



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

May 16, 2019

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 April 2019.**

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 April 2019.

There were no exceedances or bypass reports 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 04/19  
Enclosures

cc: C. Roth  
V. Graves  
R. Shaw



81011 Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	96				23 - %		01/30 - Monthly	CA - CALCTD
				Permit Req.	>=	85 MO AV MN				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	Type	Size
201904_DRG_MOR.pdf	pdf	80602
201904_DRG_coverletter.pdf	pdf	43640
DischargeReport_DRG_April2019.pdf	pdf	104717

**Report Last Saved By**

**Derek R Guthrie WQTC MSD**

User: WRIGHTDUANE  
 Name: Duane Wright  
 E-Mail: duane.wright@louisvillemsd.org  
 Date/Time: 2019-05-17 13:20 (Time Zone: -04:00)

**Report Last Signed By**

User: WRIGHTDUANE  
 Name: Duane Wright  
 E-Mail: duane.wright@louisvillemsd.org  
 Date/Time: 2019-05-17 13:49 (Time Zone: -04:00)

Name of Sewage Treatment Plan

West County WTP

Jefferson

Month of:

April

2019

KPDES Permit Number:

KY0078956

Plant Capacity:

30 MGD

Receiving Stream:

Ohio River

Date	Total Flow (MG)	Raw Sewage		pH		Settleable Solids (mg/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		Final			Total mg/L		Cr +6 mg/L			
		Removed (cu. ft.)	Screenings (cu. ft.)	Raw	Final	Raw	Primary (or Sec.)	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	WAS Gal/Day X 1000	MLVSS (mg/L) X 1000 #1&#2	MLVSS (mg/L) X 1000	30 min. SVI	60 min. SVI	% Solids	Raw	Final	Chlorine Residual (mg/L)	NH3-N (mg/L)	Final	Final	Raw	Final	Final
1	40.40			7.2	7.2				8.0		163.0		7.0			154.0		6.0		6510				3160	2440	210				2.94	0.73	0.016	2.60	2	20	11			
2	31.15			7.2	7.0				8.0		157.0		5.0		120.0		6.0		5710				3390	2610	180						0.016	1.20	2						
3	29.74			7.0	7.1				8.0		276.0		4.0		190.0		5.0		4860				2360	1830	140						0.016	2.30	2						
4	27.40			7.2	6.8				8.0		137.0		6.0		119.0		5.0		5470				2760	2150	180						0.016	2.70	2						
5	31.66			7.1	7.2				8.0		80.0		6.0		79.0		3.0		6030				3130	2430	190						0.016	1.10	2						
6	28.46			7.1	7.6				8.0		123.0		5.0		41.0		5.0		5880				3290	2520	200						0.016	1.10	24						
7	51.17			7.6	7.2				7.0		163.0		9.0		122.0		15.0		5660				3270	2520	195						0.016	3.30	2						
8	44.70			7.1	7.1				7.0		320.0		8.0		193.0		7.0		6540				2770	2140	180			4.76	1.16	0.016	1.20	6	41	11					
9	44.32			7.1	7.2				8.0		130.0		5.0		206.0		7.0		5820				3730	2320	220						0.016	1.70	11						
10	38.22			7.3	7.2				8.0		124.0		4.0		131.0		7.0		6720				2340	1810	190						0.016	2.10	13						
11	28.51			7.2	7.0				8.0		296.0		4.0		209.0		7.0		5180				2740	2110	190						0.016	1.80	12						
12	27.74			7.2	7.1				7.0		270.0		5.0		228.0		6.0		5510				3160	2460	200						0.016	0.57	4						
13	24.92			7.1	7.3				8.0		112.0		9.0		114.0		4.0		6050				3720	2850	220						0.016	0.52	33						
14	94.04			6.9	7.0				7.0		117.0		6.0		90.0		8.0		6670				3020	2330	190						0.016	2.20	56						
15	47.90			6.8	7.2				8.0		120.0		3.0		105.0		3.0		5550				2720	2080	210			1.95	0.68	0.016	1.20	22	16	9					
16	40.75			7.0	6.8				8.0		86.0		3.0		74.0		6.0		5200				3510	2670	230						0.016	3.00	15						
17	30.12			7.2	6.6				8.0		102.0		3.0		82.0		3.0		4900				2780	2110	210						0.016	1.90	23		258				
18	28.70			7.0	7.2				8.0		116.0		3.0		77.0		4.0		4510				2610	2140	200						0.016	1.80	10				0.005		
19	67.46			7.5	7.1				7.0		126.0		6.0		75.0		8.0		6540				1930	1420	150						0.016	1.60	33						
20	159.34			6.8	6.7				7.0		116.0		12.0		63.0		8.0		6120				1800	1300	130						0.016	1.30	31						
21	128.24			7.2	7.2				8.0		52.0		3.0		40.0		2.0		7030				2240.00	1650	140						0.016	1.30	13						
22	103.29			6.8	8.0				6.8		102.0		4.0		43.0		4.0		5690				3050	2280	180			1.01	0.38	0.016	1.10	2	10	8					
23	91.29			7.1	6.8				8.0		52.0		5.0		42.0		5.0		6260				2300.00	1730	190						0.016	2.30	11						
24	75.56			6.8	7.0				7.0		96.0		4.0		52.0		5.0		6150				2700	2080	210						0.016	2.20	2						
25	85.10			7.1	6.7				7.0		100.0		6.0		73.0		5.0		6380				2370	1870	170						0.016	1.80	2						
26	107.49			6.9	6.8				7.0		54.0		6.0		41.0		6.0		6820				2300	1820	160						0.016	1.90	2						
27	77.32			6.8	6.9				7.0		17.0		5.0		24.0		7.0		6490				2400	1810	180						0.016	2.10	11						
28	63.27			6.9	7.1				7.0		92.0		5.0		79.0		5.0		6420				2700	2070	190						0.016	3.00	2						
29	59.14			6.8	7.0				7.0		112.0		4.0		78.0		7.0		6360				2260	1750	180						0.016	2.40	11						
30	52.64			7.2	6.8				7.0		116.0		4.0		82.0		7.0		6760				2670	2190	180						0.016	2.80	9						
31																																							
Total	1780.0	0	0																0.0		0.0																		
Avg	58.67			7.1	7.1				7.5		130.9		5.3		100.9		5.9		5993.00				2786.00	2116.33	186.50				2.67	0.74	0.016	1.87	7	19	19	0.005			

Industrial Connections: 18  
Sewer Connections X 3 = 102744

36173  
34248  
1907  
456000 Flow  
187570 BOD  
202248 TSS

Operator Gary Phelps  
Cert. # 30428  
Phone # 502-540-6000

Report Selections: Period: 04/01/2019 00:00 thru 04/30/2019 23:59, treatment Plant: MSD0277 DEREK R. GUTHRIE, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	60679	9114 CINDERELLA LN		FISHPOOL CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3086556		04/20/2019	GRAY JR	FIELDS	DOCUMENTED	12/15/2007	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	04/20/19 06:00 PM	

**Discharge Reporting:**

Discharge Amount:	91,250 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	WATER HAS NOT RECEDED.
Control Zone:	TEMPORARY SIGNS HAVE BEEN POSTED.
Impact:	DISCOLORATION OF STREAM.
Repair:	SITE FOUND DURING RAIN EVENT RECON. WILL BE MONITORED.
Public Notification:	ADVISED CUSTOMER ON SITE.

**Notifications:**

4/20/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
4/20/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 04/01/2019 00:00 thru 04/30/2019 23:59, treatment Plant: MSD0277 DEREK R. GUTHRIE, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMN Sewer Main	82288-V	10517 SUNLIGHT LN		POND CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3081275		04/03/2019	ROTTET JR	HUBER IV	REPAIRED - ISSUE RESOLVED	04/03/2019	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATER S	04/03/19 10:15 AM	

**Discharge Reporting:**

Discharge Amount:	1,000 GAL
Cause:	STRUCTURAL FAILURE (FORCE MAIN BREAK).
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED IMPACTED AREA.
Control Zone:	TEMPORARY SIGNS AROUND IMPACTED AREA.
Impact:	SEWAGE AND HYGIENE PRODUCTS ON GROUND AND IN STREAM.
Repair:	SHUT OFF PUMPS TO STOP DISCHARGE. HAULOP WORK ORDER 3081279) (HAULOP WORK ORDER 3081385).
Public Notification:	NOTIFIED CUSTOMER ON SITE AND TEMPORARY SIGNS.

**Notifications:**

4/3/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
----------------	--------	---

Report Selections: Period: 04/01/2019 00:00 thru 04/30/2019 23:59, treatment Plant: MSD0277 DEREK R. GUTHRIE, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0101-PS	9317 LANTANA DR	LANTANA DRIVE #1	PENNSYLVANIA RUN	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3086537		04/20/2019	GRAY JR	FIELDS	DOCUMENTED	03/18/2013	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	04/20/19 01:37 PM	

**Discharge Reporting:**

Discharge Amount:	19,550 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	NO CLEAN UP PERFORMED.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	DISCOLORATION OF STREAM.
Repair:	SITE FOUNDED DURING RAIN EVENT. RECON WILL BE MONITORED.
Public Notification:	ADVISED CUSTOMER ON SITE.

**Notifications:**

4/20/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
4/20/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Report Selections: Period: 04/01/2019 00:00 thru 04/30/2019 23:59, treatment Plant: MSD0277 DEREK R. GUTHRIE, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD1051-PS	8800 ADMIRAL DR	ADMIRAL	PENNSYLVANIA RUN	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3086542		04/20/2019	GRAY JR	FIELDS	DOCUMENTED	04/20/2019	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	04/20/19 04:30 PM	

**Discharge Reporting:**

Discharge Amount:	139,500 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:	DISCOLORATION OF STREAM.
Repair:	SITE FOUND DURING RAIN EVENT. RECON WILL BE MONITORED.
Public Notification:	ADVISED CUSTOMER ON SITE.

**Notifications:**

4/20/19 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
4/20/19 1:00 pm	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 4

Total Work Orders Printed: 4