

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

June 5, 2024

Ms. Crystal Dennis Kentucky Division of Water 300 Sower Blvd., 3rd Floor Frankfort, Kentucky 40601

Re: Derek Guthrie Water Quality Treatment Center KPDES Permit No. KY0078956, Discharge monitoring report for May 2024.

Dear Ms. Crystal Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Derek Guthrie WQTC, KPDES No: KY0078956, for the month of May 2024.

Also attached is overflow report

There were no bypasses or exceedances.

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

Sincerely.

Staci Huber

Process Supervisor, West Region

SMH/West County 5/24

Enclosures

cc: B. Tinnell

V. Graves

M. Saylor

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit				
Permit #:	KY0078956	Permittee:	Derek R Guthrie WQTC MSD	Facility:
Major:	Vac	Permittee Address:	700 W Liberty St	Facility Location:

DMR Due Date:

Yes Permittee Address: 700 W Liberty St Louisville, KY 40203 Facility Location: 11621 LOWER RIVER RD LOUISVILLE, KY 40272

Status:

06/28/24

DEREK R GUTHRIE WQTC MSD

NetDMR Validated

Permitted Feature: 001 Discharge: 001-1

External Outfall SANITARY WASTEWATER

Monitoring Period: From 05/01/24 to 05/31/24

Considerations for Form Completion

Parameter 00610 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

Principal Executive Officer

Report Dates & Status

First Name: James A Title: Executive Director Telephone: 502-540-6000

Last Name: Parrott

No Data Indicator (NODI)

Form NODI: --

	Parameter	Monitoring Location	Season # Pa	aram. NODI		Q	uantity or Lo	ading		Quality or Concentration							# of E	. Frequency of Analysis	Sample Type
Code	Name				Qualifie	er 1 Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier		Units			
				Sam	ple					=	4.0					19 - mg/L		01/01 - Daily	GR - GRAB
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	Permi	Req.					>=	2.0 INST MIN					19 - mg/L	0	01/01 - Daily	GR - GRAB
				Value	NODI														
				San	ple =	5034.0	=	7458.0	26 - lb/d			=	9.0	=	10.0	19 - mg/L		01/01 - Daily	24 - COMP24
0310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	Permi	Req. <=	15021.0 MO AVG	<=	22532.0 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=		19 - mg/L		01/01 - Daily	24 - COMP24
0310	BOD, 3-uay, 20 deg. C	1 - Lindent Oloss	0	Value	NODI														
				Sam	ple							=	323.0	=	439.0	19 - mg/L		01/01 - Daily	CP - COMPOS
0040	POD E day 20 day C	0	Permi									Req Mon MO AVO		Req Mon MX WK AV				24 - COMP24	
0310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	Value	NODI												_ 0		
				San							6.9			=	7.3	12 - SU	+	01/01 - Daily	GR - GRAB
10.400		4. Efficient Occasi		Pormi							6.0 MINIMUM			<=		12 - SU	0	,	GR - GRAB
0400	pH 1 - Effluent Gross	1 - Elliuent Gross	0	Value													_ 0		
				San	ple =	4213.0	=	6603.0	26 - lb/d			=	7.0	=	9.0	19 - mg/L		01/01 - Daily	CP - COMPOS
0530	Solids, total suspended	1 - Effluent Gross	0	Permi	Reg. <=	15021.0 MO AVG		22532.0 MX WK AV						<=		19 - mg/L		-	24 - COMP24
0550	olius, total suspenueu	1 - Elliuerit Gloss		Value	NODI												_ 0		
				Sam	ple							=	537.0	=	760.0	19 - mg/L		01/01 - Daily	CP - COMPOS
0530	Solids, total suspended	G - Raw Sewage Influent	0	Permi	Req.								Req Mon MO AVO	3	Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	24 - COMP24
0000	conds, total suspended	G Raw Gewage militerit		Value	NODI														
				Sam	ple							=	9.0	=	11.0	19 - mg/L	\top	01/07 - Weekly	CP - COMPOS
0600	Nitrogen, total [as N]	1 - Effluent Gross	0	Permi	Req.								Req Mon MO AVG	3	Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
0000	The ogon, total [ao 11]	7 Emaon Grood		Value	NODI														
				San	ple							=	25.0	=	46.0	19 - mg/L		01/07 - Weekly	CP - COMPOS
0600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	Permi	Req.								Req Mon MO AVO	3	Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
	The ogon, total [ao 11]	o nan conago iiiiaoiii		Value	NODI														
				San	ple							=	1.0	=	2.0	19 - mg/L		01/01 - Daily	CP - COMPOS
0610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	Permi	Req.							<=	20.0 MO AVG	<=	30.0 MX WK AV	19 - mg/L	0	01/01 - Daily	24 - COMP24
2010	The ogon, annionia total [ao 14]	. Emaon oroso		Value	NODI														
				San	ple							=	1.0	=	2.0	19 - mg/L		01/07 - Weekly	CP - COMPOS
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	Permi	Req.								Req Mon MO AVG	3	Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
,0000	i ilospilorus, total [as F]	Lindent Oross	0														U		

				Sample								=	5.9	=		19 - mg/L		01/07 - Weekly	CP - COMPOS
rus, total [as P]	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
,				Value NODI															
				Sample =	60	3.667 =	=	74.959	03 - MGD									99/99 - Continuous	CN - CONTIN
conduit or thru treatment plant	1 - Effluent Gross	0		Permit Req.	R	eq Mon MO AVG		Req Mon MX WK AV	03 - MGD								0	99/99 - Continuous	RC - Recorder (auto)
				Value NODI															
				Sample =	60	3.148 =	=	77.834	03 - MGD									99/99 - Continuous	CN - CONTIN
conduit or thru treatment plant	G - Raw Sewage Influent	0		Permit Req.	R	eq Mon MO AVG		Req Mon MX WK AV	03 - MGD								0	99/99 - Continuous	RF - RCDFLO
	o man comago minacin			Value NODI															
				Sample								<	0.016	<	0.016	19 - mg/L		01/01 - Daily	GR - GRAB
total residual	1 - Effluent Gross	0		Permit Req.								<=	0.019 MO AVG	<=	0.019 MX WK AV	19 - mg/L	0	01/01 - Daily	GR - GRAB
,		-		Value NODI													_		
				Sample								=	29.0	=	99.0	13 - #/100mL		01/01 - Daily	GR - GRAB
	1 - Effluent Gross	0		Permit Req.								<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL	0	01/01 - Daily	GR - GRAB
				Value NODI															
				Sample						=	97.0					23 - %		01/30 - Monthly	CA - CALCTD
av. percent removal	K - Percent Removal	0		Permit Req.					>	>=	85.0 MO AV MN					23 - %	0	01/30 - Monthly	CA - CALCTD
,,				Value NODI															
				Sample					-	=	99.0					23 - %		01/30 - Monthly	CA - CALCTD
uspended percent removal	K - Percent Removal	0		Permit Req.					>	>=	85.0 MO AV MN					23 - %	0	01/30 - Monthly	CA - CALCTD
condo, caoponaca percent removal				Value NODI													_		
con , to	duit or thru treatment plant duit or thru treatment plant tal residual percent removal	aduit or thru treatment plant 1 - Effluent Gross 1 - Raw Sewage Influent 1 - Effluent Gross 1 - Effluent Gross 1 - Effluent Gross K - Percent Removal	Induit or thru treatment plant 1 - Effluent Gross 0 Induit or thru treatment plant G - Raw Sewage Influent 0 Ital residual 1 - Effluent Gross 0 1 - Effluent Gross 0 Percent removal K - Percent Removal 0	Induit or thru treatment plant 1 - Effluent Gross 0 Induit or thru treatment plant G - Raw Sewage Influent 1 - Effluent Gross 0 1 - Effluent Gross 0 1 - Effluent Gross 0 Percent removal K - Percent Removal 0	Value NoDI Sample Permit Req. Value NoDI	Value NODI Sample 6 Permit Req. Req. Value NODI	Value NODI Val	Value NODI Sample G3.667 =	Value NODI Sample = 63.667 = 74.959 Req Mon MX WK AV Value NODI Adult or thru treatment plant G - Raw Sewage Influent T - Effluent Gross O Sample = 63.148 = 77.834 Permit Req. Req Mon MO AVG Req Mon MX WK AV Value NODI T - Effluent Gross O Sample Permit Req. Value NODI T - Effluent Gross O Sample Permit Req. Value NODI T - Effluent Gross O Sample Permit Req. Value NODI T - Effluent Gross O Sample Permit Req. Value NODI T - Effluent Removal K - Percent Removal O Sample Permit Req. Value NODI T - Sample Permit Req. Value NODI	Value NODI Sample = 63.667 = 74.959 03 - MGD Permit Req. Req Mon MO AVG Req Mon MX WK AV 03 - MGD Value NODI Sample = 63.667 = 74.959 03 - MGD Permit Req. Req Mon MO AVG Req Mon MX WK AV 03 - MGD Value NODI Sample = 63.148 = 77.834 03 - MGD Permit Req. Req Mon MO AVG Req Mon MX WK AV 03 - MGD Value NODI Tal residual 1 - Effluent Gross 0	Value NODI Val	Value NODI Sample 63.667 = 74.959 03 - MGD	Value NOD Val	Value NOD Val	Value NODI	Value NOD Val	Value NODI Sample 63.667 74.959 03 - MGD	Value NOD Val	Value NOD Val

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	Туре	Size
DRGOverflow.pdf	pdf	55468.0
DRGCover0524.pdf	pdf	37508.0
WCMOR061318052024.XLS	xls	138240.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User: staci.huber@louisvillemsd.org

Name: Staci Huber

E-Mail: staci.huber@louisvillemsd.org

Date/Time: 2024-06-10 09:18 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org

Name: Staci Huber

E-Mail: staci.huber@louisvillemsd.org

Date/Time: 2024-06-17 10:47 (Time Zone: -04:00)



IMSAST0004 Overflow Report 5/1/2024 12:00:00 AM to 5/31/2024 12:00:00 AM

KPDES#	Facility ID	Water Q	uality Treatm	ent Center	Recieving Stea	m of Discharge	Region							
KY0078956	MSD0277 DEREK R. GUTHRIE			OHIO RIVER		NA								
Facility Type			If Pump Station	, Name of Statio	n	Recieving Str	eam	Discharge To						
Sewer Lift Station			IRBY LN	DEREK R. GUTHRIE			FERN CREEK	(STREAM					
Activity Code /	WO#	Ref#	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition			
Description							Lveiit Date	Froblem Desc	Kesuit	Completed	Condition			

Discharge Reporting:

Discharge Amount:	200 GAL
Cause:	POWER OUTAGE (LG&E).
Clean Up:	CLEANUP NOT POSSIBLE DUE TO MAGNITUDE OF STORM.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE FOUND IN THE RIVER.
Repair:	GENERATOR UTILIZED UNTIL POWER RESTORED.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

5/27/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV