



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

October 15, 2014

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

RE: Derek Guthrie WQTC, KPDES No: KY0078956  
Discharge Monitoring Report, September 2014

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 September 2014.

There were no exceedences or bypasses reports during the month of September for the Derek Guthrie WQTC.

Also included are the overflow reports for the month of September and the 3<sup>rd</sup> qtr. Bio monitoring reports.

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 over a white background.

John Kessel  
Process Supervisor, West Region

JMK/West County 0914

Enclosures

cc: C. Roth  
T. Singleton  
R. Shaw



Beneficial Use of Louisville's Biosolids  
[www.louisvillegreen.com](http://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
Sept2014_DRGWQTC.pdf	pdf	71039
WCMOR092014.XLS	xls	114688
DRG_Cover_092014.pdf	pdf	16393

**Report Last Saved By**

**DEREK R GUTHRIE WQTC MSD**

User:	kevin.ries@louisvillemsd.org	Date/Time:	2014-10-16 12:24 (Time Zone: -04:00)
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:	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													
Report Dates & Status																		
Monitoring Period:	From 09/01/14 to 09/30/14			DMR Due Date:	10/28/14				Status:	NetDMR Validated								
Considerations for Form Completion																		
Principal Executive Officer																		
First Name:	Greg			Title:	Exec Director				Telephone:	502-540-6000								
Last Name:	Hetizman																	
No Data Indicator (NODI)																		
Form NODI:	--																	
Parameter	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
Code	Name			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	--						<	0.01		<	0.01	19 - mg/L		01/30 - Monthly	CP - COMPOS
															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@louisvillemd.org			Date/Time:	2014-10-16 12:25 (Time Zone: -04:00)													
Name:	Kevin Ries																	
E-Mail:	kevin.ries@louisvillemd.org																	

**DMR Copy of Record**

**Permit**

<b>Permit #:</b> KY0078956	<b>Permittee:</b> DEREK R GUTHRIE WQTC MSD	<b>Facility:</b> DEREK R GUTHRIE WQTC MSD
<b>Major:</b> Yes	<b>Permittee Address:</b> 11621 LOWER RIVER RD LOUISVILLE, KY 40272	<b>Facility Location:</b> 11621 LOWER RIVER RD LOUISVILLE, KY 40272
<b>Permitted Feature:</b> 001 External Outfall	<b>Discharge:</b> 001-Y BIOMONITORING/METALS/QUARTERLY	

**Report Dates & Status**

<b>Monitoring Period:</b> From 07/01/14 to 09/30/14	<b>DMR Due Date:</b> 10/28/14	<b>Status:</b> NetDMR Validated
-----------------------------------------------------	-------------------------------	---------------------------------

**Considerations for Form Completion**

**Principal Executive Officer**

<b>First Name:</b> Greg	<b>Title:</b> Exec Director	<b>Telephone:</b> 502-540-6000
<b>Last Name:</b> Hetizman		

**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	
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	206		=	206	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	G2 - GRAB-2		
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.023		=	0.023	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	G2 - GRAB-2		
					Value NODI															
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	G2 - GRAB-2		
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	G2 - GRAB-2		
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.009		=	0.009	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	G2 - GRAB-2		
					Value NODI															
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2F - tox acute	01/90 - Quarterly	GR - GRAB		
					Permit Req.										<=	1 DAILY MX	2F - tox acute	0	01/90 - Quarterly	G2 - GRAB-2
					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: kevin.ries@louisvillemsd.org

Date/Time: 2014-10-16 13:15 (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: September 2014

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							Dig Sludge	Final													
		Grit Removed (cu. ft.)	Screenings (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	Million Gal/Day	MLSS mg/L X 1000	WAS	Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	MLSS (mg/L) X1000 #1&#2	MLYSS (mg/L) X1000 #1&#2	30 min. SettS.	SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Fecal Coliform Col./100ml								
1	22.604			7.4	7.1				6.0		376		8							243		8						2680	1920	110.0	0.04				0.01	1.50	5							
2	29.670			7.2	7.2				6.0		410		9							257		9						2240	1720	110.0	0.05		1.96		0.01	2.40	20							
3	23.300			7.3	7.2				6.0		250		6							233		6						1960	1420	110.0	0.06			2.00	0.01	0.45	9							
4	20.411			7.4	7.1				7.0		404		5							226		7						2270	1730	130.0	0.06				0.01	0.17	220							
5	20.613			7.7	7.2				7.0		270		5							219		5						2370	1800	130.0	0.05				0.01	0.39	111							
6	20.530			7.4	7.1				7.0		316		2							255		3						2180	1680	130.0	0.06				0.01	0.45	90							
7	21.869			7.4	7.2				7.0		392		5							310		5						2290	2290	130.0	0.06				0.01	1.10	6							
8	18.207			7.3	7.0				7.2		486		4							316		6						2120	1570	130.0	0.06				0.01	0.73	7							
9	18.038			7.0	6.9				7.0		346		6							244		6						1640	1240	110.0	0.07		1.36		0.01	0.17	17							
10	18.599			7.3	6.9				7.1		400		2							243		4						2020	1550	130.0	0.06			1.70	0.01	0.45	55							
11	95.551			7.1	6.8				7.0		154		5							99		7						1100	760	40.0	0.04				0.01	1.30	11							
12	45.090			7.0	6.9				7.1		334		6							231		3						2380	1910	140.0	0.06				0.01	0.73	47							
13	32.399			7.3	7.1				7.0		414		5							347		3						1710	1170	120.0	0.07				0.01	1.30	80							
14	26.450			7.0	7.3				7.0		322		4							265		6						1640	1190	120.0	0.07				0.01	0.84	4							
15	23.790			7.3	7.2				7.0		416		3							306		3						2450	1770	170.0	0.07				0.01	0.45	6							
16	23.550			7.1	7.0				7.0		378		4							372		4						2580	1880	150.0	0.06		1.67		0.01	0.28	3							
17	22.440			7.1	7.1				7.0		478		5							355		3						2010	1420	150.0	0.07			1.40	0.01	0.50	4							
18	20.880			7.4	7.0				7.0		378		5							296		6						2410	1730	130.0	0.05				0.01	0.45	8							
19	19.640			7.2	7.2				7.0		250		5							224		7						1870	1340	120.0	0.06				0.01	0.62	7							
20	22.130			7.2	6.9				7.0		320		7							265		7						2150	1570	110.0	0.05				0.01	1.70	6							
21	20.416			7.1	7.0				7.0		300		6							239		7						2070	1580	90.0	0.04				0.01	2.70	2							
22	18.448			7.0	7.0				6.0		270		6							210		6						1220	960	70.0	0.06				0.01	2.10	2							
23	17.441			7.0	7.0				7.0		336		6							237		6						1690	1210	90.0	0.05		1.48		0.01	1.10	44							
24	18.000			7.0	7.0				6.0		338		5							259		7						1770	1310	100.0	0.06			2.90	0.01	1.80	10							
25	17.550			7.0	7.0				6.0		384		7							280		6						1910	1410	100.0	0.05				0.01	1.40	2							
26	17.312			8.1	7.2				6.0		388		7							328		9						1940	1490	100.0	0.05				0.01	0.67	5							
27	17.960			7.5	7.2				7.0		374		4							311		4						1990	1480	100.0	0.05				0.01	0.67	66							
28	17.454			7.3	6.9				7.0		412		6							340		9						2190	1650	100.0	0.05				0.01	1.20	6							
29	16.957			7.1	7.0				7.0		628		6							562		10						2370	1720	90.0	0.04			2.10	0.01	0.73	4							
30	16.832			7.1	6.9				7.0		472		6							331		7						3220	2330	80.0	0.02		1.50		0.01	0.78	18							
31																																												
Total	724.13	0	0																			0.0																						
Avg.	24.14			7.2	7.1				6.8		367		5									280		6				3688.0								2081.33	1560.00	113.00	0.06	1.59	2.02	0.01	0.97	12

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent \_\_\_\_\_ Operator Deb Hathaway  
 Residential Connections: \_\_\_\_\_  
 Commercial Connections: \_\_\_\_\_ 229883 Flow 331685 BOD 351363 TSS Cert. # 16354  
 Industrial Connections: \_\_\_\_\_  
 Sewer Connections X 4 = 0 Phone # 502-540-6042



Report Selections: Period: 09/01/2014 00:00 thru 09/30/2014 23:59, treatment Plant: MSD0277 DEREK R. GUTHRIE, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SSL Sewer Service Line	70388	4805 MID DR		PONDER CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISDW:DRY WEATHER DISCHARGE	2233827		9/18/14 11:15 am	MARINO	MARINO	REPAIRED - ISSUE RESOLVED	01/31/2005	OBSTRUCTION-N OT GREASE / ROOTS	UNAUTHORIZED DISCHAGE - WATERS	09/18/14 11:50 AM	MAIN

**Discharge Reporting:**

Discharge Amount:	100 GAL
Cause:	OBSTRUCTION IN MAIN SEWER
Clean Up:	MSD PERSONNEL CLEANED THE IMPACTED AREA
Control Zone:	ADVISED CUSTOMER TO AVOID CONTACT WITH IMPACTED AREA
Impact:	SEWAGE AROUND CLEANOUT DISCHARGE IN DITCH LINE
Repair:	WORK ORDER 2233817; FLUSHED MAIN SEWER
Public Notification:	ADVISED CUSTOMER ON SITE

**Notifications:**

9/18/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
-----------------	--------	-------------------------------------------------------------------------------------------------------------------------

Total Facilities Printed: 1

Total Work Orders Printed: 1