



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

June 13, 2023

Ms. Crystal Dennis
Kentucky Division of Water
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**Re: Derek Guthrie Water Quality Treatment Center
KPDES Permit No. KY0078956,
Discharge monitoring report for May 2023.**

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 May 2023.

There were no bypasses, overflows or exceedances 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 5/23

Enclosures

cc: B. Tinnell
V. Graves
M. Saylor

Name of Sewage Treatment Plan: West County WTP Jefferson County Month of: May 2023
 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	WAS	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)	Final	Final	Raw	Final	Final				
1	32.20			7.2	7.1				7.4		580.0		10.0			435.0		24.0		5960						2970	2450	200				10.90	2.42	0.016	4.60	9							
2	33.79			7.0	7.0				7.6		513.0		5.0			298.0		4.0		6870						3170	2600	200						0.016	1.20	7							
3	31.18			7.2	6.9				7.0		508.0		7.0			373.0		14.0		5870						3570	2930	240						0.016	5.60	35							
4	31.35			7.1	6.9				7.2		512.0		7.0			372.0		10.0		6820						3060	2560	210						0.016	4.90	63							
5	17.43			7.1	6.9				7.2		636.0		5.0			459.0		10.0		5640						3790	3190	250						0.016	2.00	19							
6	17.80			7.1	7.0				7.2		580.0		6.0			349.0		10.0		6300						3510	2960	240						0.016	0.98	22							
7	48.75			7.0	6.9				6.9		500.0		9.0			395.0		13.0		5980						3150	2670	200						0.016	2.90	86							
8	41.60			7.1	7.0				6.7		484.0		5.0			374.0		17.0		6060						3670	3030	250				9.65	1.49	0.016	1.70	2		34		8			
9	70.86			7.1	7.0				6.8		300.0		5.0			265.0		16.0		7680						3190	2640	200						0.016	2.50	62							
10	36.43			7.2	6.9				6.9		472.0		5.0			350.0		11.0		5800						3700	3010	260						0.016	1.60	2							
11	28.95			6.7	7.0				6.7		612.0		4.0			449.0		6.0		6180						3600	2900	240						0.016	0.57	2							
12	27.95			7.0	7.0				6.5		516.0		5.0			372.0		7.0		5220						3370	2740	230						0.016	1.80	58							
13	24.36			7.2	7.1				7.5		480.0		4.0			355.0		4.0		6260						3470	2850	250						0.016	0.48	65							
14	34.54			7.2	7.0				7.1		432.0		5.0			345.0		8.0		6020						3440	2880	250						0.016	0.91	53							
15	27.62			7.1	7.0				7.6		520.0		4.0			414.0		4.0		6020						3030	2450	250				11.30	2.15	0.016	1.00	2		44		11			
16	60.90			7.0	6.9				7.4		352.0		11.0			245.0		22.0		6350						4000	3050	250						0.016	2.50	11							
17	59.07			7.1	7.0				6.9		420.0		4.0			236.0		6.0		6380						3010	2410	200						0.016	0.72	11							
18	32.58			7.1	7.1				7.5		764.0		4.0			498.0		4.0		5940						3050	2430	220						0.016	0.73	24							
19	27.87			7.1	7.2				7.5		488.0		5.0			304.0		5.0		6000						3090	2460	220						0.016	0.56	2							
20	71.50			7.1	7.1				7.1		180.0		6.0			148.0		8.0		8860						2540	2040	190						0.016	1.50	2							
21	38.43			7.2	7.1				7.6		320.0		3.0			228.0		3.0		6320						3440.00	2710	250						0.016	0.67	4							
22	33.22			7.0	7.2				7.5		633.0		3.0			411.0		5.0		5840						3030	2460	230				12.10	1.68	0.016	0.28	2		49		11			
23	28.23			6.9	6.9				7.7		328.0		3.0			269.0		4.0		5900						3850.00	3000	210						0.016	0.32	29							
24	26.48			7.1	6.8				7.3		552.0		5.0			404.0		13.0		5760						2850	2320	210						0.016	1.10	2							
25	25.40			7.2	7.1				7.6		508.0		4.0			409.0		6.0		4940						2760	2230	200						0.016	0.66	76							
26	16.86			7.1	7.1				7.5		380.0		4.0			406.0		7.0		4700						2620	2120	200						0.016	0.72	29							
27	20.54			7.2	7.1				7.3		460.0		4.0			431.0		4.0		4460						2450	1980	180						0.016	0.84	11							
28	16.31			7.2	7.2				7.4		480.0		4.0			384.0		4.0		4940						2610	2140	180						0.016	0.34	3120							
29	21.20			7.1	7.1				7.4		505.0		5.0			475.0		7.0		4700						2660	2170	190						0.016	0.28	14200							
30	22.78			7.0	6.9				7.3		620.0		4.0			466.0		7.0		4500						2550	1950	160						0.016	0.92	24200							
31	22.20			7.1	6.8				7.0		705.0		4.0			512.0		8.0		5500						2950	2400	180						0.016	0.83	13							
Total	1028.4	0	0																	0.0		0.0																					
Avg.	33.17			7.1	7.0				7.2		494.8		5.1			368.7		8.7		5928.06						3186.13	2571.94	217.42				10.99	1.94	0.016	1.47	23	43	11					

Industrial Connections: 36173 Flow 213190 BOD 497358 TSS 549179
 Sewer Connections X 3 = 102744 34248 1907 18

Operator _____
 Cert. # _____
 Phone # _____