



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

August 21, 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
July 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 July 2013.

There were no exceedences or bypass reports during the month of July for the Derek Guthrie WQTC.

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

If you have any questions concerning the attached DMR's, please contact me at (502)540-6031.

Sincerely,

John Kessel
Process Supervisor, West Region

JMK/West County 0713

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_072013_Cover.pdf	pdf	13802
201307DRGWQTC_Overflow.pdf	pdf	78741
DRG_072013_MOR.XLS	xls	113664

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User:	kevin.ries@louisvillemsd.org	Date/Time:	2013-08-27 10:39 (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 07/01/13 to 07/31/13			DMR Due Date:	08/28/13						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:	kevin.ries@louisvillemtd.org						Date/Time:	2013-08-27 10:40 (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: July 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)	Screenings (cu. yd)	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	24.6588			7.2	7.2				7.0		204	7				176	11				3570					2010	1450	130.0	0.06				0.01	5.20	2	
2	28.7492			7.2	7.4				7.0		190	6				158	13				3910					1520	1080	100.0	0.07	1.59			0.01	5.20	2	
3	22.5412			7.4	7.5				7.2		176	7				134	13				2700					1470	1050	100.0	0.07				0.01	4.50	2	
4	45.0913			7.4	6.8				7.1		430	11				131	15				3560					1570	1150	80.0	0.05				0.01	3.90	4	
5	37.2534			7.0	7.1				7.2		112	7				80	10				4890					2590	1860	150.0	0.06				0.01	2.00	2	
6	87.0966			7.2	7.1				7.2		94	14				57	16				7180					1320	990	70.0	0.05				0.01	2.40	4	
7	39.7094			7.2	7.2				7.0		126	6				114	13				4890					2280	1680	150.0	0.07		2.80		0.01	1.80	2	
8	29.7887			9.0	7.6				7.0		108	5				89	9				3760					3470	2400	120.0	0.03				0.01	1.80	5	
9	25.9685			7.5	7.2				7.0		124	6				86	13				3600					3280	2340	120.0	0.04				0.01	2.20	3	
10	33.9522			8.2	7.2				6.0		210	6				104	9				3190					2390	1680	130.0	0.05	1.02			0.01	3.40	3	
11	29.7436			7.1	7.1				6.9		126	5				91	9				3780					1840	1330	120.0	0.07				0.01	2.80	2	
12	21.5516			7.1	7.1				7.0		126	6				82	8				3320					2130	1550	120.0	0.06				0.01	2.60	5	
13	21.1668			7.1	6.8				6.0		126	7				109	13				2960					2160	1550	100.0	0.05				0.01	3.20	3	
14	20.1240			7.4	7.0				6.0		166	7				169	13				2910					1130	890	90.0	0.08		5.80		0.01	4.60	5	
15	29.0060			7.5	7.1				6.9		164	6				137	10				3350					1550	1170	100.0	0.06				0.01	5.60	11	
16	20.7967			7.5	7.2				7.0		164	6				125	8				2830					1960	1420	100.0	0.05	2.03			0.01	5.60	9	
17	20.1807			7.4	7.0				7.0		196	5				160	8				3250					1760	1280	90.0	0.05				0.01	6.20	5	
18	19.6314			7.3	7.2				7.0		242	6				140	10				2930					4570	3290	70.0	0.02				0.01	6.40	3	
19	19.6874			7.3	7.0				7.1		220	6				140	8				3140					1840	1370	90.0	0.05				0.01	5.30	2	
20	19.4207			7.2	7.5				6.9		194	6				122	7				3350					4550	3300	80.0	0.02				0.01	4.40	3	
21	19.0769			7.3	7.1				7.0		204	7				160	10				2870					2590	1870	80.0	0.03		7.00		0.01	5.40	3	
22	71.5628			7.1	7.3				7.0		132	9				77	18				3010					1780	1290	90.0	0.05				0.01	3.00	7	
23	49.0613			7.1	7.0				7.0		128	7				91	8				5070					2020	1670	70.0	0.03	1.04			0.01	2.10	4	
24	26.1285			7.1	7.2				7.0		186	6				111	7				3930					2780	2010	120.0	0.04				0.01	2.50	2	
25	21.1718			7.2	7.4				6.8		168	7				137	8				3200					2390	1720	100.0	0.04				0.01	2.80	51	
26	20.2528			7.0	7.2				7.2		150	7				117	11				4460					2410	1750	100.0	0.04				0.01	2.50	3	
27	19.9767			7.2	7.2				7.3		216	8				128	8				3980					2830	2010	100.0	0.04				0.01	2.20	35	
28	21.3454			7.3	7.3				7.1		170	9				134	14				4470					2510	1780	120.0	0.05		4.70		0.01	3.10	101	
29	19.0129			7.4	7.0				6.9		186	8				152	11				4470					5740	4120	100.0	0.02				0.01	1.90	35	
30	17.1770			7.2	7.1				7.2		308	3				264	5				4090					2620	1840	130.0	0.05	1.54			0.01	1.40	31	
31	20.3680			8.6	7.2				6.8		212	8				158	7				4550					5100	3680	130.0	0.03				0.01	0.84	2	
Total	#####	10	10																		0.0		0.0													
Avg.	29.07			7.4	7.2				6.9		179	7				127	10				3779.7					2521.29	1824.84	104.84	0	1.44	5.08	0.01	3.45	5		

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

Industrial Waste Population Equivalent
276882 Flow 180952 BOD 207009 TSS

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

Report Selections: Period: 07/01/2013 00:00 thru 07/31/2013 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	04775	2312 EMBASSY LN		MILL CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	1948643		7/17/13 1:35 pm	MORRISON	MORRISON	REPAIRED - ISSUE RESOLVED	07/17/2013	ROOTS	UNAUTHORIZED DISCHAGE - WATERS	07/17/13 02:35 PM	

Discharge Reporting:

Discharge Amount:	15 GAL
Cause:	Main sewer was obstructed with tree roots. While flushing main sewer to relieve the obstruction, sewage mixed with water discharged on the ground.
Clean Up:	MSD personnel cleaned the impacted area, we raked and bagged the debris off the ground.
Control Zone:	MSD personnel put out discharge signs
Impact:	Some sewage mixed with water and some personal hygiene products on the ground.
Repair:	Flush work order # 1948651 was created to remove the tree root blockage in the main sewer.
Public Notification:	MSD personnel notified customer on site.

Notifications:

7/11/13 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'
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Report Selections: Period: 07/01/2013 00:00 thru 07/31/2013 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
SMN Sewer Main	06940B-AG	3721 DIXIE HWY		UPPER MILL CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	1949439		7/21/13 1:17 am	GREEN	OPS ASHIFT	REPAIRED - ISSUE RESOLVED	07/21/2013	MECHANICAL FAILURE	UNAUTHORIZED DISCHAGE - WATERS	07/20/13 11:06 PM	

Discharge Reporting:

Discharge Amount:	10 GAL
Cause:	FORCE MAIN BREAK
Clean Up:	NO DEBRIS
Control Zone:	TEMPORARY SIGNS
Impact:	SEWAGE WATER
Repair:	HAULED STATION WHILE REPAIRS WERE MADE
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA.

Notifications:

7/18/13 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'
7/18/13 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: 07/01/2013 00:00 thru 07/31/2013 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	1944737		7/6/13 10:00 am	RHODES	HOLLEY	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	07/06/13 02:55 PM	MAIN

Discharge Reporting:

Discharge Amount:	30,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	CREATED DISCLN W/O#1944739
Control Zone:	MSD PLACED CAUTION TAPE & TEMPORARY SIGNS
Impact:	OBSERVED SEWAGE AND DEBRIS
Repair:	A SOLUTION FOR THIS IS INCLUDED IN THE IOAP
Public Notification:	MSD ADVISED THE CUSTOMER ON SITE

Notifications:

7/6/13 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'
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Total Facilities Printed: 3

Total Work Orders Printed: 3