



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

August 15, 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, July 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 July 2013.

There were no exceedences or bypasses 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,

A handwritten signature in black ink, appearing to read "John Kessel", with a long, sweeping underline that extends to the right.

John Kessel
Process Supervisor, West Region

JMK/West County 0714

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_072014.pdf	pdf	16676
201407_DRGWQTC_OverflowReport.pdf	pdf	73016
DRG_072014_MOR.xlsx	xlsx	45113

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User: kevin.ries@louisvillemsd.org | Date/Time: 2014-08-25 10:17 (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 07/01/14 to 07/31/14	DMR Due Date:	08/28/14	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	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	Value 3
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--							<	0.01		<	0.01	19 - mg/L	01/01 - Daily	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:	2014-08-25 10:12 (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 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	MLYSS (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	18.88			7.2	7.0				6.0		338		7				197		8		3470					1990	1500	95.0	0.05		1.95	4.70	0.01	1.80	22	
2	20.95			7.4	7.1				7.0		268		7				172		8		3850					2080	1540	100.0	0.05				0.01	2.40	16	
3	18.64			7.4	7.0				6.0		252		5				232		7		3430					1840	1380	105.0	0.06				0.01	2.40	5	
4	17.69			7.1	7.1				7.0		296		6				239		7		3330					2380	1790	110.0	0.05				0.01	1.90	2	
5	15.99			7.0	7.0				7.0		284		7				235		7		3580					2620	1930	120.0	0.05				0.01	1.80	2	
6	17.01			7.0	6.9				7.0		190		5				186		11		3230					1960	1490	110.0	0.06				0.01	2.20	2	
7	17.23			8.4	7.4				6.0		220		6				180		10		3720					2160	1650	100.0	0.05				0.01	1.90	5	
8	17.29			7.2	7.0				7.0		218		5				160		8		4500					2090	1510	90.0	0.04	2.03			0.01	1.70	2	
9	17.19			7.2	6.9				6.0		334		6				190		7		3390					1840	1390	80.0	0.04				0.01	2.20	4	
10	16.76			7.2	7.0				6.0		256		7				202		7		3420					1860	1390	80.0	0.04		4.10		0.01	2.10	2	
11	16.93			7.2	6.9				6.5		248		7				200		8		3240					1900	1430	75.0	0.04				0.01	2.00	2	
12	17.36			7.2	7.0				7.0		234		8				147		12		3340					1710	1290	80.0	0.05				0.01	3.30	4	
13	17.04			7.2	6.9				7.0		270		11				214		13		3640					2120	1590	100.0	0.05				0.01	3.10	2	
14	40.54			6.9	6.8				6.0		194		7				133		10		5600					1360	1000	65.0	0.05				0.01	3.60	4	
15	38.49			7.0	7.0				7.4		172		10				120		12		4670					2320	1730	110.0	0.05	1.14			0.01	3.40	4	
16	25.58			6.9	7.2				7.0		192		7				112		8		4280					2160	1590	100.0	0.05				0.01	2.00	4	
17	19.00			7.2	6.9				7.0		212		7				165		7		4160					3040	2240	110.0	0.04		3.40		0.01	1.70	4	
18	17.59			7.2	6.9				7.1		204		8				182		8		4700					2010	1470	100.0	0.05				0.01	1.90	6	
19	18.36			7.1	7.0				6.0		186		7				141		6		3280					2310	1760	110.0	0.05				0.01	1.90	4	
20	18.25			7.0	6.8				6.0		202		6				164		9		3410					3000	2230	100.0	0.03				0.01	2.00	2	
21	17.82			7.1	6.8				7.2		234		6				173		8		3620					3040	2220	90.0	0.03				0.01	1.80	2	
22	17.47			7.0	6.8				6.8		192		5				144		8		3680					2210	1630	100.0	0.05	1.13			0.01	1.70	4	
23	17.28			7.0	6.9				7.0		540		6				326		6		3600					2190	1600	100.0	0.05				0.01	1.60	2	
24	18.35			7.2	7.1				7.0		608		6				368		9		3920					2090	1540	95.0	0.05		3.80		0.01	2.10	2	
25	17.20			8.5	7.2				7.0		492		8				466		8		3630					1840	1360	90.0	0.05				0.01	3.00	27	
26	16.42			8.3	7.2				7.0		578		11				282		8		3380					1980	1480	90.0	0.05				0.01	3.30	2	
27	64.04			6.8	7.0				6.0		340		12				224		15		5490					1810	1320	70.0	0.04				0.01	3.10	4	
28	32.83			6.9	6.8				6.3		308		6				249		7		4340					2600	1860	110.0	0.04				0.01	1.80	4	
29	24.04			7.4	7.3				6.0		380		8				296		7		4140					2040	1420	90.0	0.04	1.20			0.01	1.80	8	
30	19.55			7.2	6.9				7.0		334		10				221		7		4150					2700	1930	100.0	0.04		4.00		0.01	1.70	26	
31	19.86			7.0	7.1				7.0		340		8				248		8		3910					2370	1700	100.0	0.04				0.01	1.80	14	
Total	671.6110	0	0																0.0		0.0															
Avg.	21.66			7.2	7.0				6.7		294		7				212		9		3874.2					2181.29	1611.61	95.97	0	1.49	4.00	0.01	2.23		4	

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator K. Karcher
 Residential Connections: _____
 Commercial Connections: _____ 206332 Flow 225188 BOD 253015 TSS Cert. # 20894
 Industrial Connections: _____
 Sewer Connections X 4 = 0 Phone # 502-540-6042



Report Selections: Period: 07/01/2014 00:00 thru 07/31/2014 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	2201272		7/27/14 10:20 am	RHODES	HENDERSON	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	07/27/14 02:30 PM	

Discharge Reporting:

Discharge Amount:	12,500 GAL
Cause:	RAIN EVENT LACK OF SYSTEM CAPACITY
Clean Up:	MSD PERSONNEL WILL CLEAN AREA UNDER WORK ORDER#2204779
Control Zone:	MSD PERSONNEL PLACED CAUTION TAPE AND SIGNS
Impact:	MSD PERSONNEL OBSERVED SEWAGE
Repair:	LOCATION PART OF MSD IOAP
Public Notification:	MSD PERSONNEL ADVISED BY WAY OF DOOR CARD

Notifications:

7/27/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemSD.org, Sayre.Dennis@epamail.epa.gov'
7/14/14 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: 1

Total Work Orders Printed: 1