



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

February 23, 2026

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 January 2026.**

Dear Ms. 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 January 2026.

There were no bypasses or exceedances to report.

Also attached is an overflow report.

If you have any questions concerning the attached DMR's, please contact me at (502)260-7395 or kevin.thompson@louisvillemtd.org.

Sincerely,

Kevin Thompson
Process Supervisor
KLT 01/26
Enclosures

cc: B. Tinnell
V. Graves
M. Saylor

					Value NODI														
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample	=													
					Permit Req.														
					Value NODI														
					Sample	=	41.276	=	42.887	03 - MGD									
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD									
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=													
					Permit Req.														
					Value NODI														
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	40.674	=	41.541	03 - MGD									
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD									
					Value NODI														
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample														
					Permit Req.														
					Value NODI														
					Sample														
					Permit Req.														
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample	=	5.0	=	12.0	13 - #/100mL									
					Permit Req.		<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL								
					Value NODI														
81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample	=	91.0			23 - %									
					Permit Req.		>=	85.0 MO AV MN		23 - %									
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	97.0			23 - %									
					Permit Req.		>=	85.0 MO AV MN		23 - %									
					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
202601_DRG_MOR.pdf	pdf	133562.0
202601_DRG_COVERLETTER.pdf	pdf	38086.0
Jan_26_All_Other_Service_Area.pdf	pdf	20087.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User: REED0325
Name: Scott Reed
E-Mail: reeds@louisvillemd.org
Date/Time: 2026-02-23 09:49 (Time Zone: -05:00)

Report Last Signed By

User: kevin.thompson@louisvillemd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemd.org
Date/Time: 2026-02-23 10:26 (Time Zone: -05:00)

Name of Sewage Treatment Plant West County WTP Jefferson County Month of: January 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 Return		WAS		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) X 1000 #1	MLVSS (mg/L) X 1000	30 min. SVI	60 min. SVI	% Solids	Raw	Final	Chlorine Residual (mg/L)	NH3-N (mg/L)	E. Coli (MPN)	Raw	Final	Final				
1	43.78			7.4	7.2				8.0			292.0		14.0			207.0		19.0		6000					2350	1970	140					0.016	5.60	10							
2	44.29			7.3	7.3				7.9			276.0		15.0			183.0		24.0		6100					2220	1890	150			5.47	1.27	0.016	5.50	33	30	16					
3	46.90			7.4	7.3				8.1			512.0		13.0			353.0		19.0		6080					2500	2120	170					0.016	6.00	12							
4	41.38			7.4	7.2				8.2			276.0		12.0			216.0		22.0		6060					2410	2030	170					0.016	5.30	45							
5	41.17			7.4	7.4				8.0			280.0		11.0			187.0		19.0		6100					2550	2210	190					0.016	4.80	18							
6	41.92			7.3	7.2				7.7			252.0		10.0			240.0		21.0		6100					2440	2080	175					0.016	5.30	4							
7	40.77			7.3	7.2				7.8			444.0		12.0			247.0		17.0		6200					2580	2200	175					0.016	4.70	2							
8	39.13			7.4	7.1				8.7			320.0		10.0			331.0		19.0		6260					2570	2110	180					0.016	5.30	2							
9	44.87			7.3	7.3				8.5			320.0		10.0			217.0		15.0		6020					2590	2200	175			7.48	1.07	0.016	5.10	8	35	16					
10	42.31			7.3	7.2				8.3			256.0		10.0			156.0		16.0		5780					2320	1970	170					0.016	5.20	2							
11	41.42			7.3	7.1				8.4			328.0		9.0			203.0		18.0		5720					2450	2080	185					0.016	6.00	2							
12	41.10			7.3	7.1				8.5			368.0		9.0			188.0		16.0		6000					3520	2960	185					0.016	5.60	2							
13	40.51			7.4	7.1				8.4			564.0		8.0			281.0		15.0		7320					2810	2390	200					0.016	6.40	2							
14	43.59			7.3	7.1				8.8			368.0		8.0			216.0		20.0		6320					2840	2430	205					0.016	7.10	2							
15	42.17			7.3	7.3				8.9			392.0		9.0			253.0		20.0		7340					3130	2630	205					0.016	7.70	2							
16	39.88			7.3	7.3				8.9			452.0		8.0			343.0		22.0		7040					2780	2340	205			4.14	1.20	0.016	7.60	12	28	16					
17	40.26			7.4	7.2				8.8			288.0		9.0			256.0		19.0		6940					3020	2550	200					0.016	8.10	87							
18	39.17			7.3	7.3				8.8			300.0		9.0			238.0		22.0		6660					2710	2310	195					0.016	7.60	447							
19	37.94			7.3	7.3				8.6			316.0		9.0			231.0		22.0		7340					3120	2610	240					0.016	7.30	2							
20	38.69			7.3	7.2				9.3			376.0		10.0			186.0		27.0		6260					2750	2360	200					0.016	7.60	2							
21	40.54			7.3	7.2				9.2			452.0		9.0			246.0		25.0		6440					2750.00	2360	215					0.016	7.00	9							
22	41.91			7.3	7.1				8.8			388.0		10.0			253.0		35.0		6940					2910	2490	200					0.016	8.10	2							
23	39.29			7.3	7.2				8.9			436.0		13.0			276.0		22.0		6200					2460.00	2090	190			6.34	0.69	0.016	7.50	2	34	14					
24	40.05			7.2	7.2				8.7			352.0		10.0			235.0		39.0		6620					2560	2200	180					0.016	8.40	7							
25	41.68			7.5	7.6				8.6			272.0		9.0			220.0		21.0		6900					2800	2440	150					0.016	9.10	26							
26	41.76			7.3	7.3				8.6			264.0		13.0			221.0		47.0		6660					2830	2470	200					0.016	7.10	2							
27	42.77			7.4	7.3				8.3			508.0		11.0			497.0		48.0		7160					3200	2790	200					0.016	4.40	4							
28	43.84			7.4	7.3				7.7			708.0		22.0			484.0		65.0		8400					3240	2820	230					0.016	5.80	2							
29	40.41			7.5	7.4				8.2			548.0		25.0			422.0		29.0		8340					3220	2840	240					0.016	4.60	2							
30	39.09			7.4	7.3				8.4			524.0		23.0			349.0		26.0		8380					3200	2760	240					0.016	6.10	2							
31	36.98			7.3	7.2				8.6			496.0		15.0			370.0		13.0		8320					3460	2980	250					0.016	10.00	4							
Total	1279.6	0	0																		0.0																					
Avg	41.28			7.3	7.2				8.5			384.8		11.8			267.9		24.6		6709.68					2783.55	2376.77	193.87			5.86	1.06	0.016	6.51	5	32	16					

Industrial Connections: 36173
34248
1907
 Sewer Connections X 3 = 18
102744

Flow 290365 BOD 439753 TSS 528003

Operator Dontay Mason
 Cert. # 84838
 Phone # 502-540-6000



KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region
KY0078956	WQTC DG	DEREK R. GUTHRIE WQTC	OHIO RIVER	JEFFERSON

Facility Type	Facility ID	Facility Address	Receiving Stream	Discharge To
Sewer Service Line	RR14246019	1900 FARNSLEY RD	MILL CREEK	DITCH

Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	4046789		1/20/2026 6:00:00 PM	WILLIAMS		REPAIRED - ISSUE RESOLVED	1/20/2026 12:00:00 AM	OBSTRUCTION-NOT GREASE / ROOTS	UNAUTHORIZED DISCHARGE-WATERS	01/20/26 07:30 PM	MAIN

Discharge Reporting:

Discharge Amount:	250 GAL
Cause:	OBSTRUCTION IN THE MAIN SEWER.
Clean Up:	MSD PERSONNEL CLEANED IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS IN AEA.
Impact:	SEWAGE/ WATER FOUND IN DITCH.
Repair:	FLUSHED OBSTRUCTION FROM THE MAIN SEWER 4046790.
Public Notification:	ADVISED IMPACTED PROPERTIES IN THE AREA.

Notifications:

1/21/26 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO: DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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IMSAST0004
Overflow Report
1/1/2026 12:00:00 AM to 1/31/2026 12:00:00 AM

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region
KY0098540	WQTCCC	CEDAR CREEK WQTC	CEDAR CREEK	JEFFERSON

Facility Type	Facility ID	Facility Address	Receiving Stream	Discharge To
Sewer Treatment Plant	WQTCCC	8405 CEDAR CREEK RD	CEDAR CREEK	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	4039388		1/1/2026 6:16:00 PM	REED		REPAIRED - ISSUE RESOLVED	1/1/2026 12:00:00 AM	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE- WATERS	01/01/26 06:21 PM	

Discharge Reporting:

Discharge Amount:	250 GAL
Cause:	BYPASS AT WASTEWATER TREATMENT PLANT.
Clean Up:	AREA DISINFECTED WITH LIME.
Control Zone:	OVERFLOW CONTAINED ON MSD PROPERTY.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND ON THE GROUND.
Repair:	RESET PLC LATCH.
Public Notification:	OVERFLOW CONTAINED ON MSD PROPERTY.

Notifications:

1/2/26 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/2/26 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION