



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

October 10, 2022

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

**Re: Derek Guthrie Water Quality Treatment Center  
KPDES Permit No. KY0078956,  
Discharge monitoring report for September 2022.**

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 September 2022.

There were no bypasses, overflow 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 09/22

Enclosures

cc: B. Tinnell  
V. Graves  
M. Saylor



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						=	19.0	=	30.0	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						=	98.0			23 - %	01/30 - Monthly	CA - CALCTD
					Permit Req.					>=	85.0 MO AV MN			23 - %	0	01/30 - Monthly	CA - CALCTD
					Value NODI												
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	99.0			23 - %	01/30 - Monthly	CA - CALCTD
					Permit Req.					>=	85.0 MO AV MN			23 - %	0	01/30 - Monthly	CA - CALCTD
					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
2209_DRG_Coverletter.pdf	pdf	35948.0
2209_DRG_MOR.pdf	pdf	132022.0

**Report Last Saved By**

Derek R Guthrie WQTC MSD

User: staci.huber@louisvillemmsd.org  
 Name: Staci Huber  
 E-Mail: staci.huber@louisvillemmsd.org  
 Date/Time: 2022-10-12 09:49 (Time Zone: -04:00)

**Report Last Signed By**

User: kevin.thompson@louisvillemmsd.org  
 Name: Kevin Thompson  
 E-Mail: kevin.thompson@louisvillemmsd.org  
 Date/Time: 2022-10-14 13:10 (Time Zone: -04:00)

## DMR Copy of Record

Permit																					
Permit #:	KY0078956			Permittee:	Derek R Guthrie WQTC MSD				Facility:	DEREK R GUTHRIE WQTC MSD											
Major:	Yes			Permittee Address:	700 W Liberty St Louisville, KY 40203				Facility Location:	11621 LOWER RIVER RD LOUISVILLE, KY 40272											
Permitted Feature:	001 External Outfall			Discharge:	001-2 QUARTERLY BIOMONITORING																
Report Dates & Status																					
Monitoring Period:	From 07/01/22 to 09/30/22			DMR Due Date:	10/28/22				Status:	NetDMR Validated											
Considerations for Form Completion																					
Principal Executive Officer																					
First Name:	James A.			Title:	Executive Director				Telephone:	502-540-6000											
Last Name:	Parrott																				
No Data Indicator (NODI)																					
Form NODI:	--																				
Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Sample Permit Req.	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 Permit Req.														0	01/90 - Quarterly	24 - COMP24
					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																					
<b>Derek R Guthrie WQTC MSD</b>																					
User:	kevin.thompson@louisvillemtd.org																				
Name:	Kevin Thompson																				
E-Mail:	kevin.thompson@louisvillemtd.org																				
Date/Time:	2022-10-12 08:57 (Time Zone: -04:00)																				
Report Last Signed By																					
User:	kevin.thompson@louisvillemtd.org																				
Name:	Kevin Thompson																				
E-Mail:	kevin.thompson@louisvillemtd.org																				
Date/Time:	2022-10-14 13:10 (Time Zone: -04:00)																				

Name of Sewage Treatment Plan: West County WTP County: Jefferson Month of: September 2022  
 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		Chlorine Residual (mg/L)	Final NH3-N (mg/L)	Final E. Coll (MPN)	Total mg/L		Cr +6 mg/L		
		Removed (cu. ft.)	Screenings (cu. ft.)	Raw	Final	Raw	Primary (or Sec.)	Final	Stream Above	Final	Raw	Primary (or Sec.)	Final	Raw	Primary (or Sec.)	Final	Raw	Primary (or Sec.)	Final	Gal/Day Return	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	Raw		Final	
1	27.72			7.0	7.1			7.0		892.0		6.0			423.0	7.0		4640						3840		170				14.60	1.77	0.016	0.77	2		54	12	
2	24.41			7.0	7.2			6.8		780.0		3.0			329.0	4.0		5240						2580		160					0.016	0.71	45					
3	23.08			7.2	7.2			6.8		584.0		4.0			239.0	6.0		4660						2800		170					0.016	1.20	4					
4	45.78			7.1	7.0			6.5		344.0		3.0			205.0	3.0		6300						1780		120					0.016	0.77	7					
5	27.90			7.0	7.1			7.2		664.0		3.0			358.0	3.0		5180						2400		150					0.016	0.51	42					
6	29.84			7.1	7.0			6.8		572.0		5.0			343.0	7.0		4660						2920		170					0.016	1.10	22					
7	33.49			7.0	7.2			7.1		764.0		3.0			324.0	3.0		5260						3400		180					0.016	0.53	2					
8	23.40			7.1	7.0			7.0		716.0		3.0			343.0	3.0		4500						3460		190		4.24	2.31	0.016	0.94	21						
9	22.79			7.1	7.2			6.7		688.0		3.0			347.0	5.0		4000						2940		190					0.016	0.41	20					
10	20.77			7.1	7.1			6.6		508.0		3.0			324.0	3.0		4180						2980		190					0.016	0.49	40					
11	25.30			7.0	7.1			6.6		948.0		5.0			465.0	5.0		4140						3260		2800		180			0.016	0.95	21	57	17			
12	25.57			7.1	7.3			7.4		807.0		5.0			446.0	19.0		6080						2400		160					0.016	1.10	58					
13	22.75			7.0	7.2			6.7		887.0		4.0			429.0	7.0		4760						2760		150					0.016	0.50	2					
14	22.02			7.1	7.1			7.5		944.0		5.0			483.0	7.0		4160						2320		140					0.016	0.50	57					
15	20.85			7.1	7.2			7.4		844.0		5.0			410.0	5.0		4520						2620		150		21.30	2.16	0.016	0.27	43						
16	18.64			7.0	7.2			7.4		676.0		4.0			404.0	6.0		4320						2620		150					0.016	0.49	63					
17	21.48			7.2	7.1			7.2		576.0		5.0			423.0	8.0		4120						2600		160					0.016	0.64	24					
18	21.00			7.2	7.1			7.3		576.0		7.0			328.0	7.0		4200						2480		1960		150			0.016	0.49	35	52	24			
19	21.99			7.0	7.3			7.1		513.0		6.0			338.0	9.0		4220						2040		130					0.016	1.00	23					
20	20.51			6.9	7.3			6.6		468.0		5.0			286.0	6.0		3780						2580		150					0.016	0.45	10					
21	20.08			7.2	7.1			7.1		456.0		5.0			278.0	6.0		3360						2700.00		140					0.016	0.70	44					
22	19.35			7.1	7.0			6.9		420.0		4.0			320.0	6.0		4000						2260		140		12.60	2.84	0.016	0.61	2						
23	18.52			7.1	7.1			7.0		472.0		4.0			444.0	6.0		3980						2820.00		170					0.016	0.48	23					
24	18.72			7.0	7.1			7.2		500.0		4.0			393.0	4.0		3240						2080		170					0.016	7.20	16					
25	18.94			7.1	7.1			7.2		436.0		6.0			398.0	8.0		3500						2760		2220		150			0.016	0.66	54	39	16			
26	20.27			7.3	7.3			7.1		600.0		5.0			483.0	10.0		3700						2120		140					0.016	0.28	22					
27	18.52			7.1	7.0			7.1		567.0		5.0			411.0	10.0		3840						2620		150					0.016	0.20	42					
28	19.93			7.1	7.0			7.1		488.0		6.0			348.0	12.0		3600						2180		140					0.016	0.41	289					
29	18.32			7.0	7.0			6.6		512.0		5.0			337.0	10.0		3220						2380		140					0.016	0.43	2					
30	17.54			7.0	7.1			6.9		300.0		7.0			288.0	16.0		3780						2880		140					0.016	1.30	28					
31																																						
Total	689.3	0	0															0.0																				
Avg.	22.98			7.1	7.1			7.0		616.7		4.6			364.9	7.0		4304.67																				

Industrial Connections: 36173 34248 1907 116068 308550 459993 Operator: Kendrietta Hayes  
 Sewer Connections X 3 = 102744 18 Flow BOD TSS Cert. #: 25950  
 Phone #: 502-540-6000