



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

September 18, 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, August 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 August 2014.

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

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

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 horizontal line extending to the right.

John Kessel
Process Supervisor, West Region

JMK/West County 0814

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_082014.pdf	pdf	13884
DRG_MOR_082014.XLS	xls	113664
201408_DRGWQTC_OverflowReport.pdf	pdf	73519

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User: kevin.ries@louisvillemsd.org | Date/Time: 2014-09-23 13:51 (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 08/01/14 to 08/31/14			DMR Due Date:	09/28/14				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@louisvillemtd.org				Date/Time:	2014-09-23 13:52 (Time Zone: -04:00)															
Name:	Kevin Ries																				
E-Mail:	kevin.ries@louisvillemtd.org																				

Name of Sewage Treatment Plant: West County WTP County: Jefferson Month of: August 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	Dissolved Oxygen (mg/L) #1	Dissolved 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	WAS			
1	17.5070			7.2	7.0					6.9			238			8				182			7			3780			2230	1610	90.0	0.04				0.01	2.20	42		
2	17.6920			7.2	7.1					6.5			374			8				259			7			2930			2340	1670	90.0	0.04				0.01	2.20	4		
3	17.7390			7.6	7.5					6.5			392			7				272			8			3310			2470	1760	90.0	0.04				0.01	2.10	4		
4	18.5040			7.1	7.0					6.0			396			8				315			11			3410			1920	1370	90.0	0.05				0.01	1.90	4		
5	17.6200			7.1	7.0					7.6			464			7				318			8			3490			2080	1490	100.0	0.05	1.81	3.50	0.01	1.60	2			
6	17.2760			7.0	7.0					7.0			420			3				301			4			3630			2090	1520	100.0	0.05				0.01	1.20	6		
7	17.5760			7.4	7.4					7.0			444			3				281			5			4790			2240	1620	90.0	0.04				0.01	1.30	8		
8	47.4130			7.5	7.3					7.0			358			18				392			17			4760			2260	1590	85.0	0.04				0.01	2.30	7		
9	35.6330			7.3	7.2					7.0			290			10				194			12			4510			3160	2230	120.0	0.04				0.01	0.67	21		
10	33.8520			7.0	7.0					7.0			364			7				263			8			4200			2580	1860	120.0	0.05				0.01	1.30	43		
11	35.3630			7.1	7.1					7.0			428			5				331			10			4180			2540	1770	120.0	0.05				0.01	2.00	19		
12	39.1000			7.1	7.1					7.0			328			3				258			5			5780			1960	1400	90.0	0.05	1.14	1.80	0.01	0.56	14			
13	24.2900			7.2	7.2					7.0			452			5				390			7			3880			1940	1370	85.0	0.04				0.01	0.62	64		
14	20.4500			7.5	7.3					6.0			508			2				416			6			3960			2750	1980	110.0	0.04				0.01	0.62	10		
15	20.7860			7.2	7.2					6.0			464			6				608			7			4150			2700	1910	120.0	0.04				0.01	0.62	31		
16	19.2070			7.4	7.2					7.0			366			3				307			3			4030			2350	1710	110.0	0.05				0.01	1.30	19		
17	33.6600			7.3	7.2					7.0			422			12				239			19			5260			2220	1600	90.0	0.04				0.01	3.20	8		
18	43.3370			7.0	7.0					7.0			1320			6				862			8			3320			1440	1030	70.0	0.05				0.01	0.95	9		
19	25.1030			7.1	7.2					6.0			386			3				306			6			4090			2300	1720	140.0	0.06	0.70	1.80	0.01	0.50	11			
20	23.0660			7.0	7.1					6.0			318			4				330			6			3810			2410	1770	140.0	0.06				0.01	0.28	8		
21	20.5300			7.0	7.0					6.0			314			4				229			5			3360			2320	1630	140.0	0.06				0.01	0.28	2		
22	21.8790			7.0	6.9					6.1			402			7				225			7			3280			2350	1790	140.0	0.06				0.01	0.84	14		
23	54.0690			7.1	7.0					6.2			250			3				142			5			5170			1700	1230	90.0	0.05				0.01	0.90	8		
24	63.6200			7.0	6.9					6.2			256			6				210			7			4620			1350	950	70.0	0.05				0.01	0.45	84		
25	29.5000			7.1	7.3					7.0			274			4				122			6			5510			2520	1820	130.0	0.05				0.01	0.11	14		
26	27.4550			7.1	7.2					6.0			562			12				233			13			3650			2300	1630	100.0	0.04	1.24	2.70	0.01	0.22	83			
27	33.3170			7.4	7.2					7.0			410			34				202			23			3970			3060	2180	120.0	0.04				0.01	1.50	4560		
28	33.5730			7.3	7.2					8.0			364			9				206			15			4770			2670	1890	130.0	0.05				0.01	0.28	12		
29	27.0100			7.7	7.2					7.0			356			12				185			13			4180			2990	2180	110.0	0.04				0.01	1.00	105		
30	25.9000			7.4	7.3					6.0			304			11				222			8			3980			2590	1890	120.0	0.05				0.01	1.80	14		
31	25.8300			7.3	7.3					6.0			302			9				257			8			4530			2270	1650	100.0	0.04				0.01	1.30	2		
Total	887.8570	0	0																																					
Avg.	28.64			7.2	7.1					6.6			404			8							9			4138.4			#####	1671.61	106.45		0	1.22	2.45	0.01	1.16	15		

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator Kerry Karcher
 Residential Connections: _____
 Commercial Connections: _____ 272767 Flow 410508 BOD 459599 TSS Cert. # #20894
 Industrial Connections: _____
 Sewer Connections X 4 = 0 Phone # 502-540-6030



Report Selections: Period: 08/01/2014 00:00 thru 08/31/2014 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	2220870		8/27/14 9:56 pm	WITTEN	TELLMAN	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	08/27/14 11:30 PM	

Discharge Reporting:

Discharge Amount:	15,000 GAL
Cause:	HEAVY RAIN EXCEEDED CAPACITY
Clean Up:	MSD TO CLEAN AND SANITIZE AFFECTED AREA
Control Zone:	TAPE & TEMP SIGNS
Impact:	SEWAGE
Repair:	A SOLUTION FOR THIS IS INCLUDED IN THE IOAP
Public Notification:	MSD ADVISED CUSTOMER BY DOOR CARD

Notifications:

8/28/14 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