



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

February 14, 2018

Ms. Cheryl Edwards
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 January 2018.**

Dear Ms. Cheryl Edwards:

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 2018.

There were no exceedances, overflow or bypass reports 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 01/18
Enclosures

cc: C. Roth
V. Graves
R. Shaw

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
201801_DRG_MOR.pdf	pdf	92640
20181_DRG_covertter.pdf	pdf	80180

Report Last Saved By**Derek R Guthrie WQTC MSD**

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemmsd.org
Date/Time: 2018-02-14 13:33 (Time Zone: -05:00)

Report Last Signed By

User: kevin.thompson@louisvillemmsd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemmsd.org
Date/Time: 2018-02-15 13:02 (Time Zone: -05:00)

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-R REASONABLE POTENTIAL																
Report Dates & Status																					
Monitoring Period:	From 01/01/18 to 01/31/18			DMR Due Date:	02/28/18			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. Value 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				
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--								<	0.005		<	0.005	19 - mg/L		01/30 - Monthly	CP - COMPOS	
														Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - COMPOS	
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:	2018-02-14 13:29 (Time Zone: -05:00)																				
Report Last Signed By																					
User:	kevin.thompson@louisvillemsd.org																				
Name:	Kevin Thompson																				
E-Mail:	kevin.thompson@louisvillemsd.org																				
Date/Time:	2018-02-15 13:03 (Time Zone: -05:00)																				

Name of Sewage Treatment Plant:

West County WTP

County: Jefferson

Month of:

January

2018

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)		Sludge		Aeration Basin						Digested Final			Final										
		Removed (cu. ft.)	Screening (cu. ft.)	Raw	Final	Raw	Primary (or Sec.)	Final	Stream Above	Final	Stream Below	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	MLSS (mg/L) X1000 #1	MLVSS (mg/L) X1000 #1	30 min. SVI	60 min. SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Coliform Col./100ml	Hexavalent Chromium	Hardness			
1	23.65			6.9	6.6			7.0		390.0		10.0		297.0	14.0		4570						2760	2160	180												
2	22.75			7.2	6.8			7.0		190.0		13.0		206.0	8.0		2910						2170	1710	130			2.35	6.10	0.016	4.30	2					
3	21.98			7.3	7.2			7.0		350.0		9.0		332.0	21.0		4570						2150	1710	130												
4	21.33			7.2	7.0			7.0		214.0		7.0		202.0	10.0		4770						2310	1840	130												
5	20.29			7.2	7.0			7.0		490.0		7.0		384.0	9.0		4540						2130	1700	130												
6	19.82			7.4	7.1			7.0		420.0		8.0		278.0	11.0		4150						2290	1820	140												
7	20.88			7.2	7.1			7.0		570.0		10.0		363.0	10.0		4160						2310	1900	140												
8	23.22			7.3	7.1			6.0		536.0		12.0		384.0	16.0		4240						2170	1730	140												
9	23.16			7.3	7.0			7.0		400.0		13.0		285.0	25.0		4400						2070	1630	130		2.00	6.00	0.016	4.00	8				232		
10	24.30			7.1	7.0			6.0		593.0		14.0		450.0	21.0		4310						2040	1610	130												
11	45.37			7.2	7.2			6.0		384.0		15.0		260.0	24.0		5840						2060	1660	125												
12	80.68			7.0	6.8			7.0		260.0		18.0		268.0	10.0		5640						2080	1740	120												
13	71.81			7.4	6.9			6.0		252.0		16.0		390.0	33.0		7090						2280	1860	100												
14	56.09			7.3	6.8			6.0		245.0		16.0		224.0	20.0		7420						2520	2090	130												
15	50.54			7.5	7.2			6.0		180.0		15.0		170.0	17.0		6880						2860	2190	140												
16	46.52			6.7	7.1			8.0		204.0		14.0		280.0	8.0		7120						3090	2430	160		0.81	7.70	0.016	4.60	3						
17	43.64			7.8	7.3			8.0		452.0		14.0		348.0	15.0		7610						3510	2850	150												
18	42.85			7.5	7.2			8.0		248.0		12.0		223.0	27.0		7300						2870	2380	180												
19	31.92			7.3	7.0			8.0		440.0		10.0		358.0	11.0		6910						2770	2230	180												
20	26.23			7.3	7.2			7.0		510.0		11.0		352.0	8.0		5920						3400	2840	210												
21	30.99			7.1	7.2			8.0		293.0		10.0		292.0	8.0		6170						3370.00	2810	190												
22	42.01			7.4	7.4			8.0		545.0		17.0		462.0	7.0		5730						2800	2300	170												
23	35.35			7.8	7.3			8.0		283.0		10.0		180.0	9.0		6140						3010.00	2410	150		1.07	6.90	0.016	3.80	4						
24	29.79			8.6	7.3			8.0		1070.0		14.0		883.0	11.0		2990						1770	1420	125												
25	26.79			7.2	7.1			8.0		470.0		9.0		328.0	9.0		5240						2460	2010	150												
26	24.86			7.4	7.2			8.0		545.0		9.0		336.0	8.0		4970						2470	2000	160												
27	32.24			8.6	7.4			8.0		495.0		13.0		330.0	23.0		5090						2490	2020	160												
28	40.16			7.1	7.3			8.0		276.0		8.0		174.0	9.0		5320						2790	2280	170												
29	30.90			7.5	7.0			8.0		257.0		5.0		178.0	7.0		5530						2940	2330	160												
30	28.51			8.2	7.1			8.0		320.0		5.0		228.0	15.0		5020						2840	2260	180		2.92	7.50	0.016	4.30	2						
31	26.09			7.1	7.1			8.0		264.0		4.0		256.0	11.0		4700						2460	1940	180												
Total	1063.0	0	0																																		
Avg.	34.29			7.4	7.1			7.5		390.8		11.2		304.9	14.0		5386.39						2548.06	2059.35	159.65			1.83	6.84	0.016	4.52	4	0.005		232		

Total Number of Sewer Connections:	38173	Industrial Waste Population Equivalent		Operator	Timothy Clark
Residential Connections:	34248				
Commercial Connections:	1807	223834	410120	Cert. #	25323
Industrial Connections:	18	Flow	BOD	TSS	
Sewer Connections X 3 =	102744			Phone #	502-540-6000