



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

October 20, 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
September 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 September 2013.

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.

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 over a horizontal dotted line.

John Kessel
Process Supervisor, West Region

JMK/West County 0913

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

Also include in the september submittal is the 3rd QTR bio monitoring

Attachments

Name	Type	Size
DRG_MOR_092013.XLS	xls	113664
DRG_Cover_Overflow_092013.pdf	pdf	92352

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User:	kevin.ries@louisvillemsd.org	Date/Time:	2013-10-24 11:30 (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 09/01/13 to 09/30/13			DMR Due Date:	10/28/13				Status:	NetDMR Validated									
Considerations for Form Completion																			
Principal Executive Officer																			
First Name:				Title:					Telephone:										
Last Name:																			
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						<	0.01		<	0.01	19 - mg/L	03/30 - Three Per Month	CP - COMPOS	
					Permit Req.								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					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:	2013-10-24 11:25 (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-Y BIOMONITORING/METALS/QUARTERLY	

Report Dates & Status

Monitoring Period: From 07/01/13 to 09/30/13	DMR Due Date: 10/28/13	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: Heitzman		

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	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.035		=	0.035	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						<	0.08		<	0.08	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.01		<	0.01	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@louisvillemtd.org

Date/Time: 2013-10-24 11:24 (Time Zone: -04:00)

Name: Kevin Ries

E-Mail: kevin.ries@louisvillemtd.org

Name of Sewage Treatment Plant: West County WTP Jefferson County Month of: September 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	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
1	45.6300			7.4	7.0				6.9		128	10				81	9			7188					1630	1220	50.0	0.03				0.01	1.20	7		
2	32.3975			7.3	7.4				7.0		138	10				132	10			3400					2010	1460	90.0	0.04				0.01	2.50	5		
3	27.8709			7.2	7.3				6.0		146	6				131	5			3660					2370	1740	70.0	0.03	0.93			0.01	0.95	2		
4	21.1146			7.2	7.2				7.0		180	5				140	5			3650					2650	1870	90.0	0.03		1.60		0.01	0.31	7		
5	18.8578			7.5	7.3				7.0		180	4				129	5			3440					9040	6460	50.0	0.01				0.01	0.30	2		
6	18.0071			7.3	7.2				7.0		282	5				242	5			3280					2060	1480	80.0	0.04				0.01	0.45	17		
7	17.7868			7.6	7.3				7.0		322	4				291	5			2670					2040	1500	70.0	0.03				0.01	1.40	38		
8	19.2657			7.2	7.2				7.0		188	5				213	5			2630					1740	1250	70.0	0.04				0.01	2.00	2		
9	19.9980			7.3	7.4				7.0		446	4				297	6			3000					1810	1360	80.0	0.04				0.01	1.20	2		
10	23.9528			7.3	7.4				7.0		294	4				245	6			3090					1500	1130	90.0	0.06	1.98			0.01	1.90	13		
11	18.6754			7.4	7.2				7.0		188	4				133	4			3420					2460	1820	130.0	0.05		2.20		0.01	0.40	2		
12	18.3936			7.3	7.0				7.0		204	4				148	4			3520					2900	2120	130.0	0.04				0.01	0.28	8		
13	17.4946			7.2	7.1				7.0		200	4				129	4			3340					2940	2250	130.0	0.04				0.01	0.28	2		
14	16.6986			7.5	7.3				7.0		170	5				129	4			3600					2580	1910	130.0	0.05				0.01	0.39	3		
15	16.9697			7.3	7.3				7.0		234	5				136	4			3170					4300	3170	130.0	0.03				0.01	0.95	2		
16	16.7671			7.8	6.9				7.0		208	6				134	3			3200					2400	1800	130.0	0.05				0.01	0.45	2		
17	16.2573			7.5	6.9				7.0		232	4				139	3			3190					2530	1870	130.0	0.05	1.45			0.01	0.50	7		
18	15.8814			8.1	7.0				7.0		272	4				144	3			3070					3210	2390	110.0	0.03		1.90		0.01	0.59	2		
19	15.7348			7.5	6.8				7.0		264	3				157	4			3000					2410	1760	100.0	0.04				0.01	0.56	2		
20	18.3237			7.6	7.0				7.0		266	8				187	10			2810					2090	1520	100.0	0.05				0.01	1.90	3		
21	91.2293			6.7	7.0				6.0		104	14				67	8			6560					1550	1080	50.0	0.03				0.01	1.60	2		
22	30.9946			7.1	7.4				7.0		132	5				88	4			4040					2870	2060	140.0	0.05				0.01	0.39	2		
23	25.1170			7.0	7.1				7.0		98	4				117	4			3850					3070	2190	130.0	0.04				0.01	0.28	4		
24	21.3700			7.4	7.4				7.0		410	5				354	3			3580					2910	2050	130.0	0.04	1.87			0.01	0.34	3		
25	19.3113			7.4	7.0				7.0		480	5				354	3			3500					2790	1990	120.0	0.04		1.90		0.01	0.45	10		
26	18.7805			7.3	6.9				7.0		222	5				199	4			3380					2350	1660	100.0	0.04				0.01	0.17	15		
27	17.8956			7.4	6.9				7.0		208	5				130	4			2950					2400	1740	100.0	0.04				0.01	0.28	5		
28	17.8464			7.3	7.1				7.0		236	3				139	3			3480					2470	1800	100.0	0.04				0.01	0.73	4		
29	17.8707			7.1	7.1				7.2		204	6				153	5			3100					2760	2000	100.0	0.04		2.50		0.01	1.10	3		
30	18.9818			7.7	7.4				7.0		188	6				186	5			2990					2780	1990	100.0	0.04				0.01	0.73	2		
31																																				
Total	####	0	0																	0.0		0.0														
Avg.	23.18			7.4	7.2				6.9		227	5				171	5			3525.3					2687.33	1954.67	101.00	0	1.56	2.02	0.01	0.82			4	

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator Deborah Hathaway
 Residential Connections: _____
 Commercial Connections: _____ 220786 Flow 194252 BOD 209423 TSS Cert. # # 16354
 Industrial Connections: _____
 Sewer Connections X 4 = 0 Phone # 502-540-6000



Report Selections: Period: 09/01/2013 00:00 thru 09/30/2013 23:59, 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	2016708		9/21/13 3:42 am	RAY	HENDERSON	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	09/21/13 01:01 PM	MAIN

Discharge Reporting:

Discharge Amount:	108,001 GAL
Cause:	lack of system capacity
Clean Up:	msd to clean and sanitize affected area
Control Zone:	TAPE, TEMP SIGNS, ADVISED CUSTOMER
Impact:	SEWAGE & DEBRIS
Repair:	area included in the ioap
Public Notification:	advised customer on site

Notifications:

9/11/13 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'
9/11/13 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'



Report Selections: Period: 09/01/2013 00:00 thru 09/30/2013 23:59, 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
SMN Sewer Main	29949	6810 SANDSTONE BLVD			

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2016707		9/21/13 3:37 am	RAY	HENDERSON			LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	09/21/13 06:15 AM	MAIN

Discharge Reporting:

Discharge Amount:	6,750 GAL
Cause:	lack of system capacity
Clean Up:	msd to clean and sanitize affected area
Control Zone:	TAPE, TEMP SIGNS, ADVISED CUSTOMER
Impact:	SEWAGE & DEBRIS
Repair:	location included in ioap
Public Notification:	advised customers on site

Notifications:

9/11/13 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'
9/11/13 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'



Report Selections: Period: 09/01/2013 00:00 thru 09/30/2013 23:59, 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	2016705		9/21/13 3:25 am	RAY	HENDERSON	DOCUMENTED	03/09/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	09/21/13 09:30 AM	MAIN

Discharge Reporting:

Discharge Amount:	23,040 GAL
Cause:	lack of system capacity
Clean Up:	msd to clean and sanitize affected area
Control Zone:	TAPE, TEMP SIGNS, ADVISE CUSTOMER
Impact:	SEWAGE, DEBRIS
Repair:	location part of the loap
Public Notification:	advised customers using door cards

Notifications:

9/11/13 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'
9/11/13 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'



Report Selections: Period: 09/01/2013 00:00 thru 09/30/2013 23:59, 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	2016706		9/21/13 3:33 am	RAY	HENDERSON	DOCUMENTED	02/24/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	09/21/13 09:30 AM	MAIN

Discharge Reporting:

Discharge Amount:	34,560 GAL
Cause:	lack of system capacity
Clean Up:	msd to clean and sanitize affected area
Control Zone:	TAPE, TEMP SIGNS, ADVISED CUSTOMER
Impact:	SEWAGE & DEBRIS
Repair:	location part of ioap
Public Notification:	advised customers on site

Notifications:

9/11/13 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemad.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'
9/11/13 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemad.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'