



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

March 17th, 2026

Crystal Dennis
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**RE: Derek Guthrie Water Quality Treatment Center, KPDES No: KY0078956,
Discharge Monitoring Report for February 2026.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report for the Derek Guthrie WQTC, KPDES No. KY 0078956, for the month of February 2026.

There were no exceedances, overflows, or bypasses.

If you have any questions concerning the attached DMR's, please contact me at (502) 919-5794.

Sincerely,

Scott Reed
Process Supervisor

SR 2/26.

Cc: V. Teague, B. Tinnel

					Value NODI														
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample	=	5.2	=	7.8	19 - mg/L	01/07 - Weekly	CP - Composite							
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - 24 Hour Composite						
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	55.051	=	683676.0	03 - MGD	0	01/01 - Daily	CN - Continuous						
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD		99/99 - Continuous	RC - Recorder (auto)						
					Value NODI														
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	54.373	=	67.491	03 - MGD	0	01/01 - Daily	CN - Continuous						
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD		99/99 - Continuous	RF - Recorded Flow						
					Value NODI														
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample					< 0.016		01/01 - Daily	GR - Grab						
					Permit Req.					<= 0.019 MO AVG		01/01 - Daily	GR - Grab						
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample	=	4.0	=	7.0	13 - #/100mL	0	01/01 - Daily	GR - Grab						
					Permit Req.		<= 130.0 30DA GEO		<= 240.0 7 DA GEO	13 - #/100mL		01/01 - Daily	GR - Grab						
					Value NODI														
81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample	=	93.0			23 - %	1	01/01 - Daily	CA - Calculated						
					Permit Req.		>= 85.0 MO AV MN			23 - %		01/30 - Monthly	CA - Calculated						
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	97.0			23 - %	1	01/01 - Daily	CA - Calculated						
					Permit Req.		>= 85.0 MO AV MN			23 - %		01/30 - Monthly	CA - Calculated						
					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
DRGcoverLetter_2_26.pdf	pdf	35810.0
WCMOR061318022026.xls	xls	137216.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User: REED0325
 Name: Scott Reed
 E-Mail: reeds@louisvillemsd.org
 Date/Time: 2026-03-18 10:27 (Time Zone: -04:00)

Report Last Signed By

User: REED0325
 Name: Scott Reed
 E-Mail: reeds@louisvillemsd.org
 Date/Time: 2026-03-20 08:28 (Time Zone: -04:00)

Name of Sewage Treatment Plant: West County WTP County: Jefferson Month of: February 2026

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						Dig Sludge		Final								
		Grit 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	Primary (or Sec.)	Final	Million Gal/Day	MLSS mg/L X 1000	Gal/Day X 1000	Dissolved Oxygen (mg/L) #1	Dissolved Oxygen (mg/L) #2	MLSS (mg/L) X1000 #1	MLVSS (mg/L) X1000 #1	30 min. SettS.	SVI	% Solids	Phosphorus (mg/L) Inf	Phosphorus (mg/L) Eff	Chlorine Residual (mg/L)	NH3-N (mg/L)	E. Coli MPN	
1	37.7600			7.3	7.3					8.8			420		21				291		19		8060					3330	2870	250.0	0.08					0.02	8.90	12	
2	39.1900			7.4	7.2					8.7			656		25			399		36		7920						3530	3030	260.0	0.07		4.31	0.60	0.02	9.00	2		
3	38.6200			7.4	7.2					9.1			724		23			334		35		7140					3300	2900	270.0	0.08					0.02	8.80	2		
4	43.4000			7.3	7.7					8.9			473		20			518		93		6940					3580	3150	250.0	0.07					0.02	7.60	2		
5	39.4900			7.5	7.4					9.6			616		10			431		94		7180					3780	3290	250.0	0.07					0.02	6.20	41		
6	39.3900			7.4	7.2					9.1			596		20			431		29		6880					3700	3200	270.0	0.07					0.02	9.30	7		
7	40.8000			7.4	7.3					9.5			408		23			316		9		6680					3580	3160	260.0	0.07					0.02	6.90	2		
8	40.6200			7.3	7.2					8.9			352		23			251		11		7260					3770	3220	270.0	0.07					0.02	6.10	11		
9	40.4900			7.3	7.1					8.9			652		28			373		20		7580					3890	3340	285.0	0.07		4.25	0.39	0.02	6.20	2			
10	57.8800			7.4	7.1					8.9			336		63			225		58		7500					3130	2680	255.0	0.08					0.02	6.80	2		
11	97.1800			7.3	7.3					8.0			296		37			263		40		7180					2830	2390	180.0	0.06					0.02	5.40	2		
12	72.2200			7.3	7.1					8.5			392		12			227		16		7360					3450	2900	240.0	0.07					0.02	2.30	2		
13	61.4700			7.4	7.1					8.6			272		14			212		15		7880					3320	2810	230.0	0.07					0.02	2.60	2		
14	55.9400			7.3	7.3					8.5			732		9			437		9		7460					3420	2870	250.0	0.07					0.02	4.20	2		
15	76.4200			7.5	7.3					8.3			788		9			501		9		7880					3220	2780	230.0	0.07					0.02	3.30	2		
16	73.8000			7.4	7.3					8.2			492		5			234		18		6120					3530	3000	200.0	0.06		4.58	0.32	0.02	3.00	4			
17	64.4400			7.3	7.3					8.4			704		5			298		6		7000					3030	2560	210.0	0.07					0.02	3.60	2		
18	58.1800			7.1	7.3					8.2			856		10			562		11		7340					3280	2770	240.0	0.07					0.02	2.20	2		
19	61.7300			7.1	7.3					8.1			696		8			342		7		7260					3480	2910	250.0	0.07					0.02	2.30	2		
20	82.7700			7.3	6.4					7.8			680		6			257		8		6360					2760	2310	200.0	0.07					0.02	2.10	2		
21	63.3900			7.2	7.2					8.2			568		6			305		7		6840					3370	2910	250.0	0.07					0.02	2.60	2		
22	54.9300			7.3	7.3					8.3			616		8			340		10		7400					3210	2680	240.0	0.07					0.02	1.80	2		
23	52.7200			7.3	7.2					8.5			424		10			313		10		6700					3240	2740	250.0	0.08					0.02	3.00	2		
24	49.9900			7.2	7.1					8.4			924		17			534		22		6760					2930	2450	240.0	0.08		7.83	0.62	0.02	5.80	2			
25	49.1800			7.1	7.1					8.2			1120		23			501		28		8760					3480	2880	290.0	0.08					0.02	6.10	32		
26	49.9500			7.2	7.2					8.2			840		17			492		23		6980					3410	2840	250.0	0.07					0.02	5.80	22		
27	51.4100			7.4	7.2					8.1			704		15			431		27		7260					2950	2450	200.0	0.07					0.02	5.40	47		
28	48.0800			7.3	7.1					8.0			832		12			438		23		7800					3060	2570	220.0	0.07					0.02	7.80	2		
29	0.0000																																						
30	0.0000																																						
31	0.0000																																						
Total	#####	0	0																																				
Avg.	49.72			7.3	7.2					8.5			613		17							366		25		7267.1				3341	2845.00	242.50	#####		5.24	0.48	0.02	5.18	4

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator _____
 Residential Connections: _____
 Commercial Connections: _____ 473561 893515 1210873 Cert. # _____
 Industrial Connections: _____ Flow BOD TSS
 Sewer Connections X 4 = 0 Phone # _____

