



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

February 14, 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, January 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 January 2014

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

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

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 0114

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_Cover_012014.pdf	pdf	13294
201401_DRGWQTC_OverflowReport.pdf	pdf	77134

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User: kessel@louisvillemsd.org | Date/Time: 2014-02-24 08:42 (Time Zone: -05:00)
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 01/01/14 to 01/31/14			DMR Due Date:	02/28/14				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@louisvillemsd.org				Date/Time:	2014-02-21 08:51 (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: January 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	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	27.4300			6.9	7.1				8.0		358	5				201	8			4090					2520	1900	200.0	0.08		1.26			0.01	1.80	3	
2	28.0600			7.3	6.8				7.0		182	6				151	9			4100					2780	2120	200.0	0.07					0.01	1.60	2	
3	25.8550			7.1	7.0				7.0		210	9				140	10			4760					2590	1970	200.0	0.08					0.01	1.80	2	
4	25.7570			7.3	7.0				7.0		266	8				201	9			4210					4050	3090	190.0	0.05					0.01	1.90	3	
5	37.9600			7.5	7.1				7.0		286	14				275	41			3820					2700	2080	190.0	0.07			5.20		0.01	3.80	3	
6	56.0400			7.2	7.1				6.0		88	10				69	12			4930					1830	1500	150.0	0.08					0.01	1.30	5	
7	30.7400			7.4	7.0				7.0		38	7				111	11			3670					2570	1980	200.0	0.08	1.39				0.01	1.70	3	
8	28.9400			7.0	7.2				7.0		196	7				141	8			3780					2210	1700	200.0	0.09					0.01	1.40	5	
9	26.1400			7.3	7.2				7.0		188	4				176	6			3220					2430	1790	210.0	0.09					0.01	1.40	2	
10	25.8700			7.0	7.1				6.0		362	7				312	43			3430					2270	1730	200.0	0.09					0.01	1.50	2	
11	110.670			6.9	7.0				6.0		156	13				121	29			5830					1320	1030	130.0	0.10					0.01	1.80	21	
12	61.3050			7.2	6.7				7.0		236	11				297	12			4970					2490	1870	180.0	0.07			3.30		0.01	1.80	13	
13	46.7100			7.3	7.2				7.0		188	4				162	7			4530					2100	1530	190.0	0.09					0.01	2.20	2	
14	66.4700			7.1	7.2				7.0		298	5				293	10			4370					1870	1380	160.0	0.09	0.59				0.01	3.00	7	
15	32.9750			7.2	7.1				6.0		410	6				353	8			4020					2290	1730	220.0	0.10					0.01	2.40	2	
16	32.9500			7.2	7.2				7.8		268	6				175	9			4100					2320	1750	200.0	0.09					0.01	2.40	2	
17	28.2750			7.4	7.3				7.0		226	7				198	10			4180					2850	1990	190.0	0.07					0.01	2.70	2	
18	27.5600			7.3	6.9				7.0		410	8				296	11			3900					2690	2070	170.0	0.06					0.01	3.30	3	
19	27.1600			7.0	7.0				7.0		406	7				362	13			3580					2120	1620	170.0	0.08					0.01	3.40	2	
20	26.2210			6.9	6.9				7.0		332	7				251	12			3610					2200	1690	190.0	0.09			4.60		0.01	3.20	2	
21	25.1940			7.1	6.9				8.0		447	7				334	13			3830					2080	1600	180.0	0.09	0.96				0.01	3.10	10	
22	24.8500			7.1	6.8				8.0		260	7				219	10			5010					2210	1650	180.0	0.08					0.01	3.60	2	
23	23.0110			7.2	6.9				9.0		540	6				314	12			3400					2040	1570	180.0	0.09					0.01	3.20	2	
24	23.0880			7.4	7.0				8.7		234	8				206	8			3170					1920	1490	150.0	0.08					0.01	3.60	2	
25	24.1220			7.2	7.0				8.4		322	8				239	11			3120					2170	1690	160.0	0.07					0.01	4.20	2	
26	24.6600			7.3	6.9				8.2		166	8				218	14			3110					2030	1580	160.0	0.08			5.30		0.01	4.20	2	
27	23.8100			7.3	7.0				8.0		292	8				247	12			3210					2190	1700	160.0	0.07					0.01	3.50	20	
28	23.2000			7.6	7.5				8.0		114	8				115	8			2980					2170	1870	160.0	0.07	1.43				0.01	2.80	2	
29	22.4000			7.5	7.2				9.0		210	8				164	9			3040					2020	1450	160.0	0.08					0.01	3.40	2	
30	25.1900			7.1	7.0				9.0		192	7				40	11			3460					2460	1900	170.0	0.07					0.01	4.10	2	
31	23.8900			7.7	7.5				9.0		170	8				141	10			3810					2140	1620	160.0	0.07					0.01	3.90	2	
Total	#####	0	0																0.0		0.0															
Avg.	33.44			7.2	7.1				7.5		260	8				210	13			3911.0					2310.65	1762.58	179.35	0.08		1.12	4.60	0.01	2.71		3	

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator D. Hathaway
 Residential Connections: _____
 Commercial Connections: _____ 318434 Flow 345100 BOD 344861 TSS Cert. # 16354
 Industrial Connections: _____
 Sewer Connections X 4 = 0 Phone # 502-540-6031

Report Selections: Period: 01/01/2014 00:00 thru 01/31/2014 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	2095107		1/11/14 2:48 pm	RHODES	TELLMAN	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	01/11/14 02:00 PM	

Discharge Reporting:

Discharge Amount:	12,000 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	NO CLEAN UP NEEDED
Control Zone:	MSD PERSONNEL PLACED CAUTION TAPE & TEMPORARY SIGNS WORK ORDER#2095112
Impact:	MSD PERSONNEL OBSERVED NO SEWAGE OR DEBRIS ON THE GROUND
Repair:	A SOLUTION FOR THIS INCLUDED IN THE IOAP
Public Notification:	MSD PERSONNEL ADVISED THE CUSTOMERS BY DOOR CARDS

Notifications:

1/11/14 1:02 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
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Report Selections: Period: 01/01/2014 00:00 thru 01/31/2014 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	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	2095053		1/11/14 5:30 am	MOONEY	CRAWFORD III	DOCUMENTED	03/09/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	01/11/14 06:35 AM	MAIN

Discharge Reporting:

Discharge Amount:	1,625 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	CREATED DISCLN WO
Control Zone:	TAPE
Impact:	SEWAGE
Repair:	THIS SOLUTION IS INCLUDED IN THE IOAP
Public Notification:	MSD ADVISED CUSTOMER BY DOOR CARD

Notifications:

1/10/14 1:01 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
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Report Selections: Period: 01/01/2014 00:00 thru 01/31/2014 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	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	2095056		1/11/14 5:30 am	MOONEY	CRAWFORD III	DOCUMENTED	02/24/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	01/11/14 06:35 AM	MAIN

Discharge Reporting:

Discharge Amount:	1,625 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	CREATED WO
Control Zone:	TAPE
Impact:	OBSERVED SEWAGE AND DEBRIS
Repair:	A SOLUTION FOR THIS INCLUDED IN THE IOAP
Public Notification:	MSD ADVISED THE CUSTOMER ON SITE

Notifications:

1/10/14 1:01 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
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Total Facilities Printed: 3

Total Work Orders Printed: 3