



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

November 19, 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, October 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 October 2014.

There were no exceedences, bypasses reports during the month of October for the Derek Guthrie WQTC.

Also included is an overflow report for the month of October.

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 10/14

Enclosures

ec: 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_102014.pdf	pdf	15868
201410_DRGWQTC_OverflowReport.pdf	pdf	72025
DRG_MOR_102014.XLS	xls	116224

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User: kessel@louisvillemsd.org

Date/Time: 2014-11-25 09:00 (Time Zone: -05:00)

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Name of Sewage Treatment Plant: West County WTP Jefferson County Month of: October 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	16.510			7.1	6.8				7.1		536		6				296		6		3260					3420	2500	90.0	0.03				0.01	0.90	7	
2	16.205			7.0	7.0				7.1		504		5				304		6		3210					1930	1420	90.0	0.05				0.01	1.20	2	
3	17.673			6.9	6.8				6.0		456		7				256		5		3580					1910	1410	80.0	0.04				0.01	2.40	2	
4	17.645			7.5	7.0				7.0		526		5				353		4		3260					1870	1370	90.0	0.05				0.01	2.30	2	
5	16.990			6.9	6.8				7.2		406		5				321		7		3070					1790	1310	90.0	0.05			4.10	0.01	3.50	2	
6	21.250			7.3	7.1				7.0		672		5				558		7		2990					1850	1430	100.0	0.05				0.01	9.20	3	
7	21.200			7.0	6.9				7.0		672		7				410		7		3800					1990	1500	85.0	0.04	2.63			0.01	5.30	2	
8	18.380			7.0	7.0				6.0		544		4				323		5		3270					2010	1490	90.0	0.04				0.01	2.80	3	
9	17.530			7.0	7.0				7.0		568		2				347		4		3720					1880	1370	90.0	0.05				0.01	4.20	2	
10	26.990			7.1	7.0				7.0		645		9				1140		4		3900					1890	1380	90.0	0.05				0.01	6.30	2	
11	22.500			7.2	7.1				7.0		590		6				468		5		3870					1840	1360	90.0	0.05				0.01	2.40	2	
12	20.304			7.1	6.9				6.0		652		5				528		8		3030					1870	1400	100.0	0.05			4.10	0.01	2.60	3	
13	32.630			7.2	7.0				6.0		895		5				485		8		3740					2110	1550	95.0	0.05				0.01	4.40	3	
14	83.770			6.9	7.0				6.0		392		5				206		9		5810					1310	980	55.0	0.04	0.71			0.01	2.80	12	
15	47.300			7.2	7.2				7.0		416		8				295		8		5070					2150	1580	100.0	0.05				0.01	1.80	14	
16	35.259			7.2	7.2				7.0		476		5				342		6		4850					2390	1760	110.0	0.05				0.01	2.50	3	
17	27.760			8.7	7.1				7.0		474		7				525		7		4410					1940	1430	100.0	0.05				0.01	2.30	2	
18	24.000			7.3	6.9				7.0		320		7				360		8		3640					1990	1500	100.0	0.05				0.01	2.60	2	
19	22.408			7.4	7.2				7.0		300		3				264		9		3620					2060	1490	110.0	0.05			3.80	0.01	2.70	2	
20	22.713			7.2	6.9				7.1		248		6				179		7		3770					2360	1740	100.0	0.04				0.01	2.30	7	
21	20.975			6.8	6.9				7.1		248		7				159		7		4090					2020	1480	95.0	0.05	1.44			0.02	1.80	9	
22	19.912			7.5	7.2				7.0		154		5				140		7		3890					2090	1580	95.0	0.05				0.02	1.70	10	
23	19.381			7.2	7.0				7.1		228		6				151		7		3390					1900	1390	100.0	0.05				0.02	1.20	14	
24	20.292			7.3	6.9				7.0		295		10				260		9		3560					2130	1580	95.0	0.04				0.02	3.00	2	
25	18.945			7.0	7.0				7.0		595		9				233		9		3280					1810	1390	80.0	0.04				0.02	3.50	3	
26	18.950			7.2	6.9				7.0		328		8				359		16		3360					1710	1330	70.0	0.04			4.90	0.02	3.60	3	
27	19.250			7.0	6.9				5.0		420		7				235		12		3340					1910	1450	75.0	0.04				0.02	3.10	4	
28	19.300			7.5	7.2				6.0		176		8				214		8		3850					1950	1460	70.0	0.04	1.63			0.02	2.80	2	
29	18.620			7.5	7.3				7.0		256		8				166		7		3380					1920	1470	70.0	0.04				0.02	3.10	2	
30	17.860			8.5	7.0				6.0		408		7				271		7		3520					1820	1310	75.0	0.04				0.02	2.80	3	
31	17.680			7.5	7.0				7.1		325		8				218		8		3760					1970	1510	70.0	0.04				0.02	2.30	7	
Total	740.18	0	0																	0.0		0.0														
Avg.	23.88			7.3	7.0				6.7		443		6				334		7		3719.0					1993.23	1481.29	88.71	0	1.60	4.23	0.01	3.01	3		

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator Scott Reed
 Residential Connections: _____
 Commercial Connections: _____ 227398 Flow 391691 BOD 419831 TSS Cert. # #15689
 Industrial Connections: _____
 Sewer Connections X 4 = 0 Phone # 502-540-6042



Report Selections: Period: 10/01/2014 00:00 thru 10/31/2014 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	2250410		10/14/14 11:00 am	DAVIS	TELLMAN	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	10/14/14 03:00 PM	

Discharge Reporting:

Discharge Amount:	12,000 GAL
Cause:	lack of system capacity due to rain event
Clean Up:	msd to clean and sanitize affected area
Control Zone:	caution tape and temp signs
Impact:	sewage
Repair:	location included in ioap
Public Notification:	door cards

Notifications:

10/15/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
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Total Facilities Printed: 1

Total Work Orders Printed: 1