



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)

December 14, 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, November 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 November 2015.

There were no exceedence or bypass reports for the month of November for the Derek Guthrie WQTC.

Also included are the overflow reports for the month of November and the 4<sup>th</sup> qtr bio monitoring report.

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 "J. Kessel", written in a cursive style.

John Kessel  
Process Supervisor, West Region

JMK/West County 11/15  
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_MOR_112015.xlsx	xlsx	45496
2015_11_DRGWQTC_OverflowReport.pdf	pdf	73920
DRG_cover_112015.pdf	pdf	49440

**Report Last Saved By**

**DEREK R GUTHRIE WQTC MSD**

User: kevin.ries@louisvillemsd.org

Date/Time: 2015-12-17 07:27 (Time Zone: -05:00)

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 11/01/15 to 11/30/15			DMR Due Date:	12/28/15				Status:	NetDMR Validated								
<b>Considerations for Form Completion</b>																		
<b>Principal Executive Officer</b>																		
First Name:	James A.			Title:	Exec Director				Telephone:	502-540-6000								
Last Name:	Parrott																	
<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			
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@louisvillemtd.org			Date/Time:	2015-12-17 07:27 (Time Zone: -05:00)													
Name:	Kevin Ries																	
E-Mail:	kevin.ries@louisvillemtd.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 10/01/15 to 12/31/15	<b>DMR Due Date:</b> 01/28/16	<b>Status:</b> NetDMR Validated
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**Considerations for Form Completion**

**Principal Executive Officer**

<b>First Name:</b> James A.	<b>Title:</b> Exec Director	<b>Telephone:</b> 502-540-6000
<b>Last Name:</b> 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		
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	253		=	253	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.042		<	0.042	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.005		<	0.005	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2F - tox acute	0	01/90 - Quarterly	GR - GRAB		
					Permit Req.											<=	1 DAILY MX	2F - tox acute	0	01/90 - Quarterly	G2 - GRAB-2
					Value NODI																

**Submission Note**

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**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: 2015-12-17 07:27 (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: November 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						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	MLYSS (mg/L) X1000 #1&#2	30 min. Sett.	SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Fecal Coliform Col./100ml	
																																				Return
1	30.89			7.3	7.2				7.7		352	3					142		4		4720					2500	1880	150.0	0.06				0.02	1.10	700	
2	26.09			7.2	7.2				7.0		312	3					309		4		4150					2780	2060	170.0	0.06				0.02	0.67	2	
3	25.29			7.3	7.2				7.5		476	3					404		3		4040					2330	1740	150.0	0.06	1.82	1.20	0.02	0.70	2		
4	23.34			7.1	7.1				6.1		556	3					454		5		4150					2420	1800	150.0	0.06				0.02	0.39	2	
5	22.40			7.2	7.1				7.9		500	5					392		6		4290					2770	2110	150.0	0.05				0.02	0.36	11	
6	72.70			7.0	7.0				7.0		260	11					259		16		5810					1720	1320	110.0	0.06				0.02	2.30	125	
7	39.80			7.2	7.3				7.2		250	6					274		6		4740					2570	1970	150.0	0.06				0.02	0.67	4	
8	30.06			7.2	7.5				7.2		345	5					242		7		3800					2470	1860	170.0	0.07				0.02	1.10	9	
9	31.02			6.9	7.2				6.4		396	4					267		8		3870					4070	3000	150.0	0.04				0.02	2.60	5	
10	63.71			7.3	7.1				7.2		196	7					140		13		4800					1460	1060	100.0	0.07	1.02	3.60	0.02	2.40	48		
11	39.65			7.4	7.2				7.7		400	5					162		7		5100					2040	1480	140.0	0.07				0.02	1.30	2	
12	49.71			7.2	7.3				7.0		208	5					168		6		5220					1430	1060	100.0	0.07				0.02	1.50	6	
13	28.21			7.2	7.4				7.5		240	4					290		6		4070					3870	2850	130.0	0.03				0.02	0.95	2	
14	23.38			7.4	7.1				7.6		510	8					290		6		3710					2230	1640	150.0	0.07				0.02	2.50	3	
15	25.87			7.2	7.2				7.5		532	5					586		7		3800					2370	1780	150.0	0.06				0.02	1.80	2	
16	23.44			7.2	7.2				7.4		320	5					361		5		3760					2400	1810	150.0	0.06				0.01	1.20	2	
17	23.48			7.2	7.2				7.6		244	5					210		6		3680					2370	1780	150.0	0.06	1.48	1.90	0.01	0.84	2		
18	76.99			7.3	7.2				7.6		296	13					152		16		3730					2450	1850	150.0	0.06				0.01	1.80	6	
19	101.65			7.1	7.1				7.0		312	7					227		15		1990					840	600	50.0	0.06				0.01	2.60	8	
20	51.00			7.3	7.1				7.6		148	12					139		17		1850					880	680	50.0	0.06				0.01	3.10	8	
21	31.43			7.3	7.3				7.0		240	18					106		24		1160					780	580	50.0	0.06				0.01	3.60	7	
22	30.18			7.3	7.3				6.9		212	16					186		22		895					620	470	60.0	0.10				0.01	5.40	27	
23	37.22			7.5	7.6				7.0		212	8					167		11		4540					3460	2580	190.0	0.05				0.01	4.70	3	
24	41.70			7.4	7.5				7.0		412	7					326		14		8520					2690	1960	180.0	0.07	1.24	7.30	0.01	6.20	2		
25	29.96			7.2	7.5				7.6		245	4					171		5		5620					3150	2370	200.0	0.06				0.01	2.30	8	
26	24.78			7.0	7.3				7.0		290	7					318		6		4640					3410	2520	230.0	0.07				0.01	1.80	5	
27	21.92			7.1	7.2				7.0		320	5					288		5		4820					3830	2860	220.0	0.06				0.01	1.70	6	
28	90.87			7.3	7.6				7.0		290	10					242		12		4610					2800	2120	230.0	0.08				0.01	3.50	2	
29	69.75			7.3	7.4				7.0		180	3					155		5		5690					1920	1480	150.0	0.08				0.01	0.61	13	
30	38.34			7.7	7.2				7.2		264	3					228		5		5120					5270	4060	200.0	0.04				0.01	1.10	2	
31																																				
Total	1224.80	0	0																		0.0		0.0													
Avg.	40.83			7.2	7.3				7.2		317	7					255		9		4229.8					2463	1844.33	146.00	0	1.39	3.50	0.01	2.03	6		

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent \_\_\_\_\_ Operator Deborah Hathway  
 Residential Connections: \_\_\_\_\_  
 Commercial Connections: \_\_\_\_\_ 388825 511075 514417 Cert. # #16354  
 Industrial Connections: \_\_\_\_\_ Flow BOD TSS Phone # \_\_\_\_\_  
 Sewer Connections X 4 = 0



Report Selections: Period: 11/01/2015 00:00 thru 11/30/2015 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	102339	9114 CINDERELLA LN		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	2463087		11/18/2015	ROTTET JR	OPS BSHIFT WEST	DOCUMENTED	07/14/2015	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	11/18/15 09:12 PM	

**Discharge Reporting:**

Discharge Amount:	7,750 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED AND SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
Public Notification:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA

**Notifications:**

11/18/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
11/18/15 1:00 pm	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'



Report Selections: Period: 11/01/2015 00:00 thru 11/30/2015 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	25484	9317 LANTANA DR		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	2463081		11/18/2015	ROTTET JR	OPS BSHIFT WEST	DOCUMENTED	01/13/2013	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	11/18/15 05:30 PM	

**Discharge Reporting:**

Discharge Amount:	1,350 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	NO DEBRIS
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
Public Notification:	TEMPORARY SIGNS POSTED AT THIS LOCATION

**Notifications:**

11/18/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
11/18/15 1:00 pm	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'





Report Selections: Period: 11/01/2015 00:00 thru 11/30/2015 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		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	2462984		11/18/2015	DAVIS	TELLMAN	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	11/19/15 07:30 AM	

**Discharge Reporting:**

Discharge Amount:	27,750 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD TO CLEAN SANITIZE AFFECTED AREA
Control Zone:	TEMP SIGNS AND CAUTION TAPE
Impact:	DISCOLORATION IN STREAM
Repair:	AREA INCLUDED IN IOAP
Public Notification:	DOOR CARDS

**Notifications:**

11/18/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
11/18/15 1:00 pm	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