



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)

June 18, 2013

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

RE: Derek Guthrie WQTC, KPDES No: KY0078956  
Discharge Monitoring Report  
May 2013

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 May 2013.

There were no exceedences, overflow or bypass reports during the month of May 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 over a white background.

John Kessel  
Process Supervisor, West Region

JMK/West County 0513

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
DRG_052013_Cover.pdf	pdf	14298
DG_052013_Overflow.pdf	pdf	46955
DRG_052013_MOR.XLS	xls	113664

**Report Last Saved By**

**DEREK R GUTHRIE WQTC MSD**

User: kevin.thompson@louisvillemsd.org

Date/Time: 2013-06-27 09:12 (Time Zone: -04:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

**DMR Copy of Record**

**Permit**

<b>Permit #:</b>	<b>KY0078956</b>	<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>	<b>001-R</b> REASONABLE POTENTIAL		

**Report Dates & Status**

<b>Monitoring Period:</b>	<b>From 05/01/13 to 05/31/13</b>	<b>DMR Due Date:</b>	<b>06/28/13</b>	<b>Status:</b>	<b>NetDMR Validated</b>
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**Considerations for Form Completion**

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**Principal Executive Officer**

<b>First Name:</b>	Greg	<b>Title:</b>	Executive 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	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			
01032	Chromium, hexavalent (as Cr)	1 - Effluent Gross	0	--								<	0.01	<	0.01	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**

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**Attachments**  
No attachments.

**Report Last Saved By**  
**DEREK R GUTHRIE WQTC MSD**

<b>User:</b> kevin.thompson@louisvillemsd.org	<b>Date/Time:</b> 2013-06-27 09:13 (Time Zone: -04:00)
<b>Name:</b> Kevin Thompson	
<b>E-Mail:</b> kevin.thompson@louisvillemsd.org	

Name of Sewage Treatment Plant: West County WTP Jefferson County Month of: May 2013

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	Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	MLSS (mg/L) X1000 #1&#2	MLVSS (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		
																																				Return	WAS
1	24.2381			7.0	6.7				8.0		168		4				186		6		4030					2240	1700	170.0	0.08				0.01	3.10	2		
2	24.0537			7.3	7.2				8.0		240		4				132		5		2640					1810	1400	160.0	0.09				0.01	3.80	2		
3	24.2432			7.3	7.4				8.0		232		3				189		16		3180					1950	1500	150.0	0.08				0.01	3.60	2		
4	32.9463			7.9	7.2				8.0		192		9				159		14		3420					1580	1600	150.0	0.09				0.01	4.80	4		
5	67.5255			7.2	7.0				8.0		144		14				109		14		3690					1920	1510	120.0	0.06			2.20	0.01	0.90	3		
6	52.6225			7.1	7.0				8.0		248		7				173		11		3820					2530	1910	150.0	0.06				0.01	2.70	1		
7	45.6644			7.2	7.2				8.0		122		6				99		11		3630					1690	1290	140.0	0.08	0.67			0.01	3.10	2		
8	34.7429			7.6	7.7				8.0		150		3				97		11		3400					1600	1190	140.0	0.09				0.01	3.90	2		
9	30.9819			7.3	7.3				8.0		166		4				115		7		3240					1830	1400	150.0	0.08				0.01	4.00	2		
10	52.4622			7.2	7.2				8.0		158		11				122		13		3650					1900	1450	150.0	0.08				0.01	3.00	1		
11	52.4622			7.1	7.1				8.3		102		7				69		9		3980					1000	750	100.0	0.10				0.01	2.60	10		
12	45.2337			7.2	7.5				8.3		118		6				132		14		3290					1410	1410	130.0	0.09			7.80	0.01	3.90	3		
13	32.3966			7.4	7.3				8.1		134		5				130		11		2970					1380	1020	140.0	0.10				0.01	4.50	3		
14	28.8377			7.6	6.8				8.2		144		5				108		13		2850					1880	1410	150.0	0.08	1.73			0.01	4.60	2		
15	26.7492			7.5	7.2				7.8		66		4				136		10		3040					1570	1210	150.0	0.10				0.01	4.20	7		
16	25.7759			7.5	7.2				7.6		226		5				145		7		3060					2140	1630	150.0	0.07				0.01	3.40	13		
17	24.7448			7.3	7.2				7.9		214		5				185		14		2670					1920	1450	150.0	0.08				0.01	4.30	9		
18	23.8463			7.8	7.3				7.3		212		6				257		14		3190					2020	1530	140.0	0.07				0.01	5.60	11		
19	23.2136			7.8	7.4				7.6		214		5				158		13		2980					2030	1510	140.0	0.07			6.20	0.01	5.80	13		
20	22.6574			7.2	7.1				7.3		208		5				160		9		2900					1970	1470	150.0	0.08				0.01	4.00	8		
21	21.1386			7.3	7.1				6.8		158		5				153		10		2950					2180	1710	150.0	0.07	1.76			0.01	3.10	2		
22	21.6474			7.3	7.1				7.0		188		6				154		11		2460					2220	1710	140.0	0.06				0.01	2.90	2		
23	21.8658			7.2	7.2				7.2		238		5				139		10		2540					1860	1440	140.0	0.08				0.01	2.70	2		
24	20.0704			7.5	7.2				7.3		218		7				141		12		2750					1970	1540	130.0	0.07				0.01	2.60	2		
25	19.1099			7.4	7.2				7.3		178		4				139		10		2490					1900	1500	130.0	0.07				0.01	2.40	1		
26	18.7224			7.2	7.2				7.0		192		6				159		12		2360					1890	1460	130.0	0.07				0.01	2.50	1		
27	20.1065			7.4	7.3				7.0		234		5				188		15		3260					2670	2010	100.0	0.04			4.50	0.01	2.80	5		
28	19.0774			7.2	7.3				7.1		394		8				356		13		2550					2030	1550	110.0	0.05	0.99			0.01	3.40	2		
29	20.3002			7.4	7.2				7.0		322		6				320		14		2050					1560	1200	90.0	0.06				0.01	3.60	2		
30	20.1537			7.5	7.1				7.0		354		12				295		15		2290					3490	2630	100.0	0.03				0.01	3.70	3		
31	20.3398			7.5	7.1				7.8		212		11				178		19		3180					3320	2600	120.0	0.04				0.01	2.80	2		
Total	#####	0	0														0.0			0.0						1982.58	1538.39	136.13	0			1.29	5.18	0.01	3.49	3	
Avg.	29.61			7.4	7.2				7.6		198		6				164		12		3048.7																

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent \_\_\_\_\_ Operator Otto  
 Residential Connections: \_\_\_\_\_  
 Commercial Connections: \_\_\_\_\_ 282006 Flow 238190 BOD 233145 TSS Cert. # #202265  
 Industrial Connections: \_\_\_\_\_  
 Sewer Connections X 4 = 0 Phone # 502-540-6041



Report Selections: Last Full Month: 05/2013, 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
SMH Sewer Manhole	27116	10304 CAVEN AVE		OHIO RIVER	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	1904075	1686326	05/05/2013	MOONEY	HOLLEY	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/05/13 10:00 PM	MAIN

**Discharge Reporting:**

Discharge Amount:	91,000 GAL
Cause:	LACK OF SYSTEM CAPACITY RAIN EVENT
Clean Up:	CREATED DISCHARGE CLEAN UP WORK ORDER #1686366.
Control Zone:	MSD PERSONNEL SETUP TAPE AND SIGNS. ADVISED CUSTOMER TO AVOID DIRECT CONTACT WITH SEWAGE
Impact:	MSD PERSONNEL OBSERVED PERSONAL HYGIENE PRODUCTS, DEBRIS, SEWAGE AND SOLIDS
Repair:	THIS LOCATION IS INCLUDED IN THE IOAP
Public Notification:	MSD ADVISED CUSTOMER ON SITE

**Notifications:**

5/5/13 1:00 am	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov
5/5/13 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov



Report Selections: Last Full Month: 05/2013, 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 (Cont'd)	MSD0277	DEREK R. GUTHRIE			OHIO RIVER			WEST			
Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRN EVENT DISCHARGE	1907715	1589965	5/10/2013 6:20:00PM	HOLLEY	WITTEN	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	05/10/13 11:30 PM	MAIN

**Discharge Reporting:**

Discharge Amount:	60,000 GAL
Cause:	DUE TO HEAVY RAIN –LACK OF SYSTEM CAPACITY
Clean Up:	CREATED CLEAN UP WO#1690025
Control Zone:	MSD PLACED TAPE & TEMPORARY SIGNS
Impact:	PERSONAL HYGIENE PRODUCTS, DEBRIS, SEWAGE, SOLIDS
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP.
Public Notification:	MSD ADVISED CUSTOMER ON SITE

**Notifications:**

5/10/13 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov
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Report Selections: Last Full Month: 05/2013, Excluding PPI Excluding CSD 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
SLS Sewer Lift Station	MSD1203-PS	4005 KIRBY LN	KIRBY LANE	OHIO RIVER	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	1907659	1689909	05/10/2013	MARKS JR	OPS BSHIFT CENTRAL	DOCUMENTED	05/10/2013	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	05/11/13 12:15 AM	

**Discharge Reporting:**

Discharge Amount:	39,000 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	NO DEBRIS; NO CLEANUP
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	NO IMPACT OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE EFFECTED AREA.

**Notifications:**

5/10/13 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov
5/10/13 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov

Total Facilities Printed: 28

Total Work Orders Printed: 33