



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

July 11, 2022

Ms. Crystal Dennis  
Kentucky Division of Water  
200 Fair Oaks Lane  
Frankfort, Kentucky 40601

**Re: Derek Guthrie Water Quality Treatment Center  
KPDES Permit No. KY0078956,  
Discharge monitoring report for June 2022.**

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 June 2022.

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

Also, attached are overflow reports.

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

Kevin Thompson  
Process Supervisor, West Region

KLT/West County 06/22

Enclosures

cc: B. Tinnell  
V. Graves  
M. Saylor



50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample						<	0.016	<	0.016	19 - mg/L	01/01 - Daily	GR - GRAB
					Permit Req.					<=	0.019 MO AVG	<=	0.019 MX WK AV	19 - mg/L	0	01/01 - Daily	GR - GRAB
					Value NODI												
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	13.0	=	23.0	13 - #/100mL	01/01 - Daily	GR - GRAB
					Permit Req.					<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL	0	01/01 - Daily	GR - GRAB
					Value NODI												
81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample					=	97.0				23 - %	01/30 - Monthly	CA - CALCTD
					Permit Req.					>=	85.0 MO AV MN				0	01/30 - Monthly	CA - CALCTD
					Value NODI												
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	99.0				23 - %	01/30 - Monthly	CA - CALCTD
					Permit Req.					>=	85.0 MO AV MN				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	Type	Size
0622_coverletter_DRG.pdf	pdf	36778.0
0622_MOR_DRG.pdf	pdf	143672.0
0622_overflow_DRG.pdf	pdf	192816.0

**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: 2022-07-14 08:31 (Time Zone: -04:00)

**Report Last Signed By**

User: kevin.thompson@louisvillemsd.org  
 Name: Kevin Thompson  
 E-Mail: kevin.thompson@louisvillemsd.org  
 Date/Time: 2022-07-15 12:41 (Time Zone: -04:00)

## DMR Copy of Record

Permit																					
Permit #:	KY0078956			Permittee:	Derek R Guthrie WQTC MSD				Facility:	DEREK R GUTHRIE WQTC MSD											
Major:	Yes			Permittee Address:	700 W Liberty St Louisville, KY 40203				Facility Location:	11621 LOWER RIVER RD LOUISVILLE, KY 40272											
Permitted Feature:	001 External Outfall			Discharge:	001-2 QUARTERLY BIOMONITORING																
Report Dates & Status																					
Monitoring Period:	From 04/01/22 to 06/30/22			DMR Due Date:	07/28/22				Status:	NetDMR Validated											
Considerations for Form Completion																					
Principal Executive Officer																					
First Name:	James A.			Title:	Executive Director				Telephone:	502-540-6000											
Last Name:	Parrott																				
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				
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample Permit Req.										<	1.0	2F - tox acute	0	01/90 - Quarterly	24 - COMP24	
					Value NODI										<=	1.0 MAXIMUM	2F - tox acute				
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																					
No attachments.																					
Report Last Saved By																					
Derek R Guthrie WQTC MSD																					
User:	kevin.thompson@louisvillemsd.org																				
Name:	Kevin Thompson																				
E-Mail:	kevin.thompson@louisvillemsd.org																				
Date/Time:	2022-07-11 11:46 (Time Zone: -04:00)																				
Report Last Signed By																					
User:	kevin.thompson@louisvillemsd.org																				
Name:	Kevin Thompson																				
E-Mail:	kevin.thompson@louisvillemsd.org																				
Date/Time:	2022-07-15 12:41 (Time Zone: -04:00)																				

Name of Sewage Treatment Plant West County WTP County Jefferson Month of: June 2022  
 KPDES Permit Number: KY0078956 Plant Capacity: 30 MGD Receiving Stream: Ohio River

Date	Total Flow (MG)		Raw Sewage		pH		Settleable Solids (mL/L)			Dissolved Oxygen (mg/L)			Suspended Solids (mg/L)			Total Solids (mg/L)			5-day BOD (mg/L)			Activated Sludge		Aeration Basin						Phosphorus mg/L		Chlorine Residual (mg/L)		Final NH3-N (mg/L)		Final E. Coli (MPN)		Total mg/L		Cr +6 mg/L					
	Raw	Final	Raw	Final	Raw	Final	Stream Above	Final	Stream Below	Raw	Primary (or Sec.)	Final	Raw	Primary (or Sec.)	Final	Raw	Primary (or Sec.)	Final	Raw	Primary (or Sec.)	Final	Gal/Day	MLSS mg/L X 1000	Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	(mg/L) X 1000 #1&#2	MLVSS (mg/L) X 1000	30 min. SVI	60 min. SVI	% Solids	Raw	Final	Final	Final	Raw	Final	Raw	Final	Raw	Final				
1	22.22		7.2	7.2					7.3			616.0		6.0				163.0		11.0		5760					3280		180				4.61	2.12	0.016	0.42	2	30	13						
2	45.52		7.0	7.0					7.0			206.0		7.0				173.0		12.0		9240					1920		120						0.016	0.99	31								
3	30.96		7.1	7.3					7.4			298.0		5.0				228.0		5.0		5600					3620		200						0.016	0.40	17								
4	23.58		7.2	7.2					7.7			344.0		5.0				306.0		6.0		5240					3020		170						0.016	0.48	19								
5	23.53		7.0	7.3					7.6			420.0		6.0				358.0		6.0		5980					3280	2560	200						0.016	1.10	44								
6	22.91		7.0	7.2					7.1			804.0		6.0				396.0		8.0		6480					2700		200						0.016	1.10	10								
7	46.13		7.0	6.9					7.1			356.0		5.0				242.0		17.0		7320					2510	1950	180						0.016	0.76	24								
8	31.42		7.0	7.0					7.2			290.0		4.0				250.0		6.0		5940					3490	2800	210		8.76	1.09	0.016	0.37	4										
9	28.36		7.1	7.3					7.0			270.0		5.0				230.0		6.0		5640					3520		220						0.016	0.48	7								
10	25.38		7.1	7.1					7.7			276.0		5.0				225.0		6.0		6500					3400		230						0.016	0.40	4								
11	23.50		7.1	7.2					7.5			234.0		4.0				212.0		6.0		4760					3060		210						0.016	0.35	6								
12	23.30		7.2	7.1					7.3			280.0		4.0				254.0		5.0		5920					3320	2680	240						0.016	0.31	2	33	16						
13	23.95		7.1	7.1					7.0			312.0		5.0				296.0		7.0		5560					3500		230						0.016	0.20	16								
14	22.97		7.2	6.9					7.0			864.0		4.0				666.0		16.0		6140					3280	2570	230						0.016	1.10	18								
15	22.39		7.0	7.3					7.0			1240.0		6.0				667.0		8.0		5200					3160		200			26.20	1.88	0.016	0.62	63									
16	21.22		7.0	7.2					7.0			808.0		6.0				494.0		6.0		6320					3820		200						0.016	0.38	15								
17	22.49		7.1	7.2					7.0			512.0		4.0				382.0		7.0		5960					2640		180						0.016	0.43	28								
18	19.56		7.3	7.1					7.0			540.0		4.0				377.0		7.0		6700					2980		200						0.016	0.49	2								
19	20.26		7.3	7.1					7.0			788.0		5.0				520.0		6.0		5720					3080	2380	190						0.016	0.94	65								
20	20.08		7.1	7.2					7.0			667.0		6.0				441.0		8.0		5640					2660		190						0.016	0.38	2	53	16						
21	19.49		7.0	6.8					7.0			653.0		5.0				316.0		6.0		6220					3100.00		190						0.016	0.23	85								
22	20.88		7.2	7.1					7.0			680.0		9.0				465.0		10.0		5820					2800		170			5.39	2.85	0.016	0.91	94									
23	21.20		7.2	7.0					6.0			530.0		9.0				167.0		32.0		6940					2060.00		140						0.016	0.90	31								
24	19.73		7.3	7.1					6.0			560.0		6.0				457.0		14.0		5480					2700		170						0.016	0.77	87								
25	19.30		7.3	7.2					7.0			454.0		6.0				328.0		7.0		5380					2320		160						0.016	1.20	19								
26	24.59		7.2	7.2					7.0			714.0		6.0				409.0		10.0		5620					2660	2180	160						0.016	2.60	42	51	13						
27	58.10		7.0	7.0					7.0			410.0		11.0				285.0		34.0		8220					1640		100						0.016	3.00	2								
28	27.04		7.1	7.5					6.0			1150.0		6.0				420.0		7.0		5560					3980		210						0.016	0.62	9								
29	24.25		7.7	7.2					6.0			526.0		6.0				357.0		8.0		6800					5400		210						0.016	1.50	11								
30	22.20		7.2	7.3					7.0			644.0		4.0				388.0		6.0		7240					4120		220						0.016	1.80	4								
31																																													
Total	776.5	0	0																			0.0																							
Avg.	25.88		7.1	7.1					7.0			548.3		5.7				349.1		9.8		6163.33					3097.33	2445.71	190.33						11.24	1.99	0.016	0.84	13	41	15				

Industrial Connections: 36173  
34248  
1907  
 18  
 Sewer Connections X 3 = 102744

143766 Flow  
340507 BOD  
460845 TSS

Operator Kendrietta Hayes  
 Cert. # 25850  
 Phone # 502-540-6000



<b>KPDES #</b>	<b>Facility ID</b>	<b>Water Quality Treatment Center</b>	<b>Receiving Stream of Treatment Center</b>	<b>Region</b>
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	NA

<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SVSewer Valve	106733-V	7318 REGIMENT RD	DEREK R. GUTHRIE	PENNSYLVANIA RUN	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
: DISDW: DRY WEATHER DISCHARGE	3533163		06/22/2022	CATALANO JR BOUTIN		REPAIRED - ISSUE RESOLVED	06/22/2022	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATERS	06/22/22 07:00 AM	

**Discharge Reporting:**

Discharge Amount:	1,000 GAL
Cause:	STRUCTURAL FAILURE (FORCEMAIN BREAK).
Clean Up:	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND ON THE GROUND.
Repair:	REPAIRED THE FORCE MAIN. WO#3533168
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

**Notifications:**

6/22/22 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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<b>KPDES #</b>	<b>Facility ID</b>	<b>Water Quality Treatment Center</b>	<b>Receiving Stream of Treatment Center</b>	<b>Region</b>
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	81608	5612 BRAULIO CT	DEREK R. GUTHRIE	WATTERSON TRAIL CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3522201		06/02/2022	BOWLIN JR	GRIGSBY, R	REPAIRED - ISSUE RESOLVED	06/02/2022	OBSTRUCTION- NOT GREASE / ROOTS	UNAUTHORIZED DISCHARGE- WATERS	06/02/22 06:55 PM	MAIN

**Discharge Reporting:**

Discharge Amount:	50 GAL
Cause:	OBSTRUCTION IN THE MAIN SEWER.
Clean Up:	MSD PERSONNEL CLEANED THE IMPACTED AREA.
Control Zone:	ADVISED CUSTOMER TO AVOID CONTACT WITH IMPACTED AREA.
Impact:	WATER DISCHARGING FROM MANHOLE.
Repair:	FLUSHED TO REMOVE THE OBSTRUCTION; REFERRED TO TV CREW FOR INSPECTION, NO PROBLEM FOUND.
Public Notification:	ADVISED ON SITE.

**Notifications:**

6/3/22 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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<b>KPDES #</b>	<b>Facility ID</b>	<b>Water Quality Treatment Center</b>	<b>Receiving Stream of Treatment Center</b>	<b>Region</b>
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	NA

<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SPLSewer Treatment Plant	MSD0277	11621 LOWER RIVER RD	DEREK R. GUTHRIE	OHIO RIVER	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
: DISDW: DRY WEATHER DISCHARGE	3524042		06/06/2022	THOMPSON	ROY	REPAIRED - ISSUE RESOLVED	06/06/2022	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHARGE-WATERS	06/06/22 12:32 AM	

**Discharge Reporting:**

Discharge Amount:	50 GAL
Cause:	TRIPPED BREAKER AND MSD STAFF RESET.
Clean Up:	NO DEBRIS.
Control Zone:	TEMP SIGN.
Impact:	SOLIDS.
Repair:	MSD STAFF RESET BREAKER.
Public Notification:	ON SITE.

**Notifications:**

6/6/22 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
6/6/22 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION