



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

November 21, 2016

Ms. Cheryl Edwards  
Kentucky Division of Water  
200 Fair Oaks Lane  
Frankfort, Kentucky 40601

**Re: Derek Guthrie Water Quality Treatment Centers  
KPDES Permit No. KY0078956**

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

There were no exceedences, overflow or bypass reports for the month of October 2016 for the Derek Guthrie WQTC.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6031.  
Sincerely,

John Kessel  
Process Supervisor, West Region

JMK/West County 10/16  
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
DRG_MOR_102016.xls	xls	132608
DRG_Cover_102016.pdf	pdf	139445

**Report Last Saved By**

**Derek R Guthrie WQTC MSD**

User: kevin.ries@louisvillemsd.org

Date/Time: 2016-11-21 10:24 (Time Zone: -05:00)

Name: Kevin Ries

E-Mail: kevin.ries@louisvillemsd.org

## 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 10/01/16 to 10/31/16				DMR Due Date:	11/28/16				Status:	NetDMR Validated										
Considerations for Form Completion																					
Principal Executive Officer																					
First Name:	James A.				Title:	Exec 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				
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI							<	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.ries@louisvillemsd.org				Date/Time:	2016-11-21 10:24 (Time Zone: -05:00)															
Name:	Kevin Ries																				
E-Mail:	kevin.ries@louisvillemsd.org																				

Name of Sewage Treatment Plant: West County WTP Jefferson County Month of: October 2016  
 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						Digested Final			Final Coliform Col/100				
		Remove (cu. ft.)	GS (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)	Oxygen (mg/L X 1000 #1&#2)	Oxygen (mg/L X 1000 #1&#2)	30 min. SVI	60 min. SVI	% Solids	TKN (mg/L)	Chlorine Residual (mg/L)		NH3-N (mg/L)			
1	38.60			7.2	7.3				7.0		180.0		7.0				130.0		9.0		5640					2100	1640	130				0.012	2.60	2		
2	34.31			7.1	7.0				7.0		182.0		8.0				143.0		8.0		5000					2280	1800	120				0.012	11.00	3		
3	33.49			7.2	7.1				7.0		152.0		8.0				107.0		9.0		6250					2190	1750	140				0.012	3.40	1		
4	32.61			7.4	7.2				7.0		200.0		5.0				132.0		6.0		4870					2420	1880	145	2.45			0.012	3.30	1		
5	31.70			7.3	7.2				7.0		152.0		9.0				129.0		9.0		4700					3010	2370	135		4.40		0.012	3.00	3		
6	31.14			7.2	7.2				7.0		170.0		7.0				137.0		10.0		4520					3000	2370	130				0.012	3.40	3		
7	30.32			7.4	7.1				7.0		165.0		9.0				135.0		13.0		4580					2280	1810	125				0.012	3.50	5		
8	29.60			7.9	7.0				7.0		205.0		10.0				146.0		17.0		4310					2520	2000	130				0.012	3.40	11		
9	28.90			7.5	7.0				7.0		168.0		9.0				139.0		10.0		4010					2600	2060	140				0.012	4.00	5		
10	28.70			7.3	7.1				7.0		180.0		9.0				138.0		7.0		4280					2490	1950	120				0.012	3.20	1		
11	28.60			7.3	7.1				7.0		214.0		10.0				144.0		9.0		4360					2740	2140	100	2.52	5.00		0.012	3.40	2		
12	28.44			7.2	7.0				7.0		176.0		11.0				123.0		11.0		3850					2360	1870	120				0.012	3.70	5		
13	28.01			7.3	7.0				7.0		190.0		12.0				174.0		9.0		4710					2140	1770	100				0.012	4.00	3		
14	27.61			7.1	7.0				7.0		265.0		13.0				175.0		19.0		3970					2360	1950	100				0.012	4.60	1		
15	27.99			7.3	7.0				7.0		200.0		12.0				161.0		14.0		4350					2490	2020	110				0.012	4.50	2		
16	27.74			7.4	7.2				7.0		184.0		11.0				171.0		9.0		3880					2690	2170	110				0.012	5.20	3		
17	27.81			7.2	7.1				7.0		208.0		10.0				140.0		10.0		3920					2070	1680	100				0.012	4.30	2		
18	27.02			7.5	7.4				7.0		228.0		10.0				177.0		20.0		3710					2320	1890	100	2.21			0.012	5.20	2		
19	19.71			7.1	7.2				7.0		276.0		11.0				175.0		14.0		3630					1960	1650	90	7.20			0.012	5.30	3		
20	32.74			7.2	7.2				7.0		168.0		10.0				122.0		14.0		3860					2150	1840	100				0.012	5.60	5		
21	36.39			7.4	7.1				7.0		195.0		11.0				142.0		11.0		4290					2270	1700	90				0.012	4.50	6		
22	31.18			7.2	7.2				7.0		170.0		15.0				155.0		12.0		4090					2270	1820	110				0.012	4.80	5		
23	30.68			7.2	6.3				7.0		232.0		8.0				154.0		14.0		4510					2160	1730	120				0.012	5.50	1		
24	29.37			7.9	7.1				7.0		360.0		8.0				272.0		17.0		4070					2070	1650	120				0.012	5.30	1		
25	22.88			6.9	7.0				7.0		174.0		5.0				204.0		14.0		4220					2400	1910	120	1.84			0.012	3.60	7		
26	17.10			7.2	7.0				7.0		150.0		5.0				132.0		8.0		3500					2170	1790	130	3.60			0.012	1.60	1		
27	17.16			7.2	7.0				7.0		186.0		4.0				177.0		8.0		3790					2440	1940	110				0.012	1.80	3		
28	16.58			7.4	7.0				7.0		175.0		6.0				162.0		9.0		3410					2380	1960	120				0.012	2.10	3		
29	17.42			7.6	7.0				7.0		220.0		6.0				288.0		7.0		3380					2350	1870	120				0.012	1.90	2		
30	17.50			7.3	7.0				7.0		180.0		5.0				155.0		6.0		3480					2430	1930	120				0.012	2.60	2		
31	16.73			7.4	7.0				7.0		212.0		5.0				211.0		10.0		3180					2680	2130	110		3.00		0.012	1.80	1		
Total	848.0	0	0																		0.0		0.0													
Avg.	27.36			7.3	7.1				7.0		197.3		8.7				159.7		11.1		4204					2380	1905	117				2.26	4.64	0.012	3.94	2

Total Number of Sewer Connections: 36173  
 Residential Connections: 34248  
 Commercial Connections: 1907  
 Industrial Connections: 18  
 Sewer Connections X 3 = 102744

Industrial Waste Population Equivalent  
157781 Flow 111545 BOD 111625 TSS

Operator Tim Clark  
 Cert. # #21060  
 Phone # 502-540-6042