



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

July 23, 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
June 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 June 2013.

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

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

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 0613

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_MOR_062013.XLS	xls	113664
DRG_Cover_062013.pdf	pdf	14764
201306DRGWQTC_Overflow.pdf	pdf	80171

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User: kessel@louisvillemsd.org

Date/Time: 2013-07-25 10:00 (Time Zone: -04:00)

Name: John Kessel

E-Mail: kessel@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 06/01/13 to 06/30/13			DMR Due Date:	07/28/13				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:	--																				
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	
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:	kessel@louisvillemsd.org				Date/Time:	2013-07-25 10:01 (Time Zone: -04:00)															
Name:	John Kessel																				
E-Mail:	kessel@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-Y BIOMONITORING/METALS/QUARTERLY	

Report Dates & Status

Monitoring Period: From 04/01/13 to 06/30/13	DMR Due Date: 07/28/13	Status: NetDMR Validated
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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: --

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						=	236		=	236	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						=	0.021		=	0.021	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						<	0.08		<	0.08	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						<	0.01		<	0.01	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

DRG 2nd Qtr Bio monitoring

Attachments

No attachments.

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User: kessel@louisvillemsd.org	Date/Time: 2013-07-25 10:13 (Time Zone: -04:00)
Name: John Kessel	
E-Mail: kessel@louisvillemsd.org	

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

KPDES Permit Number: KY0078956 Plant Capacity: 30 MGD Receiving Stream: Ohio River

Date	Total Flow (MG)	Raw Sewage		pH		Settleable Solids (mg/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	MLVSS (mg/L) X1000 #1	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	26.1834			7.1	7.2				6.8		170		11				143		16		3250					1850	1410	100.0	0.05				0.01	3.60	2		
2	23.9413			7.4	7.1				6.8		186		8				158		13		2900					1950	1500	100.0	0.05				0.01	3.90	2		
3	21.9000			7.0	7.2				6.8		206		9				170		15		2640					2110	1540	100.0	0.05				0.01	3.70	2		
4	19.8006			7.2	7.2				6.9		140		7				164		14		2980					2150	1620	80.0	0.04	1.62			0.01	6.30	2		
5	18.5408			7.1	7.3				7.0		200		7				168		16		2680					1760	1340	80.0	0.05		8.00		0.01	6.60	2		
6	21.2434			7.3	7.2				7.0		186		9				140		13		2900					1610	1220	80.0	0.05				0.01	7.20	3		
7	20.9336			7.3	7.2				7.0		190		8				130		13		2910					1830	1380	80.0	0.04				0.01	5.30	2		
8	20.0595			7.5	7.3				7.2		156		10				137		14		3400					1950	1450	80.0	0.04				0.01	4.50	2		
9	20.1025			7.3	7.2				7.0		174		9				150		14		3480					3330	2500	100.0	0.03				0.01	3.70	2		
10	26.9584			7.2	7.1				6.7		208		12				147		16		4350					2360	1750	100.0	0.04				0.01	4.60	2		
11	22.4467			7.1	7.2				7.0		254		7				207		12		4030					2130	1570	100.0	0.05	1.96			0.01	5.80	2		
12	23.2066			7.1	7.1				6.7		190		9				145		14		4150					2300	1710	100.0	0.04				0.01	5.50	3		
13	19.5861			7.2	7.6				7.0		160		9				138		12		4480					2530	1880	110.0	0.04		6.90		0.01	5.70	2		
14	18.7578			7.3	7.2				6.8		244		9				224		17		3590					2240	1680	100.0	0.04				0.01	5.30	5		
15	18.6741			7.5	7.2				7.3		180		9				145		18		3610					3300	2440	100.0	0.03				0.01	5.40	2		
16	19.4271			7.1	7.0				7.0		172		9				132		14		3880					2510	1810	110.0	0.04				0.01	4.30	2		
17	21.2790			6.8	7.1				6.4		186		17				150		23		3890					2810	2110	110.0	0.04		8.40		0.01	6.20	2		
18	43.1209			7.0	7.0				7.0		200		9				181		14		5690					1850	1350	60.0	0.03	1.29			0.01	3.50	2		
19	21.9794			7.2	7.2				7.0		152		5				101		11		4090					2680	1980	120.0	0.04				0.01	4.10	2		
20	20.2372			7.3	7.2				7.1		164		6				121		9		3790					2540	1860	120.0	0.05				0.01	4.50	2		
21	18.8789			7.4	7.2				6.9		168		6				127		9		3820					2530	1860	130.0	0.05				0.01	4.30	7		
22	18.8635			7.3	7.3				6.9		148		5				132		8		3690					3020	2240	140.0	0.05				0.01	4.10	1		
23	19.3359			7.3	7.6				6.9		208		5				138		12		3480					2270	1670	130.0	0.06				0.01	4.10	3		
24	19.4001			7.4	7.1				6.9		154		5				124		10		3630					2780	2000	140.0	0.05				0.01	4.10	2		
25	18.9160			7.4	7.2				6.0		204		5				149		15		3400					2600	1950	130.0	0.05	2.45	5.50		0.01	4.20	2		
26	25.5192			8.0	7.2				6.9		356		9				226		13		3820					3370	2520	130.0	0.04				0.01	4.60	32		
27	85.6825			7.2	7.1				7.0		252		10				259		13		5630					2010	1440	80.0	0.04				0.01	2.70	2		
28	31.2889			7.3	7.2				7.0		326		7				447		17		3840					2690	1960	140.0	0.05				0.01	2.60	2		
29	24.6545			8.0	7.4				7.0		478		6				439		15		3590					2250	1600	130.0	0.06				0.01	2.90	7		
30	28.2814			8.0	7.4				7.0		270		6				230		14		4130					2800	1960	130.0	0.05		5.40		0.01	4.00	3		
31	0.0000																																				
Total	###	0	0																		0.0		0.0														
Avg.	23.85			7.3	7.2				6.9		209		8				177		14		3724.0					2403.67	1776.67	107.00	#####	1.83	6.84	0.01	4.58			3	

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator C. Otto
 Residential Connections: _____
 Commercial Connections: _____ 227097 Flow 207525 BOD 198300 TSS Cert. # 20265
 Industrial Connections: _____
 Sewer Connections X 4 = 0 Phone # 502-540-6042



Report Selections: Last Full Month: 06/2013, 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	29948	6810 SANDSTONE BLVD		FERN CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	1939776		6/26/13 10:40 pm	SUMMERS	HENDERSON	DOCUMENTED	03/04/2008	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	06/27/13 12:30 AM	MAIN

Discharge Reporting:

Discharge Amount:	5,250 GAL
Cause:	LACK OF SYSTEM CAPACITY- HEAVY RAIN
Clean Up:	CREATED CLEAN UP WO#1939794
Control Zone:	TEMP SIGNS, TAPE, ADVISED CUSTOMER ON SITE.
Impact:	OBSERVED SEWAGE AND DEBRIS
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
Public Notification:	MSD ADVISED THE CUSTOMER ON SITE

Notifications:

6/18/13 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemSD.org'
6/18/13 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemSD.org'

Report Selections: Last Full Month: 06/2013, 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	31073	6808 SANDSTONE BLVD		FERN CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	1939777		6/26/13 10:50 pm	SUMMERS	HENDERSON	DOCUMENTED	03/09/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	06/27/13 12:20 AM	MAIN

Discharge Reporting:

Discharge Amount:	4,250 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	CREATED DISCLN WO#1939790
Control Zone:	TAPE, TEMP SIGNS, ADVISED CUSTOMER
Impact:	OBSERVED SEWAGE & DEBRIS
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
Public Notification:	MSD ADVISED CUSTOMER ON SITE

Notifications:

6/18/13 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
6/18/13 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org'

Report Selections: Last Full Month: 06/2013, 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	31074	6808 SANDSTONE BLVD		FERN CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	1939779		6/26/13 10:55 pm	SUMMERS	HENDERSON	DOCUMENTED	02/24/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	06/27/13 12:20 AM	MAIN

Discharge Reporting:

Discharge Amount:	4,500 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	CREATED DISCLN WO#1939792
Control Zone:	TAPE, TEMPORARY SIGNS, AND ADVISED CUSTOMER
Impact:	OBSERVED SEWAGE & DEBRIS
Repair:	A SOLUTION FOR THIS LOCATION INCLUDED IN THE IOAP
Public Notification:	MSD ADVISED CUSTOMER ON SITE

Notifications:

6/18/13 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
6/18/13 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org'



Report Selections: Last Full Month: 06/2013, 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	61266	4005 KIRBY LN		FERN CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	1939793		6/27/13 12:55 am	MARKS JR	OPS ASHIFT	DOCUMENTED	01/13/2013	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHAGE - WATERS	06/27/13 11:00 AM	

Discharge Reporting:

Discharge Amount:	750 GAL
Cause:	lighting strike blew 3 fuses in panel
Clean Up:	no debris
Control Zone:	temporary signs placed
Impact:	no impact observed
Repair:	replaced fuses in panel
Public Notification:	temporary signs placed around the affected area

Notifications:

6/27/13 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
6/27/13 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'

Total Facilities Printed: 4

Total Work Orders Printed: 4