



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

May 22nd, 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 April 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 April 2026.

There were no overflows, bypasses, or exceedances.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Scott Reed', with a long, sweeping horizontal line extending to the right.

Scott Reed
Process Supervisor

SR 4/26.

Cc: V. Teague, B. Tinnel

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 #:
Major:

KY0078956
Yes

Permittee:
Permittee Address:

Derek R Guthrie WQTC MSD
700 W Liberty St
Louisville, KY 40203

Facility:
Facility Location:

DEREK R GUTHRIE WQTC MSD
11621 LOWER RIVER RD
LOUISVILLE, KY 40272

Permitted Feature:

001
External Outfall

Discharge:

001-1
SANITARY WASTEWATER

Report Dates & Status

Monitoring Period:

From 04/01/26 to 04/30/26

DMR Due Date:

05/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Parameter 00610 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

Principal Executive Officer

First Name:
Last Name:

James
Parrott

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	7.0					19 - mg/L	0	01/01 - Daily	GR - Grab
					Permit Req.						>=	2.0 INST MIN					19 - mg/L		01/01 - Daily	GR - Grab
					Value NODI															
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample	=	4623.0	=	5723.0	26 - lb/d			=	12.0	=	14.0	19 - mg/L	0	01/01 - Daily	CP - Composite
					Permit Req.	<=	15021.0 MO AVG	<=	22532.0 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L		01/01 - Daily	24 - 24 Hour Composite
					Value NODI															
00310	BOD, 5-day, 20 deg. C	G - Raw Sewage Influent	0	--	Sample								=	348.0	=	411.0	19 - mg/L	0	01/01 - Daily	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/01 - Daily	24 - 24 Hour Composite
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.0			=	7.4	12 - SU	0	01/01 - Daily	GR - Grab
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU		01/01 - Daily	GR - Grab
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	3361.0	=	4590.0	26 - lb/d			=	8.0	=	11.0	19 - mg/L	0	01/01 - Daily	CP - Composite
					Permit Req.	<=	15021.0 MO AVG	<=	22532.0 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L		01/01 - Daily	24 - 24 Hour Composite
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	505.0	=	614.0	19 - mg/L	0	01/01 - Daily	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/01 - Daily	24 - 24 Hour Composite
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	14.0	=	17.3	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - 24 Hour Composite
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample								=	45.0	=	61.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - 24 Hour Composite
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	0	--	Sample								=	3.0	=	4.0	19 - mg/L	0	01/01 - Daily	CP - Composite
					Permit Req.								<=	20.0 MO AVG	<=	30.0 MX WK AV	19 - mg/L		01/01 - Daily	24 - 24 Hour Composite
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	2.0	=	2.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/07 - Weekly	24 - 24 Hour Composite

					Value NODI																			
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample									=	11.2	=	13.9	19 - mg/L	0	01/07 - Weekly 01/07 - Weekly	CP - Composite 24 - 24 Hour Composite			
					Permit Req.													Req Mon MO AVG					Req Mon MX WK AV	19 - mg/L
					Value NODI																			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	46.673	=	107.5	03 - MGD									0	01/01 - Daily 99/99 - Continuous	CN - Continuous RC - Recorder (auto)			
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD														
					Value NODI																			
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	46.109	=	50.063	03 - MGD									0	01/01 - Daily 99/99 - Continuous	CN - Continuous RF - Recorded Flow			
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD														
					Value NODI																			
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample									<	0.016	<	0.016	19 - mg/L	0	01/01 - Daily 01/01 - Daily	GR - Grab GR - Grab			
					Permit Req.									<=	0.019 MO AVG	<=	0.019 MX WK AV	19 - mg/L						
					Value NODI																			
51040	E. coli	1 - Effluent Gross	0	--	Sample									=	5.0	=	13.0	13 - #/100mL	0	01/01 - Daily 01/01 - Daily	GR - Grab GR - Grab			
					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						=	97.0						23 - %	0	01/01 - Daily 01/30 - Monthly	CA - Calculated CA - Calculated			
					Permit Req.									>=	85.0 MO AV MN							23 - %		
					Value NODI																			
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	98.0						23 - %	0	01/01 - Daily 01/30 - Monthly	CA - Calculated CA - Calculated			
					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
DRGCoverLetter_4_26.pdf	pdf	34692.0
WCMOR061318042026.xls	xls	137728.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User:CURT.OTTO@LOUISVILLEMSD.ORG

Name:Curt Otto

E-Mail:curt.otto@louisvillemسد.org

Date/Time:2026-05-22 12:54 (Time Zone: -04:00)

Report Last Signed By

User:REED0325

Name:Scott Reed

E-Mail:reeds@louisvillemسد.org

Date/Time:2026-05-22 13:32 (Time Zone: -04:00)

Name of Sewage Treatment Plant: West County WTP County Jefferson Month of: April 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	Return		WAS	Dissolved Oxygen (mg/L) #1	Dissolved Oxygen (mg/L) #2	MLSS (mg/L) X1000 #1	MLVSS (mg/L) X1000 #1	30 min. Settle.	SVI	% Solids	Phosphorus (mg/L) Inf	Phosphorus (mg/L) Eff	Chlorine Residual (mg/L)	NH3-N (mg/L)	E. Coli MPN		
																					Million Gal/Day	MLSS mg/L X 1000														Gal/Day X 1000	
1	44.3800			6.9	7.1				8.0		548		10				446		11		5280				2460	2110	230.0	0.09				0.02	5.60	2			
2	44.3600			7.4	7.2				8.2		604		16				447		27		5820				2610	2210	260.0	0.10				0.02	3.80	4			
3	47.1600			7.3	7.3				7.8		548		13				489		16		5500				2720	2300	250.0	0.09		10.02	1.56	0.02	4.20	4			
4	51.5800			7.3	7.3				7.8		460		10				303		12		6440				2500	2110	230.0	0.09				0.02	3.70	12			
5	60.8400			7.2	7.2				7.8		236		9				174		11		5920				1990	1640	190.0	0.10				0.02	2.00	2			
6	49.5900			7.2	7.1				8.2		244		15				181		17		5520				2830	2350	275.0	0.10				0.02	2.60	116			
7	46.4000			6.9	7.3				8.2		424		6				243		5		5200				2670	2220	250.0	0.09				0.02	2.00	13			
8	43.5500			7.1	7.2				8.5		344		7				248		9		4880				2300	1910	240.0	0.10				0.02	2.40	260			
9	43.2300			7.4	7.2				8.4		480		8				293		10		4700				2440	2050	250.0	0.10		8.93	1.48	0.02	2.30	33			
10	41.6700			7.3	7.3				8.6		468		8				402		11		5500				2950	2500	250.0	0.08				0.02	4.10	2			
11	40.5000			7.3	7.3				8.4		404		5				266		7		5360				2630	2230	240.0	0.09				0.02	4.00	2			
12	41.2700			7.2	7.1				8.1		564		6				388		9		5880				2860	2380	250.0	0.09				0.02	3.90	2			
13	35.1600			7.3	7.2				8.0		512		6				348		10		6420				3310	2790	300.0	0.09				0.02	3.40	2			
14	28.5100			6.9	7.0				7.0		648		6				343		7		5540				3220	2680	290.0	0.09				0.02	0.81	2			
15	28.3000			7.2	7.3				7.2		520		7				486		15		5900				2890	2400	240.0	0.08				0.02	1.30	2			
16	39.8700			7.3	7.3				7.6		824		8				532		14		3920				1850	1550	175.0	0.09		11.90	2.16	0.02	3.40	2			
17	38.1000			7.3	7.1				7.7		564		7				476		12		5360				2500	2100	230.0	0.09				0.02	4.20	2			
18	37.3800			7.3	7.3				8.3		488		5				379		9		5400				2560	2140	220.0	0.09				0.02	2.20	2			
19	39.4700			7.3	7.2				8.3		404		7				293		10		5820				2690	2290	250.0	0.09				0.02	4.00	2			
20	37.2300			7.1	7.3				8.3		596		10				373		10		6020				2830	2370	250.0	0.09				0.02	2.90	2			
21	37.2300			7.2	7.1				8.3		624		6				340		11		5520				2550	2130	240.0	0.09				0.02	3.30	2			
22	37.6000			7.1	7.1				8.7		668		8				520		12		5620				2700	2270	260.0	0.10				0.02	4.30	2			
23	36.7100			7.0	7.3				8.1		772		8				535		12		5660				2790	2360	230.0	0.08		13.90	1.60	0.02	4.40	2			
24	36.1000			7.2	7.2				7.9		568		6				307		9		5540				2810	2370	240.0	0.09				0.02	4.00	2			
25	48.5600			7.2	7.4				7.5		508		9				344		16		6180				2390	2020	200.0	0.08				0.02	4.40	9			
26	40.0300			7.3	7.4				7.9		512		11				314		18		6600				2890	2400	270.0	0.09				0.02	4.80	20			
27	37.5000			7.3	7.2				7.9		744		9				521		13		6600				3130	2660	290.0	0.09				0.02	4.60	4			
28	#####			6.8	7.1				7.0		528		12				208		13		7140				2060	1640	150.0	0.07				0.02	4.50	14100			
29	98.7600			6.9	7.0				8.0		101		7				104		9		7480				2880	2310	200.0	0.07				0.02	1.50	2			
30	81.6400			7.2	7.4				7.0		248		7				133		11		7060				2170	1730	180.0	0.08				0.02	1.60	2			
31	0.0000																											#####									
Total	#####	0	0																	0.0		0.0							#####								
Avg.	45.17			7.2	7.2				8.0		505		8				348		12		5792.7				2639	2207.33	237.67	#####		11.19	1.70	0.02	3.34		5		

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent

Residential Connections: Operator

Commercial Connections: 430163 Flow 770818 BOD 906038 TSS Cert. #

Industrial Connections: Phone #

Sewer Connections X 4 = 0

Name of Sewage Treatment Plan West County WTP Jefferson Month of: April 2026
County
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	Final	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 & #2	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			
																																									Return
1	44.38			6.9	7.1					8.0		548.0		10.0				446.0		11.0		5280				2460	2110	230				10.02	1.56	0.016	5.60	2					
2	44.36			7.4	7.2					8.2		604.0		16.0				447.0		27.0		5820				2610	2210	260						0.016	3.80	4	42				
3	47.16			7.3	7.3					7.8		548.0		13.0				489.0		16.0		5500				2720	2300	250						0.016	4.20	4					
4	51.58			7.3	7.3					7.8		460.0		10.0				303.0		12.0		6440				2500	2110	230						0.016	3.70	12					
5	60.84			7.2	7.2					7.8		236.0		9.0				174.0		11.0		5920				1990	1640	190						0.016	2.00	2					
6	49.59			7.2	7.1					8.2		244.0		15.0				181.0		17.0		5520				2830	2350	275						0.016	2.60	116					
7	46.40			6.9	7.3					8.2		424.0		6.0				243.0		5.0		5200				2670	2220	250						0.016	2.00	13					
8	43.55			7.1	7.2					8.5		344.0		7.0				248.0		9.0		4880				2300	1910	240						0.016	2.40	260					
9	43.23			7.4	7.2					8.4		480.0		8.0				293.0		10.0		4700				2440	2050	250			8.93	1.48	0.016	2.30	33	28					
10	41.67			7.3	7.3					8.6		468.0		8.0				402.0		11.0		5500				2950	2500	250						0.016	4.10	2					
11	40.50			7.3	7.3					8.4		404.0		5.0				266.0		7.0		5360				2630	2230	240						0.016	4.00	2					
12	41.27			7.2	7.1					8.1		564.0		6.0				388.0		9.0		5880				2860	2380	250						0.016	3.90	2					
13	35.16			7.3	7.2					8.0		512.0		6.0				348.0		10.0		6420				3310	2790	300						0.016	3.40	2					
14	28.51			6.9	7.0					7.0		648.0		6.0				343.0		7.0		5540				3220	2680	290						0.016	0.81	2					
15	28.30			7.2	7.3					7.2		520.0		7.0				486.0		15.0		5900				2890	2400	240						0.016	1.30	2					
16	39.87			7.3	7.3					7.6		824.0		8.0				532.0		14.0		3920				1850	1550	175			11.90	2.16	0.016	3.40	2	61					
17	38.10			7.3	7.1					7.7		564.0		7.0				476.0		12.0		5360				2500	2100	230						0.016	4.20	2					
18	37.38			7.3	7.3					8.3		488.0		5.0				379.0		9.0		5400				2560	2140	220						0.016	2.20	2					
19	39.47			7.3	7.2					8.3		404.0		7.0				293.0		10.0		5820				2690	2290	250						0.016	4.00	2					
20	37.23			7.1	7.3					8.3		596.0		10.0				373.0		10.0		6020				2830	2370	250						0.016	2.90	2					
21	37.23			7.2	7.1					8.3		624.0		6.0				340.0		11.0		5520				2550.00	2130	240						0.016	3.30	2					
22	37.60			7.1	7.1					8.7		668.0		8.0				520.0		12.0		5620				2700	2270	260						0.016	4.30	2					
23	36.71			7.0	7.3					8.1		772.0		8.0				535.0		12.0		5660				2790.00	2360	230			13.90	1.60	0.016	4.40	2	50					
24	36.10			7.2	7.2					7.9		568.0		6.0				307.0		9.0		5540				2810	2370	240						0.016	4.00	2					
25	48.56			7.2	7.4					7.5		508.0		9.0				344.0		16.0		6180				2390	2020	200						0.016	4.40	9					
26	40.03			7.3	7.4					7.9		512.0		11.0				314.0		18.0		6600				2890	2400	270						0.016	4.80	20					
27	37.50			7.3	7.2					7.9		744.0		9.0				521.0		13.0		6600				3130	2660	290						0.016	4.60	4					
28	107.50			6.8	7.1					7.0		528.0		12.0				208.0		13.0		7140				2060	1640	150						0.016	4.50	14100		142	0.005		
29	98.76			6.9	7.0					8.0		101.0		7.0				104.0		9.0		7480				2880	2310	200						0.016	1.50	2					
30	81.64			7.2	7.4					7.0		248.0		7.0				133.0		11.0		7060				2170	1730	180						0.016	1.60	2					
31																																									
Total	1400.2	0	0																		0.0		0.0																		
Avg.	46.67			7.2	7.2					8.0		505.1		8.4				347.9		11.9		5792.67				2639.33	2207.33	237.67			11.19	1.70	0.016	3.34	5	43	142	0.005			

36173
34248
1907
Industrial Connections: 18
Sewer Connections X 3 = 102744
Flow 341758
BOD 693768
TSS 833495
Operator Dontay Mason
Cert. # 84838
Phone # 502-540-6000

