



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

October 21, 2019

Ms. Crystal Dennis
Kentucky Division of Water
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**Re: Derek Guthrie Water Quality Treatment Center
KPDES Permit No. KY0078956,
Discharge monitoring report for September 2019.**

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 2019.

There were no exceedances, overflows or bypass reports for the Derek Guthrie WQTC.

Also attached is the 3rd quarter Biomonitoring DMR.

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 09/19
Enclosures

cc: C. Roth
V. Graves
R. Shaw

81011 Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	98	23 - %	01/30 - Monthly	CA - CALCTD	
				Permit Req.	>=	85 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
201909_DRG_MOR.pdf	pdf	86578
201909_DRG_COVERLETTER.pdf	pdf	36400

Report Last Saved By

Derek R Guthrie WQTC MSD

User: WRIGHTDUANE
 Name: Duane Wright
 E-Mail: duane.wright@louisvillemsd.org
 Date/Time: 2019-10-21 10:22 (Time Zone: -04:00)

Report Last Signed By

User: kevin.thompson@louisvillemsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemsd.org
 Date/Time: 2019-10-22 08:51 (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 07/01/19 to 09/30/19		DMR Due Date:	10/28/19		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	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										<	1	2F - tox acute	01/90 - Quarterly	24 - COMP24	
					Permit Req.										<=	1 MAXIMUM	2F - tox acute	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																				
Derek R Guthrie WQTC MSD																				
User:	WRIGHTDUANE																			
Name:	Duane Wright																			
E-Mail:	duane.wright@louisvillemtd.org																			
Date/Time:	2019-10-21 10:18 (Time Zone: -04:00)																			
Report Last Signed By																				
User:	kevin.thompson@louisvillemtd.org																			
Name:	Kevin Thompson																			
E-Mail:	kevin.thompson@louisvillemtd.org																			
Date/Time:	2019-10-22 08:52 (Time Zone: -04:00)																			

Industrial Connections: 36173
 34248
 1907
 102744
 Flow 99410
 BOD 97895
 TSS 120436
 Operator Deborah Halaway
 Cent. # 16354
 Phone # 502-540-6000

Date	Total Flow (MG)	Raw Sewage	Screenings (cu. ft.)	pH	Settleable Solids (m/L)	Dissolved Oxygen (mg/L)	Suspended Solids (mg/L)	Total Solids (mg/L)	5-day BOD (mg/L)	Return Sludge WAS	Aeration Basin	Phosphorus (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	E. Coli (MPN)	Raw	Final	Total mg/L	Cf +6
1	19.18	7.6	7.4	7.1	7.0	328.0	232.0	187.0	9.0	4480	3380	2500	140	0.16	0.39	6			
2	19.46	7.1	7.1	7.0	328.0	246.0	160.0	124.0	7.0	4570	3530	2600	150	0.16	0.20	21	32	19	
3	20.22	7.4	7.0	7.1	328.0	246.0	160.0	124.0	7.0	4570	3530	2600	150	0.16	0.20	21	32	19	
4	20.95	7.1	6.9	7.0	328.0	246.0	160.0	124.0	6.0	4260	2790	2050	150	0.16	0.23	162			
5	19.29	7.2	7.0	7.2	278.0	278.0	172.0	172.0	7.0	4140	2360	150		0.16	0.20	2			
6	19.33	7.2	6.8	7.2	278.0	278.0	172.0	172.0	7.0	4140	2360	150		0.16	0.20	2			
7	19.04	7.3	7.0	7.0	293.0	293.0	149.0	149.0	7.0	4380	3020	2210	150	0.16	0.80	12			
8	19.42	7.1	6.9	7.0	288.0	288.0	181.0	181.0	6.0	4000	2680	2040	125	0.16	0.20	2			
9	18.97	7.1	7.0	7.1	208.0	208.0	174.0	174.0	8.0	4480	2890	2100	130	0.16	0.27	15	29	23	
10	18.18	7.0	7.3	7.0	316.0	316.0	211.0	211.0	13.0	5360	2400	1860	110	0.16	0.85	10			
11	18.52	7.1	6.9	7.1	288.0	288.0	181.0	181.0	6.0	4000	2680	2040	125	0.16	0.20	2			
12	19.34	7.1	6.9	7.0	256.0	256.0	174.0	174.0	7.0	4000	2200	130		0.16	0.20	2			
13	18.43	7.1	6.8	7.1	282.0	282.0	177.0	177.0	7.0	4480	2920	2160	140	0.16	0.30	4			
14	18.14	7.3	6.7	7.0	340.0	340.0	177.0	177.0	7.0	4480	2920	2160	140	0.16	0.30	4			
15	18.94	7.1	6.8	7.0	176.0	176.0	148.0	148.0	9.0	4430	2870	2150	135	0.16	0.27	10			
16	18.94	7.1	6.8	7.0	176.0	176.0	148.0	148.0	9.0	4430	2870	2150	135	0.16	0.27	10			
17	23.81	7.2	6.7	7.0	336.0	336.0	190.0	190.0	8.0	4280	2800	1940	140	0.16	1.10	53			
18	27.92	7.2	7.0	7.2	276.0	276.0	216.0	216.0	8.0	5060	2160	1660	140	0.16	0.27	4			
19	28.79	7.3	6.9	7.0	308.0	308.0	204.0	204.0	8.0	5280	2820	2430	140	0.16	0.82	11			
20	28.79	7.3	6.9	7.0	308.0	308.0	204.0	204.0	8.0	5280	2820	2430	140	0.16	0.82	11			
21	28.74	7.1	7.1	7.1	180.0	180.0	144.0	144.0	8.0	5600	3240.00	2540	140	0.16	0.65	12			
22	28.79	7.0	7.1	7.0	264.0	264.0	224.0	224.0	9.0	5000	2900	2260	170	0.16	1.60	20	31	17	
23	25.21	7.2	6.8	7.0	268.0	268.0	190.0	190.0	5.0	5780	3340.00	2660	170	0.16	0.41	2			
24	18.11	7.2	6.8	7.2	172.0	172.0	151.0	151.0	4.0	5000	3420	2740	160	0.16	0.38	2			
25	18.15	7.1	6.7	7.1	180.0	180.0	151.0	151.0	4.0	5000	3420	2740	160	0.16	0.38	2			
26	17.86	6.8	6.8	7.0	280.0	280.0	189.0	189.0	5.0	4480	3660	2880	160	0.16	0.18	21			
27	17.51	6.9	7.0	6.9	263.0	263.0	371.0	371.0	5.0	4820	3500	3020	160	0.16	0.27	75			
28	17.83	6.9	6.9	7.0	196.0	196.0	194.0	194.0	6.0	4090	3880	3020	150	0.16	0.20	4			
29	18.25	6.9	6.9	7.0	260.0	260.0	180.0	180.0	5.0	4030	2780	2160	150	0.16	0.20	64			
30	18.57	7.1	7.1	7.1	248.0	248.0	171.0	171.0	5.0	3940	3180	2460	140	0.16	0.31	55			
31	633.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	21.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

KPDES Permit Number: KY078956
 Name of Sewage Treatment Plant: West County WTP
 County: Jefferson
 Month of: September
 2019
 Receiving Stream: Ohio River
 Plant Capacity: 30 MGD