



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

November 16, 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 October 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 October 2021.

There were no exceedances or bypass reports for the Derek Guthrie WQTC.

Also attached is an overflow report.

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 10/21  
Enclosures

cc: C. Roth  
V. Graves  
R. Shaw





Name of Sewage Treatment Plant: West County WTP Jefferson County Month of: October 2021  
 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		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) X1000 #1 & #2	MLVSS (mg/L) X1000	30 min. SVI	60 min. SVI	% Solids	Raw	Final	Chlorine Residual (mg/L)	NH3-N (mg/L)	E. Coli (MPN)	Raw	Final	Final			
1	24.24			7.0	7.0					7.0		324.0		4.0			263.0		10.0	4920						3340	2540	140				0.016	13.00	4							
2	21.37			7.2	7.3					7.0		384.0		4.0			168.0		6.0	4900						1850	1430	140				0.016	1.50	14							
3	51.75			7.2	7.3					7.0		287.0		9.0			152.0		15.0	4060						2040	1600	120	6.40	1.70	0.016	2.60	2	27	12						
4	49.63			6.7	7.2					7.0		230.0		6.0			136.0		6.0	5140						3380	2680	130				0.016	0.20	10							
5	34.07			7.1	7.2					7.0		224.0		6.0			149.0		8.0	5540						4140	3240	160				0.016	1.10	24							
6	65.11			7.0	7.2					7.0		152.0		6.0			87.0		3.0	8940						2740	2160	140				0.016	0.57	22							
7	47.70			7.5	7.4					7.0		132.0		5.0			93.0		3.0	5880						2980	2300	170				0.016	0.20	33							
8	37.43			7.1	7.5					7.0		272.0		4.0			159.0		4.0	5500						2820	2160	170				0.016	0.41	14							
9	31.01			7.1	7.3					7.0		228.0		4.0			160.0		3.0	5160						2830	2200	170				0.016	0.20	9							
10	28.97			7.0	7.1					7.0		190.0		4.0			126.0		3.0	5500						3300	2500	170	5.39	2.44	0.016	0.25	10	22	13						
11	28.41			7.0	7.1					7.0		308.0		4.0			226.0		5.0	5020						2440	1900	130				0.016	0.30	2							
12	26.50			7.0	7.2					7.0		240.0		5.0			173.0		8.0	4400						3660	2920	140				0.016	0.57	37							
13	25.84			6.9	7.3					7.0		197.0		4.0			137.0		4.0	4220						2540	1900	140				0.016	0.43	89							
14	25.32			6.9	7.3					7.0		250.0		4.0			148.0		3.0	4360						2820	2220	150				0.016	0.22	41							
15	31.30			6.9	7.1					7.0		192.0		7.0			139.0		9.0	4660						3780	2920	140				0.016	0.89	135							
16	31.83			6.8	6.9					7.0		107.0		5.0			84.0		5.0	4440						2430	1890	140				0.016	0.20	145							
17	27.73			6.9	7.1					7.0		153.0		6.0			128.0		3.0	4160						2310	1790	130	4.80	2.20	0.016	0.30	76	23	15						
18	25.64			6.8	7.3					7.0		360.0		5.0			197.0		5.0	3480						2320	1880	120				0.016	0.38	90							
19	25.18			6.9	7.3					7.0		340.0		5.0			231.0		4.0	3720						2940	2360	130				0.016	0.27	39							
20	23.52			6.9	7.4					7.0		260.0		5.0			200.0		11.0	4140						2360	1840	145				0.016	0.48	19							
21	23.99			7.1	7.4					7.0		230.0		5.0			190.0		6.0	4100						3180.00	2500	120				0.016	0.41	9							
22	22.79			7.3	7.3					7.0		292.0		5.0			224.0		9.0	3800						2520	1940	130				0.016	0.90	4							
23	21.29			7.2	7.0					6.8		152.0		5.0			115.0		6.0	3720						2540.00	2020	150				0.016	0.92	2							
24	23.52			7.1	7.2					6.9		388.0		6.0			228.0		7.0	3840						2640	2120	140	12.00	4.65	0.016	0.49	32	30	17						
25	36.60			6.8	7.2					7.0		280.0		7.0			263.0		15.0	3940						2860	2220	140				0.016	0.88	40							
26	26.53			7.0	7.2					7.0		168.0		4.0			135.0		4.0	4140						2620	2020	150				0.016	0.36	17							
27	24.05			6.8	7.3					7.0		280.0		4.0			193.0		3.0	3780						2600	2060	150				0.016	0.20	25							
28	24.24			7.0	7.4					7.0		233.0		4.0			175.0		5.0	4160						4540	3580	140				0.016	0.55	103							
29	25.69			7.0	7.4					7.0		263.0		6.0			145.0		5.0	4100						3440	2760	150				0.016	0.55	493							
30	51.35			6.8	7.3					6.0		187.0		8.0			88.0		7.0	4820						2260	1820	120				0.016	1.30	31							
31	38.85			7.0	7.2					7.4		233.0		7.0			128.0		6.0	4440						2160	1660	150				0.016	0.71	36							
Total	979.5	0	0																	0.0		0.0																			
Avg.	31.60			7.0	7.2					7.0		242.5		5.3			162.6		6.2	4612.26						2850.97	2230.00	142.42				7.15	2.75	0.016	1.01	23	25	14			

Industrial Connections: 36173  
 Sewer Connections X 3 = 102744  
1907 Flow 198166  
18 BOD 149262  
18 TSS 201483

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>
SMNSewer Main	106733-V	7318 REGIMENT RD		PENNSYLVANIA RUN	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>
: DISDW: DRY WEATHER DISCHARGE	3431596		10/10/2021	ROTTET JR	ROTTET JR	REPAIRED - ISSUE RESOLVED	10/10/2021	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATERS	10/10/21 09:30 PM	

**Discharge Reporting:**

Discharge Amount:	30,000 GAL
Cause:	STRUCTURAL FAILURE (FORCE MAIN BREAK).
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED CAUTION TAPE AROUND THE IMPACTED AREA AND TEMPORARY SIGNS.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND ON THE GROUND AND STREAM.
Repair:	HAULED SEWAGE UNTIL REPAIRS MADE. TRC REPAIRED FORCE MAIN.
Public Notification:	TALKED TO CUSTOMER ON SITE AND PAGE SENT OUT TO UPDATE MSD WEBSITE.

**Notifications:**

10/11/21 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
10/11/21 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

<b>KPDES #</b>	<b>Facility ID</b>	<b>Water Quality Treatment Center</b>	<b>Receiving Stream of Treatment Center</b>	<b>Region</b>
KY0102784	MSD0294	FLOYDS FORK	FLOYDS FORK	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>
SMNSewer Main	80581A-AG	611 WOODLAKE DR		CHENOWETH RUN	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>
: DISDW: DRY WEATHER DISCHARGE	3439668		10/21/2021	ROTTET JR	ROTTET JR	REPAIRED - ISSUE RESOLVED	07/27/2020	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE-WATERS	10/21/21 02:44 PM	

**Discharge Reporting:**

Discharge Amount:	207 GAL
Cause:	STRUCTURAL FAILURE (FORCE MAIN BREAK).
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE FOUND ON THE GROUND AND IN STREAM.
Repair:	SHUT OFF PUMP AND ISOLATED FORCE MAIN. CONTRACTOR TO MAKE REPAIRS.
Public Notification:	TEMPORARY SIGNS AROUND IMPACTED AREA. BREAK IS WITHIN FENCED AREA OF MSD PUMP STATION.

**Notifications:**

10/22/21 1:00 AM	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>
KY0022411	MSD0278	MORRIS FORMAN		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>
SMHSewer Manhole	CSO125	376 CRESCENT SPRING DR		MIDDLE FORK BEARGRASS	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	3430480		10/01/2021	FRENCH	FRENCH	REPAIRED - ISSUE RESOLVED	10/16/2015	UTILITY DAMAGED MSD ASSET	UNAUTHORIZED DISCHARGE-WATERS	10/01/21 03:25 PM	

**Discharge Reporting:**

Discharge Amount:	325,000 GAL
Cause:	DISCHARGED WATER INCLUDES RESIDUAL WASTE STREAM FROM MUNICIPAL DRINKING WATER TREATMENT.
Clean Up:	MSD CREWS WILL CLEAN AND SANITIZE IMPACTED AREAS.
Control Zone:	MSD CREWS WILL CLEAN AND SANITIZE THE IMPACTED AREA.
Impact:	MOSTLY CLEAR WATER DISCHARGING FROM CSO OUTFALL TO CREEK.
Repair:	LWC WORKING TO REPAIR LINE.
Public Notification:	MSD WEBSITE UPDATED TO NOTIFY THE PUBLIC OF A DRY WEATHER OVERFLOW.

**Notifications:**

10/2/21 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Total Facilities Printed: 3

Total Work Orders Printed: 3