



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

October 20, 2025

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 September 2025.**

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 September 2025.

There were no bypasses, overflow or exceedances to report.

Also attached is the 3rd quarter Biomonitoring report.

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

Sincerely,

Kevin Thompson
Process Supervisor
KLT 09/25
Enclosures

cc: B. Tinnell
V. Graves
M. Saylor

					Value NODI														
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample	=	7.2	=	9.8	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	=	39.731	=	56.065	03 - MGD	01/01 - Daily	CN - Continuous							
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD	0	99/99 - Continuous	RC - Recorder (auto)						
					Value NODI														
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	39.599	=	55.144	03 - MGD	01/01 - Daily	CN - Continuous							
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD	0	99/99 - Continuous	RF - Recorded Flow						
					Value NODI														
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample	<	0.016	<	0.016	19 - mg/L	01/01 - Daily	GR - Grab							
					Permit Req.	<=	0.019 MO AVG	<=	0.019 MX WK AV	19 - mg/L	0	01/01 - Daily	GR - Grab						
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample	=	6.0	=	7.0	13 - #/100mL	01/01 - Daily	GR - Grab							
					Permit Req.	<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL	0	01/01 - Daily	GR - Grab						
					Value NODI														
81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample	=	96.0			23 - %	01/01 - Daily	CA - Calculated							
					Permit Req.	>=	85.0 MO AV MN			23 - %	0	01/30 - Monthly	CA - Calculated						
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	98.0			23 - %	01/01 - Daily	CA - Calculated							
					Permit Req.	>=	85.0 MO AV MN			23 - %	0	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
202509_drg_coverletter.pdf	pdf	38708.0
202509_DRG_MOR.pdf	pdf	132152.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User: CURT.OTTO@LOUISVILLEMSD.ORG
 Name: Curt Otto
 E-Mail: curt.otto@louisvillemsd.org
 Date/Time: 2025-10-20 12:58 (Time Zone: -04:00)

Report Last Signed By

User: kevin.thompson@louisvillemsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemsd.org
 Date/Time: 2025-10-21 13:09 (Time Zone: -04:00)

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the [NPDES eReporting Help Desk](#) for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit			
Permit #:	KY0078956	Permittee:	Derek R Guthrie WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203
Permitted Feature:	001 External Outfall	Discharge:	001-2 QUARTERLY BIOMONITORING
Facility:		Facility Location:	DEREK R GUTHRIE WQTC MSD 11621 LOWER RIVER RD LOUISVILLE, KY 40272

Report Dates & Status			
Monitoring Period:	From 07/01/25 to 09/30/25	DMR Due Date:	10/28/25
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	James A.	Title:	Executive Director
Last Name:	Parrott	Telephone:	502-540-6000

No Data Indicator (NODI)

Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample												0	01/90 - Quarterly	24 - 24 Hour Composite
					Permit Req.											2F - tox acute			
					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
No attachments.

Report Last Saved By
Derek R Guthrie WQTC MSD

User: kevin.thompson@louisvillemsd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemsd.org
Date/Time: 2025-10-20 10:10 (Time Zone: -04:00)

Report Last Signed By
User: kevin.thompson@louisvillemsd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemsd.org
Date/Time: 2025-10-21 13:09 (Time Zone: -04:00)

Name of Sewage Treatment Plant West County WTP Jefferson County Month of: September 2025
 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	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	30.30			7.4	7.2					6.2			288.0		12.0				270.0		17.0	4830					2440	2050	150					0.016	1.70	32					
2	32.79			7.3	7.2					6.7			536.0		9.0				319.0		15.0	4960					2090	1750	150		5.80	1.49	0.016	2.10	2		37	14			
3	37.47			7.1	7.3					7.2			416.0		8.0				429.0		22.0	6040					2250	1930	150				0.016	2.10	2						
4	49.45			7.3	7.2					6.4			484.0		19.0				389.0		23.0	5600					2210	1870	150				0.016	5.70	2						
5	44.83			7.2	7.2					6.9			460.0		15.0				326.0		17.0	5930					2810	2410	200				0.016	3.40	2						
6	37.47			7.2	7.3					7.1			308.0		15.0				278.0		10.0	6800					2880	2470	190				0.016	3.70	11						
7	35.89			7.2	7.3					7.3			436.0		11.0				345.0		9.0	6170					2910	2470	175				0.016	2.70	31						
8	30.97			7.2	7.2					7.5			404.0		11.0				318.0		10.0	5830					3070	2580	210				0.016	3.20	2						
9	25.92			7.1	7.4					7.5			1100.0		10.0				676.0		9.0	5380					2820	2390	200		5.27	1.06	0.016	1.20	276	36	11				
10	34.23			7.3	7.2					7.7			664.0		13.0				606.0		19.0	6240					2540	2160	160				0.016	4.60	7						
11	33.60			7.2	7.2					7.6			484.0		11.0				343.0		11.0	5370					2380	2020	170				0.016	5.40	2						
12	32.59			7.2	7.1					6.9			592.0		11.0				446.0		16.0	6270					16400	13900	70				0.016	4.30	2						
13	31.66			7.3	7.2					6.9			372.0		12.0				317.0		13.0	6570					2800	2320	180				0.016	4.10	2						
14	36.11			7.3	7.1					6.8			448.0		10.0				318.0		9.0	5770					2780	2330	160				0.016	3.90	6						
15	34.25			6.9	7.2					6.4			408.0		10.0				293.0		10.0	5360					2280	1910	150				0.016	4.50	16						
16	32.93			7.1	7.3					6.8			500.0		11.0				446.0		15.0	5080					2160	1840	170		9.82	3.38	0.016	4.90	2	47	16				
17	32.11			7.1	7.2					6.7			530.0		13.0				392.0		18.0	5540					2370	2060	160				0.016	6.00	7						
18	31.73			7.3	7.3					7.0			572.0		13.0				423.0		17.0	6270					2440	2090	170				0.016	6.40	4						
19	32.42			7.2	7.3					6.9			508.0		12.0				393.0		16.0	6330					2440	2080	200				0.016	5.80	7						
20	30.07			7.3	7.3					6.1			464.0		12.0				333.0		13.0	5400					2290	1860	160				0.016	5.80	2						
21	34.46			7.5	7.2					6.7			408.0		11.0				272.0		12.0	5630					2350.00	2000	165				0.016	5.50	2						
22	38.67			7.4	7.1					6.3			692.0		14.0				319.0		16.0	5530					2210	1870	150				0.016	6.60	2						
23	48.92			7.0	7.3					6.1			380.0		18.0				199.0		17.0	5000					2510.00	2090	160		7.96	2.23	0.016	5.80	2	33	13				
24	62.70			7.0	7.3					6.6			464.0		8.0				307.0		10.0	5700					2210	1850	150				0.016	3.40	2						
25	94.25			7.0	7.1					6.3			300.0		11.0				188.0		16.0	6470					2090	1790	110				0.016	3.00	3930						
26	58.99			7.2	7.2					6.8			324.0		13.0				230.0		17.0	8070					2970	2480	160				0.016	2.50	2						
27	45.82			7.2	7.2					6.6			396.0		12.0				251.0		19.0	6830					2930	2450	170				0.016	2.50	7						
28	43.13			7.3	7.2					6.4			404.0		12.0				254.0		15.0	6570					2940	2410	165				0.016	2.50	2						
29	40.27			7.2	7.2					6.9			460.0		10.0				300.0		12.0	6970					2920	2410	170				0.016	2.70	13						
30	37.97			7.3	7.1					6.4			684.0		14.0				469.0		19.0	4600					2370	1960	150				0.016	2.70	2						
31																																									
Total	1191.9	0	0																			0.0		0.0																	
Avg.	39.73			7.2	7.2					6.8			482.9		12.0				348.3		14.7	5903.67					2995.33	2526.67	162.50		7.21	2.04	0.016	3.96	6	38	13				

----- 36173 ----- Operator Dontay Mason
 ----- 34248 -----
 ----- 1907 ----- 275647 Flow 576149 BOD 659168 TSS Cert. # 84838
 Industrial Connections: 18 Sewer Connections X 3 = 102744 Phone # 502-540-6000