



*Louisville and Jefferson County Metropolitan Sewer District*  
*700 West Liberty Street*  
*Louisville Kentucky 40203-1911*  
*502-540-6000*  
*www.msdlouky.org*

September 17, 2015

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

RE: Derek Guthrie WQTC, KPDES No: KY0078956  
Discharge Monitoring Report, August 2015

Dear Ms. Cheryl Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Derek Guthrie WQTC, for the month of August 2015.

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

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

A handwritten signature in black ink, appearing to read "John Kessel", written in a cursive style.

John Kessel  
Process Supervisor, West Region

JMK/West County 08/15  
Enclosures

cc: C. Roth  
T. Singleton  
R. Shaw



*Beneficial Use of Louisville's Biosolids*  
*www.louisvillegreen.com*



**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_COVER_082015.pdf	pdf	46740
DRG_MOR_082015.xlsx	xlsx	46049

**Report Last Saved By**

**DEREK R GUTHRIE WQTC MSD**

User:	kevin.ries@louisvillemsd.org	Date/Time:	2015-09-21 13:26 (Time Zone: -04:00)
Name:	Kevin Ries		
E-Mail:	kevin.ries@louisvillemsd.org		

## DMR Copy of Record

<b>Permit</b>																			
Permit #:	KY0078956			Permittee:	DEREK R GUTHRIE WQTC MSD				Facility:	DEREK R GUTHRIE WQTC MSD									
Major:	Yes			Permittee Address:	11621 LOWER RIVER RD LOUISVILLE, KY 40272				Facility Location:	11621 LOWER RIVER RD LOUISVILLE, KY 40272									
Permitted Feature:	001 External Outfall			Discharge:	001-R REASONABLE POTENTIAL														
<b>Report Dates &amp; Status</b>																			
Monitoring Period:	From 08/01/15 to 08/31/15			DMR Due Date:	09/28/15				Status:	NetDMR Validated									
<b>Considerations for Form Completion</b>																			
<b>Principal Executive Officer</b>																			
First Name:	Greg			Title:	Exec Director				Telephone:	502-540-6000									
Last Name:	Hetizman																		
<b>No Data Indicator (NODI)</b>																			
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
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--								<	0.004		<	0.004	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
<b>Submission Note</b>																			
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.																			
<b>Edit Check Errors</b>																			
No errors.																			
<b>Comments</b>																			
<b>Attachments</b>																			
No attachments.																			
<b>Report Last Saved By</b>																			
DEREK R GUTHRIE WQTC MSD																			
User:	kevin.ries@louisvillemsd.org				Date/Time:	2015-09-21 13:26 (Time Zone: -04:00)													
Name:	Kevin Ries																		
E-Mail:	kevin.ries@louisvillemsd.org																		

Name of Sewage Treatment Plant: West County WTP Jefferson County Month of: August 2015  
 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		Hex-6	Hardness						
		Remove d (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	Raw	Primary (or Sec.)	Final	Gal/Day	MLSS mg/L X 1000	WAS	Oxygen d	Oxygen d	Oxygen (mg/L) X1000 #1&#2	(mg/L) X1000 #1&#2	30 min. SVI	60 min. SVI	% Solids			Phosphorus	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Coliform Col./100	
1	32.09			7.0	7.1					7.0			285.0		3.0						216.0		5.0	4510					2650	2040	130					0.015	1.40	28			
2	31.84			7.0	7.1					7.0			396.0		10.0						266.0		11.0	4270					2480	1870	130					0.015	2.00	50			
3	31.86			6.8	7.0					7.2			380.0		8.0					327.0		5.0	4480					2320	1810	120					0.015	1.50	27				
4	26.34			7.0	7.2					7.2			740.0		9.0					660.0		11.0	4200					2120	1620	140		1.96	2.20		0.015	0.46	19				
5	33.13			6.9	6.8					7.1			804.0		7.0					743.0		8.0	4230					2140	1610	120					0.015	0.34	12				
6	55.12			7.4	7.3					7.4			472.0		12.0					327.0		11.0	3840					2170	1660	130					0.015	1.40	1450				
7	43.60			7.1	6.8					8.0			185.0		9.0					382.0		17.0	4390					1770	1330	100					0.015	0.34	1580				
8	27.00			7.0	6.8					7.0			330.0		3.0					336.0		4.0	4170					2230	1660	130					0.015	0.50	1420				
9	24.18			7.9	7.1					7.2			432.0		5.0					356.0		4.0	3830					4010	1770	130					0.015	0.43	74				
10	25.73			7.1	7.0					6.0			348.0		5.0					245.0		6.0	3890					2240	1650	140					0.015	1.20	2				
11	28.78			7.0	7.1					6.0			384.0		5.0					220.0		5.0	3850					1590	1140	100		1.49	1.60		0.015	0.48	2		221		
12	22.06			7.0	7.0					6.0			296.0		3.0					191.0		4.0	3680					1720	1240	110					0.015	0.23	14	0.004			
13	21.10			6.9	6.9					6.0			300.0		4.0					208.0		4.0	3450					2060	1450	130					0.015	0.31	4				
14	20.02			7.2	6.9					6.0			230.0		6.0					162.0		5.0	4020					2600	1820	130					0.015	0.45	6				
15	20.14			7.2	7.1					7.0			305.0		6.0					249.0		5.0	3690					2540	1840	140					0.015	0.50	13				
16	20.78			7.0	7.3					7.0			444.0		6.0					290.0		5.0	3970					2630	1880	150					0.015	0.48	18				
17	19.83			7.0	7.0					6.4			388.0		4.0					240.0		5.0	4040					2910	2160	130					0.015	0.25	4				
18	19.86			7.0	6.9					7.0			416.0		5.0					263.0		5.0	3500					2310	1650	120		1.82	1.40		0.015	0.22	32				
19	25.50			7.0	6.8					7.0			572.0		7.0					326.0		12.0	3520					2490	1770	110					0.015	2.30	39				
20	25.89			6.9	7.0					7.0			328.0		4.0					230.0		5.0	4130					2280	1680	100					0.015	0.50	6				
21	21.45			7.1	7.0					7.1			420.0		4.0					370.0		4.0	3440					2670	1930	100					0.015	0.73	42				
22	20.70			6.9	6.9					7.0			570.0		5.0					248.0		9.0	4670					2340	1700	100					0.015	1.20	6				
23	20.90			7.1	7.1					7.0			384.0		8.0					283.0		7.0	3370					2500	1810	100					0.015	1.60	2				
24	19.39			7.2	7.0					7.2			364.0		3.0					265.0		5.0	3100					2180	1530	90					0.015	0.98	7				
25	19.33			7.1	7.0					7.0			368.0		3.0					343.0		7.0	2940					2080	1510	100		1.87	2.40		0.015	0.90	16				
26	18.65			6.8	6.4					7.3			408.0		3.0					325.0		5.0	2920					2070	1500	90					0.015	0.59	19				
27	18.59			7.1	6.6					7.0			604.0		6.0					294.0		6.0	3000					2010	1440	80					0.015	0.70	7				
28	18.35			7.2	6.7					7.2			395.0		4.0					331.0		5.0	3110					2150	1550	100					0.015	0.78	36				
29	18.87			7.2	6.8					7.2			440.0		3.0					306.0		4.0	3520					2030	1480	100					0.015	1.00	20				
30	19.33			7.0	6.8					7.2			432.0		9.0					331.0		9.0	3290					2650	1920	100					0.015	2.20	18				
31	21.04			7.6	7.8					7.0			564.0		4.0					460.0		7.0	3160					2120	1520	90					0.015	1.20	2				
Total	771.4	0	0																			0.0		0.0																	
Avg.	24.88			7.1	7.0					6.9			418.8		5.6							315.9		6.6	3748				2324.52	1663	114				1.79	1.90	0.015	0.88	19		

Total Number of Sewer Connections: 36173 Industrial Waste Population Equivalent \_\_\_\_\_ Operator Deb Hathaway  
 Residential Connections: 34248 \_\_\_\_\_  
 Commercial Connections: 1907 \_\_\_\_\_ 134256 Flow 282919 BOD 311190 TSS \_\_\_\_\_ Cert. # #16354  
 Industrial Connections: 18 \_\_\_\_\_  
 Sewer Connections X 3 = 102744 \_\_\_\_\_ Phone # 502-540-6042