



700 West Liberty Street | Louisville, KY 40203-1971
Phone: 502.540.6000 | LouisvilleMSD.org

September 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 August 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 August 2021.

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

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 08/21
Enclosures

cc: C. Roth
V. Graves
R. Shaw

Name of Sewage Treatment Plan West County WTP Jefferson County Month of: August 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	Raw	MLSS mg/L X 1000	WAS	Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	(mg/L) X1000 #1	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	20.25			7.3	7.3				7.0		376.0	5.0				302.0	6.0				4000						2540	2030	150			8.38	2.88	0.016	0.21	20	38	19	
2	19.49			6.9	7.0				7.0		688.0	7.0				508.0	15.0				3520						2340	1860	140				0.016	0.40	27				
3	21.23			7.1	7.1				7.0		572.0	7.0				444.0	21.0				5700						2580	2060	140				0.016	7.00	9				
4	19.82			7.0	7.0				7.0		436.0	7.0				435.0	16.0				3160						5860	4660	290				0.016	5.60	2				
5	19.66			7.2	6.9				7.0		312.0	5.0				328.0	13.0				4420						2180	1780	130				0.016	2.00	2				
6	18.72			6.9	7.0				7.0		336.0	5.0				292.0	11.0				3360						1940	1560	110				0.016	2.10	2				
7	18.20			7.2	7.1				7.0		244.0	5.0				208.0	7.0				4320						2560	2100	140				0.016	1.20	2				
8	19.61			7.0	7.1				7.0		240.0	7.0				211.0	7.0				4320						2660	2200	140	5.81	2.35	0.016	0.35	856	35	18			
9	29.18			7.0	7.1				7.0		540.0	10.0				401.0	18.0				3840						2140	1780	120				0.016	4.40	208				
10	26.59			7.0	7.0				7.0		320.0	8.0				306.0	12.0				5080						3460	2820	130				0.016	1.10	8				
11	22.56			6.9	7.0				7.0		356.0	8.0				288.0	15.0				5220						2420	2000	120				0.016	1.80	29				
12	20.94			7.0	7.0				7.0		392.0	7.0				291.0	12.0				4720						2680	2200	120				0.016	1.90	2				
13	20.59			6.9	7.0				7.0		364.0	6.0				311.0	11.0				4200						2460	2000	110				0.016	1.70	7				
14	22.24			6.9	7.3				6.0		240.0	7.0				267.0	9.0				3220						3100	2420	160				0.016	2.00	2				
15	25.40			7.0	6.9				7.0		216.0	4.0				145.0	5.0				5040						2740	2180	140	6.54	1.54	0.016	0.50	13	29	12			
16	24.38			6.8	7.1				7.0		348.0	3.0				221.0	4.0				4600						3240	2600	150				0.016	0.35	13				
17	23.16			7.0	7.1				7.0		303.0	3.0				253.0	10.0				4460						2720	2200	160				0.016	1.50	35				
18	21.89			7.0	7.1				7.0		264.0	3.0				221.0	4.0				5400						3420	2780	160				0.016	0.60	12				
19	27.77			7.1	7.2				7.0		380.0	5.0				292.0	11.0				4700						3620	2880	200				0.016	1.50	7				
20	25.38			7.0	7.1				7.0		288.0	4.0				334.0	4.0				5560						3480	2780	200				0.016	0.61	2				
21	21.37			7.3	7.0				7.0		240.0	4.0				139.0	4.0				5540						3360.00	2800	200				0.016	0.41	21				
22	21.86			7.0	7.1				7.0		226.0	4.0				170.0	3.0				5140						3640	3000	200				0.016	0.20	11	31	15		
23	20.89			6.9	7.0				7.0		324.0	3.0				226.0	3.0				5220						3240.00	2620	190				0.016	0.20	9				
24	22.73			6.9	6.9				7.0		343.0	3.0				348.0	5.0				5200						3420	2760	200				0.016	0.27	13				
25	22.70			6.9	7.1				7.0		725.0	4.0				438.0	4.0				5320						3040	2500	190				0.016	0.22	54				
26	23.70			7.1	6.9				7.0		266.0	4.0				265.0	8.0				5500						3920	3180	190				0.016	0.44	18				
27	22.43			6.9	7.2				7.0		328.0	3.0				305.0	9.0				7540						2940	2360	180				0.016	1.40	71				
28	20.89			6.8	7.1				7.0		244.0	3.0				209.0	18.0				4120						3330	2710	240				0.016	0.55	2				
29	20.84			7.0	7.2				7.0		312.0	3.0				233.0	3.0				5820						4720	3860	200				0.016	0.20	18				
30	38.08			6.9	7.0				7.0		1070.0	7.0				595.0	9.0				4800						2980	2460	200				0.016	2.50	15				
31	53.02			7.2	7.0				7.0		184.0	6.0				125.0	9.0				6100						4040	3200	235				0.016	1.70	12				
Total	735.6	0	0																		0.0		0.0																
Avg.	23.73			7.0	7.1				7.0		370.2	5.2				293.9	9.2				4810.97						3121.61	2527.10	168.87				6.46	2.30	0.016	1.45	12	33	16

Industrial Connections: 18 Sewer Connections X 3 = 102744

Flow: 36173 BOD: 239373 TSS: 246129

Operator: Roy McCarty Cert. #: 31503 Phone #: 502-540-6000