



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 17, 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, May 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 May 2014.

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

Also included are the overflow reports for the month of May.

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 0514

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_Cover_052014.pdf	pdf	15938
DRG_MOR_052014.xlsx	xlsx	44983
201405_DRGWQTC_OverflowReport.pdf	pdf	78605

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

User: kevin.ries@louisvillemsd.org

Date/Time: 2014-06-23 13:17 (Time Zone: -04:00)

Name: Kevin Ries

E-Mail: kevin.ries@louisvillemsd.org

## DMR Copy of Record

<b>Permit</b>																					
<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-R REASONABLE POTENTIAL																
<b>Report Dates &amp; Status</b>																					
<b>Monitoring Period:</b>	From 05/01/14 to 05/31/14			<b>DMR Due Date:</b>	06/28/14				<b>Status:</b>	NetDMR Validated											
<b>Considerations for Form Completion</b>																					
<b>Principal Executive Officer</b>																					
<b>First Name:</b>	Greg			<b>Title:</b>	Exec Director				<b>Telephone:</b>	502-540-6000											
<b>Last Name:</b>	Hetizman																				
<b>No Data Indicator (NODI)</b>																					
<b>Form NODI:</b>	--																				
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							<	0.01		<	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	
<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.																					
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No errors.																					
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<b>Attachments</b>																					
No attachments.																					
<b>Report Last Saved By</b>																					
DEREK R GUTHRIE WQTC MSD																					
<b>User:</b>	kevin.ries@louisvillemsd.org				<b>Date/Time:</b>	2014-06-23 13:17 (Time Zone: -04:00)															
<b>Name:</b>	Kevin Ries																				
<b>E-Mail:</b>	kevin.ries@louisvillemsd.org																				

Name of Sewage Treatment Plant:

West County WTP

Jefferson

Month of:

May

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	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	36.602			7.0	7.1				8.0		238	11				162	7				5440					3030	2170	150.0	0.05				0.01	1.70	2		
2	33.856			7.0	7.0				8.0		352	10				382	10				4590					2450	1760	150.0	0.06				0.01	1.40	2		
3	26.993			7.1	7.1				7.0		270	5				197	5				4690					3270	2380	150.0	0.05				0.01	1.30	3		
4	25.080			7.0	7.1				8.0		182	7				121	9				4320					2730	1960	160.0	0.06				0.01	1.80	2		
5	27.800			7.1	7.1				7.0		182	10				142	8				4180					2730	2000	150.0	0.05				0.01	2.40	2		
6	32.218			6.9	7.0				8.0		210	9				156	10				4200					2150	1610	150.0	0.07	1.63	5.00	0.01	3.40	2			
7	29.704			7.2	7.0				7.4		296	9				287	10				4470					2210	1650	130.0	0.06				0.01	3.70	2		
8	30.224			7.8	7.2				7.8		308	9				222	11				4210					2030	1570	130.0	0.06				0.01	4.40	5		
9	30.224			7.0	7.0				7.6		354	3				226	5				4430					1710	1290	110.0	0.06				0.01	4.50	4		
10	76.971			7.5	7.1				7.3		270	14				159	16				6010					1400	1070	100.0	0.07				0.01	3.20	2		
11	52.543			7.1	6.9				7.4		490	8				292	8				5740					2770	2120	110.0	0.04				0.01	2.20	8		
12	30.598			7.0	7.0				7.0		516	7				138	7				5180					2230	1660	130.0	0.06				0.01	3.10	2		
13	27.224			7.0	6.9				7.0		216	3				192	6				4500					1920	1440	120.0	0.06	1.34	4.50	0.01	2.50	2			
14	55.781			7.1	7.0				7.0		192	14				129	16				4550					2180	1570	130.0	0.06				0.01	3.90	2		
15	109.630			7.0	6.8				7.0		68	11				49	10				6090					1460	1100	90.0	0.06				0.01	2.60	38		
16	53.756			7.0	7.0				7.0		124	7				88	11				5300					1500	1090	100.0	0.07				0.01	2.20	10		
17	34.851			7.2	7.1				7.5		150	5				130	3				4740					2230	1660	130.0	0.06				0.01	2.50	5		
18	34.850			7.0	7.0				7.0		152	8				125	9				4940					2320	1670	140.0	0.06				0.01	3.80	2		
19	27.427			7.1	7.3				6.0		182	6				103	10				4510					1930	1380	130.0	0.07				0.01	3.10	5		
20	26.790			7.0	7.1				7.0		324	8				209	10				4460					1950	1400	130.0	0.07			4.80	0.01	2.70	4		
21	26.926			8.6	6.9				6.0		312	7				195	10				5200					1950	1430	130.0	0.07	0.65			0.01	2.50	10		
22	49.736			7.0	6.9				7.6		416	10				128	12				4570					1930	1430	130.0	0.07				0.01	2.40	4		
23	26.613			7.0	6.9				8.0		218	5				150	7				4910					1950	1420	120.0	0.06				0.01	2.70	2		
24	25.010			7.0	7.0				8.0		180	6				129	6				3750					2220	1620	150.0	0.07				0.01	1.90	9		
25	23.300			6.9	7.0				8.0		142	5				138	10				4070					2540	1850	150.0	0.06				0.01	1.90	2		
26	23.061			7.0	7.0				7.0		196	7				155	8				4300					2630	1910	150.0	0.06				0.01	2.80	4		
27	21.866			7.2	6.9				7.6		416	9				418	14				3870					1780	1340	130.0	0.07	1.00	5.00	0.01	3.00	4			
28	22.969			7.3	7.5				6.9		372	9				290	13				3430					1720	1280	110.0	0.06				0.01	3.50	6		
29	26.665			7.2	7.2				7.4		166	9				136	12				3970					1640	1230	110.0	0.07				0.01	3.80	31		
30	31.170			7.0	7.0				7.0		192	12				136	13				4780					1540	1160	100.0	0.06				0.01	3.70	135		
31	25.193			6.9	7.1				7.3		170	10				98	10				3590					1840	1380	110.0	0.06				0.01	2.90	27		
Total	1105.6310	0	0						7.3		253	8									0.0		0.0														
Avg.	35.67			7.1	7.0				7.3		253	8				177	10				4612.6						2127.10	1567.74	128.39	0			1.15	4.83	0.01	2.82	5

Total Number of Sewer Connections: \_\_\_\_\_ 0 \_\_\_\_\_  
 Residential Connections: \_\_\_\_\_  
 Commercial Connections: \_\_\_\_\_  
 Industrial Connections: \_\_\_\_\_  
 Sewer Connections X 4 = \_\_\_\_\_ 0 \_\_\_\_\_

Industrial Waste Population Equivalent \_\_\_\_\_  
 \_\_\_\_\_ 339672 \_\_\_\_\_ 309416 \_\_\_\_\_ 358951 \_\_\_\_\_  
 \_\_\_\_\_ Flow \_\_\_\_\_ BOD \_\_\_\_\_ TSS \_\_\_\_\_

Operator \_\_\_\_\_ S. Patterson \_\_\_\_\_  
 Cert. # \_\_\_\_\_ #5879 \_\_\_\_\_  
 Phone # \_\_\_\_\_ 502-540-6042 \_\_\_\_\_



Report Selections: Period: 05/01/2014 00:00 thru 05/31/2014 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
SMH Sewer Manhole	25479	6102 COOPER CHAPEL RD		PENNSYLVANIA RUN	CATCH BASIN

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2161681		5/14/14 8:35 pm	MARKS JR	OPS CSHIFT	DOCUMENTED	06/19/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	05/15/14 05:10 AM	

**Discharge Reporting:**

Discharge Amount:	12,875 GAL
Cause:	LACK OF CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	SEWAGE OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

**Notifications:**

5/11/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
5/11/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'

Report Selections: Period: 05/01/2014 00:00 thru 05/31/2014 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
SMH Sewer Manhole	27116	10304 CAVEN AVE		MUD CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2161683		5/14/14 8:20 pm	SUMMERS	TELLMAN	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	05/15/14 06:40 AM	

**Discharge Reporting:**

Discharge Amount:	15,500 GAL
Cause:	RAIN EVENT LACK OF SYSTEM CAPACITY
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	MSD PERSONNEL PLACED STAKES, SIGNS AND CAUTION TAPE
Impact:	MSD PERSONNEL OBSERVED SEWAGE, DEBRIS & SOLIDS
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP.
Public Notification:	MSD PERSONNEL PLACED TEMPORARY SIGNS TO ALERT THE PUBLIC

**Notifications:**

5/11/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
5/11/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'

Report Selections: Period: 05/01/2014 00:00 thru 05/31/2014 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
SLS Sewer Lift Station	MSD1203-PS	4005 KIRBY LN	KIRBY LANE	FERN CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2161688		5/14/14 9:40 pm	MARKS JR	OPS CSHIFT	DOCUMENTED	05/10/2013	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	05/15/14 09:00 AM	

**Discharge Reporting:**

Discharge Amount:	24,500 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	no clean up required
Control Zone:	signs posted
Impact:	no impact observed
Repair:	mopnitor location during rain events
Public Notification:	signs used to warn publics

**Notifications:**

5/15/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
5/15/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'

Total Facilities Printed: 3

Total Work Orders Printed: 3