



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

September 21, 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 August 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 August 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 08/22

Enclosures

cc: B. Tinnell
V. Graves
M. Saylor

Name of Sewage Treatment Plan West County WTP Jefferson County Month of: August 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		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	MLSS mg/L X 1000	WAS	Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	(mg/L) X1000 #1	MLYSS (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	55.42			7.0	7.3				6.6		560.0	4.0		260.0	3.0				5900								3140		190				9.44	0.75	0.016	0.20	34	35	6	
2	31.82			7.0	7.1				7.0		760.0	3.0		445.0	3.0				4500								5220		210					0.016	0.20	2				
3	32.39			7.1	7.1				6.7		752.0	4.0		411.0	3.0				5180								4500		210					0.016	0.52	33				
4	28.21			7.0	7.2				6.7		792.0	3.0		429.0	3.0				4960								3380		200					0.016	0.41	2				
5	39.44			7.0	7.3				7.0		626.0	5.0		353.0	6.0				6920								3240		200					0.016	1.70	215				
6	28.37			7.2	7.2				6.5		708.0	3.0		449.0	3.0				5540								2920		200					0.016	0.46	13				
7	27.04			7.1	7.3				7.2		808.0	5.0		490.0	4.0				5400								3850	3050	200					0.016	0.75	2				
8	24.62			7.2	7.3				7.0		2010.0	4.0		964.0	5.0				4340								3920		150			9.84	2.82	0.016	0.25	4	31	12		
9	22.86			6.9	7.1				6.5		1100.0	5.0		358.0	8.0				5100								2900		170					0.016	0.20	76				
10	36.95			7.0	7.1				7.0		368.0	9.0		161.0	11.0				5440								2860		160					0.016	2.10	34				
11	50.80			7.1	7.1				6.8		624.0	7.0		343.0	6.0				6540								2380		140					0.016	0.24	2				
12	29.96			7.0	7.2				6.9		916.0	6.0		530.0	5.0				4960								2860		170					0.016	0.30	2				
13	26.19			7.1	7.3				6.8		672.0	5.0		422.0	5.0				5640								2980		180					0.016	0.32	117				
14	23.12			7.2	7.2				6.7		728.0	6.0		429.0	5.0				5320								2720	2140	150					0.016	0.52	10				
15	23.86			7.0	7.1				6.4		970.0	7.0		375.0	7.0				4390								2160		150			20.10	3.12	0.016	0.52	2	63	15		
16	21.82			7.1	7.0				6.4		847.0	6.0		460.0	9.0				4740								2540		150					0.016	0.89	10				
17	21.87			6.9	7.3				6.5		676.0	7.0		704.0	6.0				5100								2320		150					0.016	0.91	2				
18	20.98			7.1	7.2				6.4		700.0	6.0		419.0	5.0				4700								2620		140					0.016	0.43	68				
19	19.77			7.2	7.2				6.5		700.0	4.0		332.0	5.0				4720								2560		150					0.016	0.35	166				
20	20.10			7.0	7.2				6.4		692.0	6.0		365.0	5.0				4520								2660		160					0.016	0.76	133				
21	26.23			7.0	7.0				6.2		920.0	8.0		504.0	10.0				4880								2860.00	2160	160					0.016	2.30	15				
22	32.69			7.0	7.0				6.7		650.0	4.0		354.0	8.0				5500								2540		140			12.30	2.46	0.016	0.78	16	34	10		
23	22.58			7.1	7.1				7.1		580.0	4.0		471.0	8.0				4840								2880.00		150					0.016	0.95	2				
24	21.98			6.9	7.0				7.1		556.0	6.0		277.0	10.0				4660								3620		140					0.016	1.90	17				
25	21.30			7.0	7.1				7.0		604.0	7.0		339.0	12.0				5020								2560		110					0.016	1.70	7				
26	20.23			7.1	7.2				6.8		660.0	6.0		401.0	9.0				5400								2380		130					0.016	1.30	4				
27	19.27			7.3	7.1				7.0		536.0	6.0		329.0	7.0				3520								2480		120					0.016	1.50	2				
28	20.30			7.2	7.2				6.2		560.0	5.0		303.0	6.0				4540								2680	2140	120					0.016	1.50	2				
29	22.36			7.0	7.0				6.5		750.0	8.0		345.0	15.0				3660								2100		110					0.016	4.00	6				
30	49.42			6.9	6.7				6.9		364.0	7.0		172.0	7.0				6800								2980		130					0.016	1.60	27		0.005		
31	32.96			7.2	7.1				7.0		568.0	3.0		247.0	3.0				4940								2680		150					0.016	0.87	28				
Total	874.9	0	0																0.0		0.0																			
Avg.	28.22			7.1	7.1				6.7		734.1	5.5		401.3	6.5				5085.81								2957.74	2372.50	157.74				12.92	2.29	0.016	0.98	11	39	10	0.005

Industrial Connections: 36173 Flow 166044 BOD 452918 TSS 720066
 Sewer Connections X 3 = 1907 Flow 18 BOD 1907 TSS 18
 Sewer Connections X 3 = 102744 Flow 18 BOD 1907 TSS 18

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



**IMSAST0004
Overflow Report
8/1/2022 12:00:00 AM to 8/31/2022 12:00:00 AM**

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region							
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	NA							
Facility Type	Facility ID	Facility Address	If Pump Station, Name of Station	Receiving Stream	Discharge To						
Sewer Service Line	PB12260099	3700 OLD OUTER LOOP	DEREK R. GUTHRIE	SOUTHERN DITCH	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	3557434		8/31/2022 9:00:00 PM	BOWLIN JR		REPAIRED - ISSUE RESOLVED	8/31/2022 12:00:00 AM	OBSTRUCTION-NOT GREASE / ROOTS	UNAUTHORIZED DISCHARGE-WATERS	08/31/22 09:50 PM	LAT

Discharge Reporting:

Discharge Amount:	1 GAL
Cause:	OBSTRUCTION ON MSD PORTION.
Clean Up:	MSD PERSONNEL CLEANED THE IMPACTED AREA.
Control Zone:	ADVISED CUSTOMER TO AVOID CONTACT WITH IMPACTED AREA.
Impact:	SEWAGE/DEBRIS AROUND MSD CLEANOUT.
Repair:	FLUSHED TO REMOVE OBSTRUCTION.
Public Notification:	ADVISED VIA PHONE.

Notifications:

9/1/22 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO: DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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IMSAST0004
Overflow Report
8/1/2022 12:00:00 AM to 8/31/2022 12:00:00 AM

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	NA
Facility Type	Facility ID	Facility Address	If Pump Station, Name of Station	Receiving Stream
Sewer Manhole	79819D	9513 LAMBORNE BLVD	DEREK R. GUTHRIE	POND CREEK
Discharge To	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	3547129		8/5/2022 12:00:00 AM	BOWLIN JR	BOWLIN	REPAIRED - ISSUE RESOLVED	8/5/2022 12:00:00 AM	GREASE BLOCKAGE	UNAUTHORIZED DISCHARGE-WATERS	08/05/22 12:35 AM	MAIN

Discharge Reporting:

Discharge Amount:	25 GAL
Cause:	GREASE BLOCKAGE IN THE MAIN SEWER
Clean Up:	MSD PERSONNEL WILL CLEAN IMPACTED AREA
Control Zone:	SET OUT 4 TEMPORARY DISCHARGE SIGNS AND STAKE/TAPE AROUND THE MANHOLE
Impact:	SEWAGE/DEBRIS AROUND MANHOLE AND IN DITCH LINE
Repair:	FLUSHED MAIN SEWER TO REMOVE BLOCKAGE
Public Notification:	ADVISED VIA PHONE

Notifications:

8/5/22 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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