



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

March 18, 2021  
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 February 2021.**

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 2021.

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 02/21  
Enclosures

cc: C. Roth  
V. Graves  
R. Shaw



80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	11267.0	=	14617.0	26 - lb/d	=	22.0	=	36.0	19 - mg/L	0	01/01 - Daily	24 - COMP24
					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		01/01 - Daily	24 - COMP24
					Value NODI													
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	265.0	=	338.0	19 - mg/L	0	01/01 - Daily	24 - COMP24
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/01 - Daily	24 - COMP24
					Value NODI													
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample					=	92.0				23 - %	0	01/01 - Daily	CA - CALCTD
					Permit Req.							>=	85.0 MO AV MN		23 - %		01/30 - Monthly	CA - CALCTD
					Value NODI													
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	95.0				23 - %	0	01/01 - Daily	CA - CALCTD
					Permit Req.							>=	85.0 MO AV MN		23 - %		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
202102_DRG_Coverletter.pdf	pdf	37558.0
202102_DRG_MOR.pdf	pdf	128990.0
202102_DRG_Dischargereports.pdf	pdf	224221.0

**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: 2021-03-18 10:31 (Time Zone: -04:00)

**Report Last Signed By**

User: kevin.thompson@louisvillemsd.org  
 Name: Kevin Thompson  
 E-Mail: kevin.thompson@louisvillemsd.org  
 Date/Time: 2021-03-18 11:16 (Time Zone: -04:00)

Name of Sewage Treatment Plan

West County WTP

Jefferson

Month of:

February

2021

KYDES 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		Final		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	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	Chlorine Residual (mg/L)	NH3-N (mg/L)	E. Coli (MPN)	Raw	Final	Raw	Final			
1	84.97			7.2	7.0								170.0		12.0				146.0		58.0	7320				3240	2620	250				3.55	2.48	0.016	2.50	2		8	6			
2	75.52			7.1	7.2								178.0		15.0				110.0		17.0	7680				3310	2650	270						0.016	1.80	21						
3	61.52			7.0	7.1								208.0		9.0				108.0		9.0	8380				3550	2950	270						0.016	1.90	12						
4	59.72			7.1	7.1								232.0		12.0				216.0		29.0	7620				3460	2870	280						0.016	2.90	2						
5	73.45			7.3	7.1								472.0		8.0				335.0		12.0	7040				2950	2420	240						0.016	2.20	19						
6	58.38			7.0	6.9								156.0		6.0				110.0		6.0	7680				3600	2860	310						0.016	2.50	2						
7	54.60			7.0	7.1								202.0		9.0				60.0		7.0	7360				3840	3200	320						0.016	3.90	2						
8	51.34			7.0	6.8								320.0		7.0				191.0		8.0	7880				3220	2760	290		4.27	0.99		0.016	4.70	2	23	8					
9	51.70			7.1	6.8								304.0		10.0				159.0		11.0	7160				3720	3060	310						0.016	5.20	2						
10	51.70			7.2	7.1								256.0		45.0				360.0		35.0	7300				3570	2940	310						0.016	6.00	2						
11	81.48			7.1	7.1								724.0		9.0				527.0		35.0	7300				2630	2280	200						0.016	1.30	5790						
12	66.83			7.2	7.1								388.0		24.0				247.0		44.0	7020				4170	3520	250						0.016	3.30	7						
13	62.42			6.9	7.1								242.0		11.0				97.0		10.0	7400				3570	3040	260						0.016	1.40	2						
14	56.29			7.1	6.9								228.0		10.0				144.0		9.0	7040				3950	3380	320						0.016	1.80	6						
15	52.50			7.0	7.1								364.0		5.0				197.0		46.0	7240				3810	3240	320						0.016	2.80	2						
16	50.02			7.0	7.0								464.0		20.0				465.0		44.0	7060				3590	3240	350		2.08	0.56		0.016	3.40	10	16	5					
17	45.21			7.0	7.1								380.0		20.0				362.0		43.0	8420				4330	3810	410						0.016	2.40	27						
18	46.37			7.3	6.2								680.0		36.0				505.0		46.0	6860				7010	6210	370						0.016	1.70	2						
19	47.87			6.9	6.4								990.0		92.0				394.0		22.0	6140				4620	4180	370						0.016	1.70	28						
20	47.87			7.3	7.2								356.0		98.0				272.0		42.0	6580				3580	3060	540						0.016	2.70	4						
21	46.51			7.2	7.2								588.0		22.0				169.0		11.0	6060				3460.00	3140	440						0.016	1.30	4						
22	75.29			6.9	7.3								204.0		16.0				134.0		13.0	7000				3570	3210	360		4.12	0.52		0.016	3.60	2	18	6					
23	61.21			7.0	7.0								364.0		21.0				195.0		11.0	7660				6220.00	5280	350						0.016	2.80	26						
24	39.26			7.1	7.1								254.0		6.0				171.0		6.0	7040				6760	5820	540						0.016	4.00	2						
25	32.81			7.2	7.3								1320.0		7.0				514.0		12.0	6640				6900	5820	640						0.016	7.00	2						
26	30.75			7.1	7.0								1720.0		6.0				639.0		8.0	6560				4820	3980	630						0.016	6.10	2						
27	30.78			7.0	7.1								1680.0		6.0				459.0		5.0	6550				5400	4480	630						0.016	5.30	2						
28	127.29			6.9	6.9								298.0		93.0				121.0		24.0	5760				3600	3040	320						0.016	2.80	1210						
29																																										
30																																										
31																																										
Total	1623.7	0	0																			0.0		0.0																		
Avg.	57.99			7.1	7.0								490.8		22.7				264.5		22.3	7133.93				4158.93	3537.86	362.60					3.51	1.14	0.016	3.18	7	15	6			

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

449523 Flow  
 649814 BOD  
 1027513 TSS

Operator: \_\_\_\_\_  
 Cert. #: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Kendrietta Hayes  
 25850  
 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	WEST

<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>
SMHSewer Manhole	09730	9715 EL PRADO ST		PONDER CREEK	GROUND

<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>
: DISREV: RAIN EVENT DISCHARGE	3349809		02/28/2021	ROTTET JR	MILES	REPAIRED - ISSUE RESOLVED	11/17/2013	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	02/28/21 11:40 AM	

**Discharge Reporting:**

Discharge Amount:	18,000 GAL
Cause:	LACK OF SYSTEM CAPACIT DUE TO EXCESSIVE RAIN
Clean Up:	AREA DISINFECTED WITH LIME
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE FOUND AROUND MANHOLE
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA

**Notifications:**

2/28/21 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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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
SMHSewer Manhole	102339	9114 CINDERELLA LN		FISHPOOL CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3349798		02/28/2021	ROTTET JR	FLOWERS	DOCUMENTE D	07/14/2015	LACK OF SYSTEM	UNAUTHORIZED DISCHARGE-	03/01/21 03:40 AM	

**Discharge Reporting:**

Discharge Amount:	239,000 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO EXCESSIVE RAIN
Clean Up:	AREA DISINFECTED WITH LIME
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE FOUND AROUND MANHOLE
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA

**Notifications:**

2/28/21 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/28/21 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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
SMHSewer Manhole	90380	4739 DIXIE HWY			

  

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3349878		02/28/2021	ROTTET JR	MILES			LACK OF SYSTEM	UNAUTHORIZED DISCHARGE-	02/28/21 04:19 PM	

**Discharge Reporting:**

Discharge Amount:	63,000 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE FOUND AROUND MANHOLE
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA

**Notifications:**

2/28/21 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/28/21 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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
SMHSewer Manhole	93705	8800 ADMIRAL DR		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	3349796		02/28/2021	ROTTET JR	FLOWERS	QUEUED FOR REPAIR	09/24/2018	LACK OF SYSTEM	UNAUTHORIZED DISCHARGE-	03/01/21 03:55 AM	

**Discharge Reporting:**

Discharge Amount:	13,375 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO EXCESSIVE RAIN
Clean Up:	AREA DISINFECTED WITH LIME
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE FOUND AROUND MANHOLE
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA

**Notifications:**

2/28/21 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/28/21 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION