

Phone: 502.540.6000 | LouisvilleMSD.org

700 West Liberty Street | Louisville, KY 40203-1911

March 18th 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 February 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 February 2024.

There were no bypasses, or exceedances for the Derek Guthrie WQTC.

Also attached is overflow report.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6031. Sincerely,

Curt Otto

Process Supervisor

KLT/West County 2/24

Enclosures

cc: B. Tinnell

V. Graves

M. Saylor

DMR Copy of Record

Da	rm	14	

Permit #: KY0078956

Permittee:

Derek R Guthrie WQTC MSD

Facility:
Facility Location:

DEREK R GUTHRIE WQTC MSD

Major: Yes

Permittee Address:

Title:

700 W Liberty St Louisville, KY 40203

11621 LOWER RIVER RD LOUISVILLE, KY 40272

Permitted Feature:

001 External Outfall Discharge:

SANITARY WASTEWATER

Report Dates & Status

Monitoring Period: From 02/01/24 to 02/29/24

DMR Due Date: 03/28/24

Status: NetDMR Validated

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

First Name:

Last Name:

James A Parrott **Executive Director**

001-1

Telephone:

502-540-6000

No Data Indicator (NODI)

	Parameter	Monitoring Location	Season #	Param. NODI				tity or Loa	ading					Quality or Conc				# of Ex	x. Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1 G	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier	2 Value 2	Qualifie	r 3 Value 3	Units			
					Sample						= 4.0	NICT MINI					19 - mg/L		01/01 - Daily	GR - GRAB
0300	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Req. Value NODI						>= 2.0 l	INST MIN					19 - mg/L	0	01/01 - Daily	GR - GRAB
					Sample	=	4902.0 =	:	6904.0	26 - lb/d			=	16.0	=	20.0	19 - mg/L		01/01 - Daily	CP - COMPOS
0210	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req.		15021.0 MO AVG <		22532.0 MX WK AV				<=	30.0 MO AVG		45.0 MX WK AV		20	,	24 - COMP24
0310	500, 5-day, 20 deg. C	1 - Lilidelit Gloss	U		Value NODI													20		
					Sample								=	577.0	=		19 - mg/L		01/01 - Daily	CP - COMPOS
0310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AV	G	Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	24 - COMP24
		-		1	Value NODI															
					Sample						= 6.9				=		12 - SU		·	GR - GRAB
0400	рН	1 - Effluent Gross	0		Permit Req.						>= 6.01	MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	01/01 - Daily	GR - GRAB
				1	Value NODI															
					Sample		4284.0 =			26 - lb/d			=	14.0	=		19 - mg/L	-		CP - COMPOS
0530	Solids, total suspended	1 - Effluent Gross	0		Permit Req.	<=	15021.0 MO AVG <	:=	22532.0 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L	0	01/01 - Daily	24 - COMP24
				1	Value NODI															
					Sample								=	1160.0	=	1501.0	19 - mg/L			CP - COMPOS
0530	Solids, total suspended	ids, total suspended G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AV	G	Req Mon MX WK AV	19 - mg/L	0	01/01 - Daily	24 - COMP24
				1	Value NODI															
					Sample								=	12.0	=		19 - mg/L		·	CP - COMPOS
0600	Nitrogen, total [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AV	G	Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
				1	Value NODI															
					Sample								=	58.0	=		19 - mg/L			CP - COMPOS
0600	Nitrogen, total [as N]	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AV	G	Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
				1	Value NODI															
					Sample								=	3.0	=		19 - mg/L		01/01 - Daily	CP - COMPOS
0610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0		Permit Req.								<=	20.0 MO AVG	<=	30.0 MX WK AV	19 - mg/L	0	01/01 - Daily	24 - COMP24
				1	Value NODI															
					Sample								=	3.0	=		19 - mg/L		·	CP - COMPOS
0665	Phosphorus, total [as P]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AV	G	Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
				1	Value NODI															
					Sample								=	18.2	=		19 - mg/L	-	01/07 - Weekly	CP - COMPOS
0665	Phosphorus, total [as P]	G - Raw Sewage Influent	0		Permit Req.									Req Mon MO AV	G	Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
				1	Value NODI															
					Sample		34.361 =			03 - MGD										CN - CONTIN
0050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0		Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								0	99/99 - Continuous	RC - Recorder (au
				1	Value NODI															
					Sample		35.473 =			03 - MGD								-		CN - CONTIN
0050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0		Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD								0	99/99 - Continuous	RF - RCDFLO
				1	Value NODI															

				Sample				<	0.016	<	0.016	19 - mg/L		01/01 - Daily	GR - GRAB
50060	0060 Chlorine, 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				=	13.0	=	108.0	13 - #/100mL		01/01 - Daily	GR - GRAB
51040	E. coli	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
81010	BOD, 5-day, percent removal	K - Percent Removal	0	 Permit Req.		>=	85.0 MO AV MN	1				23 - %	0	01/30 - Monthly	CA - CALCTD
	, , , ,			Value NODI											
				Sample		=	99.0					23 - %		01/30 - Monthly	CA - CALCTD
81011	Solids, suspended percent removal	K - Percent Removal	0	 Permit Req.		>=	85.0 MO AV MN	1				23 - %	0	01/30 - Monthly	CA - CALCTD
	,			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		Туре	Size
02_Feb_2024_Discharge_Report.pdf	pdf	9392	27.0
DRG_CL_FEB2024.pdf	pdf	3687	78.0
DEREK_GUTHRIE_WQTC_PC022024.xls	xls	8448	80.0
WCMOR061318022024.xls	xls	1372	216.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemsd.org

Date/Time: 2024-03-18 10:58 (Time Zone: -04:00)

Report Last Signed By

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemsd.org

Date/Time: 2024-03-18 11:01 (Time Zone: -04:00)

KPDES#	Facility ID	Water 0	Quality Treatm	ent Center	Recieving Stea	am of Discharge	Region				
KY0102784	MSD0294	FLOYD	S FORK		FLOYDS FORK	(NA				
Facility Type	Facility ID	Facility	Address	If Pump Station	n, Name of Statio	on	Recieving St	ream	Discharge To		
Sewer Main	112308E-V	1707 S STATIC	ENGLISH N RD	FLOYDS FORK			FLOYDS FOR	RK	GROUND		
Activity Code / Description	WO#	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISDW:DRY WEATHER DISCHARGE	3752983		2/7/2024 12:00:00 PM	SOSA I RODRIGUEZ	SOSA RODRIGUEZ	REPAIRED - ISSUE RESOLVED	2/7/2024 12:00:00 AM	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE- WATERS	02/08/24 06:06 AM	

Discharge Reporting:

Discharge Amount:	25 GAL
Cause:	STRUCTURAL FAILURE (FORCE MAIN BREAK).
Clean Up:	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/WATER DISCHARGING FROM DOWN SPOUT.
Repair:	MSD CONTRACTOR REPAIRED THE MAIN SEWER.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

2/7/24 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/7/24 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

3/12/2024 Page 1 of 5 1:50:25 PM



KPDES#	Facility ID	Water 0	Quality Treatm	ent Center	Recieving Stea	am of Discharge	Region				
KY0078956	MSD0277	DEREK	R. GUTHRIE		OHIO RIVER		NA				
Facility Type	Facility ID	Facility	Address	If Pump Statio	on, Name of Statio	on	Recieving St	ream	Discharge To		
Sewer Manhole	47478	5901 F WAY	PAGEANT	DEREK R. GU	THRIE		BIG RUN		DITCH		
Activity Code / Description	WO#	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISDW:DRY WEATHER DISCHARGE	3756543		2/16/2024 4:40:00 PM	BOWLIN JR		REPAIRED - ISSUE RESOLVED	2/16/2024 12:00:00 AM	GREASE BLOCKAGE	UNAUTHORIZED DISCHARGE- WATERS	02/17/24 05:05 PM	MAIN

Discharge Reporting:

Discharge Amount:	625 GAL
Cause:	GREASE IN MAIN SEWER.
Clean Up:	MSD PERSONNEL WILL CLEAN IMPACTED AREA.
Control Zone:	MSD PERSONNEL ADVISED THE CUSTOMER TO AVOID CONTACT WITH SEWAGE.
Impact:	SEWAGE / DEBRIS AROUND MANHOLE.
Repair:	FLUSHED THE MAIN SEWER TO REMOVE OBSTRUCTION.
Public Notification:	ADVISED CUSTOMER ON SITE.

Notifications:

2/18/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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KPDES#	Facility ID	Water C	Quality Treatm	ent Center	Recieving Stea	am of Discharge	Region				
KY0098540	MSD0289	CEDAR	CREEK		CEDAR CREE	K	NA				
Facility Type	Facility ID	Facility	Address	If Pump Statio	on, Name of Statio	on	Recieving St	ream	Discharge To		
Sewer Manhole	85505	6902 E RD	BARDSTOWN	CEDAR CREE	K		CEDAR CREI	EK	STREAM		
Activity Code / Description	WO#	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISDW:DRY WEATHER DISCHARGE	3753576		2/11/2024 4:45:00 PM	BEASLEY	BEASLEY	REPAIRED - ISSUE RESOLVED	2/11/2024 12:00:00 AM	OBSTRUCTION-NOT GREASE / ROOTS	UNAUTHORIZED DISCHARGE- WATERS	02/11/24 07:57 PM	

Discharge Reporting:

Discharge Amount:	100 GAL
Cause:	OBSTRUCTION IN MAIN SEWER.
Clean Up:	NO CLEAN UP PERFORMED.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND MANHOLE.
Repair:	ROOT CUT MAIN SEWER AND RESOTRED FLOW.
Public Notification:	ADVISED CUSTOMER ON SITE.

Notifications:

2/13/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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KPDES #	Facility ID	Water C	Quality Treatm	ent Center	Recieving Ste	am of Discharge	Region				
KY0034185	MSD0512	PIONEE	R VILLAGE #1	I	BROOKS RUN						
Facility Type	Facility ID	Facility	Address	If Pump Statio	on, Name of Station	on	Recieving St	ream	Discharge To		
Sewer Lift Station	MSD2021-PS	165 O	CTAGON AVE	PIONEER VILL	_AGE #1		BROOKS RUN		STREAM		
Activity Code / Description	WO#	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3764547		2/22/2024 2:46:00 PM	SANTEE	SANTEE	DOCUMENTED	12/21/2022 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/24/24 02:14 PM	

Discharge Reporting:

Discharge Amount:	42,800 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	NO CLEAN UP PERFORMED – PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE FOUND IN THE STREAM.
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.
Public Notification:	PLACED TEMPORARY SIGNS AROUND IMPACTED AREA.

Notifications:

2/23/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/23/24 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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KPDES#	Facility ID	Water Q	uality Treatm	ent Center	Recieving Stea	m of Discharge	Region				
KY0034185	MSD0512	PIONEE	R VILLAGE #1		BROOKS RUN						
Facility Type	Facility ID	Facility	Address	If Pump Station	, Name of Station	n	Recieving Str	ream	Discharge To		
Sewer Lift Station	MSD2021-PS	165 OC	CTAGON AVE	PIONEER VILLA	AGE #1		BROOKS RUI	N	STREAM		
Activity Code / Description	WO#	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
Description				miliatou Dy	Assigned 10	Disii Status	Event Date	Problem Desc	Result	Completed	Condition

Discharge Reporting:

Discharge Amount:	91,100 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	CLEANUP NOT POSSIBLE DUE TO MAGNITUDE OF STORM.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE FOUND IN THE STREAM.
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

2/28/24 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/28/24 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION