10.0 MO AVG					19 - mg/L	01/30 - Monthly	CP - COMPOS	
					Value NODI																
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample							=	0.71				19 - mg/L	01/30 - Monthly	CP - COMPOS		
					Permit Req.													19 - mg/L	01/30 - Monthly	CP - COMPOS	
					Value NODI																
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.014	=	0.025	03 - MGD								01/30 - Monthly	IN - INSTAN		
					Permit Req.															01/30 - Monthly	IN - INSTAN
					Value NODI																
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample							<	0.01				19 - mg/L	01/30 - Monthly	GR - GRAB		
					Permit Req.														19 - mg/L	01/30 - Monthly	GR - GRAB
					Value NODI																
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	59.0				13 - #/100mL	01/30 - Monthly	GR - GRAB		
					Permit Req.														13 - #/100mL	01/30 - Monthly	GR - GRAB
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	0.113	=	0.57	26 - lb/d		<	4.0				19 - mg/L	01/30 - Monthly	CP - COMPOS		
					Permit Req.	<=	9.38 MO AVG	<=	14.07 MX WK AV	26 - lb/d		<=	25.0 MO AVG					19 - mg/L	01/30 - Monthly	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_Lockwood_LAB.pdf	pdf	123005.0
202304_LOCKWOOD_COVERLETTER.pdf	pdf	31075.0

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 10:29 (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)

Metropolitan Sewer District - OC
P.O. Box 740011
Louisville, KY, 40201

Page 1 of 2

Beckmar Certificate Of Analysis 230405013

230405013.01			Collection Date: 04/04/2023 11:30 AM					Sampled By: Jacob Bayless	
Project: Lockwood WQTC - Winter			Sample Description: T412EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
CBOD	CBOD	<4	mg/L	4	4	C24	SM 5210B (2011)	04/05/2023 01:00 PM	MDC
Nitrate	Nitrate-N	4.3	mg/L	0.006	0.2	C24	SM 4110B 22nd Ed.	04/06/2023 10:31 AM	AJG
Nitrite	Nitrite-N	< 0.2	mg/L	0.008	0.2	C24	SM 4110B 22nd Ed.	04/06/2023 10:31 AM	AJG
Total Nitrogen	Total Nitrogen	4.9	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

230405013.02			Collection Date: 04/04/2023 11:30 AM					Sampled By: Jacob Bayless	
Project: Lockwood WQTC - Winter			Sample Description: T412EFF					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)	0.4	mg/L	0.2	0.2	C24	SM 4500-Norg/D 22nd Ed.	04/10/2023 04:50 PM	SKP
Total Phosphorous	Total Phosphorus	0.71	mg/L	0.03	0.03	C24	SM 4500-P B.5/E 22nd	04/05/2023 05:00 PM	MDC

230405013.03			Collection Date: 04/03/2023 11:28 AM					Sampled By: Tanner Bryant	
Project: Lockwood WQTC - Winter			Sample Description: T412EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
E-Coli / WW	E. coli	59	col/100mL	1	1	Grab	SM 9223B	04/03/2023 03:20 PM	MDC

230405013.04			Collection Date: 04/03/2023 11:28 AM					Sampled By: Tanner Bryant	
Project: Lockwood WQTC - Winter			Sample Description: T412EFF					Matrix: Wastewater	
Test Name	Parameter	Result	Unit	MDL	MRL	Type	Method	Analyzed Date/Time	Analyst
pH	pH	7.80	SU			Grab	SM4500 H+ B	04/03/2023 11:28 AM	WTB
D.O.	Dissolved Oxygen	7.45	mg/L	0.1		Grab	SM 4500-O G 21st	04/03/2023 11:28 AM	WTB
Chlorine-Total	Chlorine, Total	<0.01	mg/L	0.01		Grab	HACH 8167	04/03/2023 11:28 AM	WTB
Temperature	Temperature	11.1	C			Grab	SM 2550B 21st	04/03/2023 11:28 AM	WTB



Jeffersontown Business Park
3251 Ruckriegel Parkway
Jeffersontown, KY 40299
502.266.6533
Fax: 502.266.6446
www.beckmarlab.com

Metropolitan Sewer District - OC
P.O. Box 740011
Louisville, KY, 40201

Page 2 of 2

Beckmar Certificate Of Analysis 230405013

Thank You,

A handwritten signature in black ink that reads "Paul D. Barker".

Paul Barker
Lab Manager