



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

July 16, 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, June

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 June 2014.

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

Also included is the 2nd qtr Bio-monitoring DMR.

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", written over a white background.

John Kessel
Process Supervisor, West Region

JMK/West County 0614

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
KESSEL_0716102044_001.pdf	pdf	16539
DRG_MOR_062014.XLS	xls	114688

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User:	kevin.ries@louisvillemsd.org	Date/Time:	2014-07-24 10:22 (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 06/01/14 to 06/30/14			DMR Due Date:	07/28/14				Status:	NetDMR Validated											
Considerations for Form Completion																					
Principal Executive Officer																					
First Name:	Greg			Title:	Esec 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																					
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DEREK R GUTHRIE WQTC MSD																					
User:	kevin.ries@louisvillemsd.org				Date/Time:	2014-07-24 10:22 (Time Zone: -04:00)															
Name:	Kevin Ries																				
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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-Y BIOMONITORING/METALS/QUARTERLY	

Report Dates & Status

Monitoring Period: From 04/01/14 to 06/30/14	DMR Due Date: 07/28/14	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	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	
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample						=	248		=	248	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.													01/90 - Quarterly	G2 - GRAB-2	
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.032		=	0.032	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.													01/90 - Quarterly	G2 - GRAB-2	
					Value NODI															
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.													01/90 - Quarterly	G2 - GRAB-2	
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.													01/90 - Quarterly	G2 - GRAB-2	
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.01		=	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.													01/90 - Quarterly	G2 - GRAB-2	
					Value NODI															
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2F - tox acute	01/90 - Quarterly	CP - COMPOS		
					Permit Req.											<=	1 DAILY MX	2F - tox acute	01/90 - Quarterly	G2 - GRAB-2
					Value NODI															

Submission Note

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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: 2014-07-24 10:23 (Time Zone: -04:00)
Name: Kevin Ries	
E-Mail: kevin.ries@louisvillemsd.org	

Name of Sewage Treatment Plant: West County WTP Jefferson County Month of: June 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) X 1000 #1	MLVSS (mg/L) X 1000 #1	90 min. Sett.	SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Fecal Coliform Col./100ml	Hexavalent Chromium	Hardness
1	22.01			7.2	6.9			7.1		214		11				231		14		3880					2530	1880	120.0	0.05				0.01	3.40	43			
2	21.53			6.9	6.8			7.2		348		11				338		14		4190					2210	1610	120.0	0.05				0.01	2.50	86			
3	21.42			7.2	7.1			6.0		458		12				449		14		3720					2100	1570	110.0	0.05	1.45	5.60	0.01	2.20	6				
4	20.55			7.0	7.0			7.0		236		9				166		12		4100					1900	1390	120.0	0.06			0.01	1.50	4				
5	19.89			8.2	7.1			7.0		282		11				181		14		3790					2120	1580	120.0	0.06			0.01	2.00	2				
6	20.22			7.1	7.0			7.0		290		6				216		13		4000					2080	1530	120.0	0.06			0.01	3.10	2				
7	19.32			7.9	7.1			7.0		248		9				169		15		3650					2050	1510	110.0	0.05			0.01	2.50	5				
8	19.58			7.1	7.1			7.0		274		7				204		11		3910					2920	2140	80.0	0.03			0.01	2.40	17				
9	18.67			7.1	7.0			7.0		292		8				171		12		3810					2260	1700	120.0	0.05			0.01	2.10	12				
10	20.51			7.0	7.2			6.0		208		5				250		8		3240					1520	1140	90.0	0.06	1.91	3.40	0.01	2.20	20		214		
11	24.45			8.5	7.0			7.0		360		6				193		8		3930					2320	1720	100.0	0.04			0.01	3.40	22	0.01			
12	22.22			7.1	7.1			7.0		322		5				204		6		4180					2010	1460	100.0	0.05			0.01	2.10	6				
13	20.00			7.0	7.0			7.0		218		6				140		6		3940					1830	1320	100.0	0.05			0.01	1.20	16				
14	19.23			7.1	7.0			7.0		304		7				174		6		3750					2390	1750	120.0	0.05			0.01	2.00	28				
15	18.67			7.3	7.0			6.8		330		8				248		10		3880					3080	2310	110.0	0.04			0.01	2.90	20				
16	18.35			7.4	7.2			6.0		314		6				195		9		3620					2140	1620	110.0	0.05			0.01	2.10	34				
17	18.17			7.2	6.8			7.0		240		8				187		5		3650					2030	1480	120.0	0.06	0.93	3.60	0.01	2.20	44				
18	18.10			7.2	6.8			7.0		202		7				173		7		3640					2110	1540	110.0	0.05			0.01	2.40	20				
19	17.99			7.0	6.8			7.0		266		7				141		9		3550					1900	1420	110.0	0.06			0.01	2.90	7				
20	17.45			6.9	7.0			6.0		258		8				193		10		3800					2000	1470	100.0	0.05			0.01	2.20	9				
21	24.20			7.0	6.8			7.0		172		9				184		11		3260					2300	1750	100.0	0.04			0.01	2.60	2				
22	19.85			7.1	6.8			7.0		326		3				284		6		3420					2020	1510	100.0	0.05			0.01	2.70	5				
23	19.27			7.2	7.2			6.0		294		4				180		7		3230					2170	1620	100.0	0.05			0.01	2.20	4				
24	23.49			7.1	7.1			6.0		364		11				200		10		3420					2710	2070	90.0	0.03	1.31	6.80	0.01	4.00	2				
25	21.18			7.0	7.0			7.0		236		6				140		9		3420					2520	1890	100.0	0.04			0.01	2.60	20				
26	19.13			7.3	7.2			7.0		430		6				233		7		3570					2240	1650	100.0	0.04			0.01	1.70	4				
27	19.01			7.1	7.3			7.0		202		7				161		7		3680					2240	1680	100.0	0.04			0.01	1.90	2				
28	20.07			8.3	7.0			7.0		204		6				183		7		3660					3920	2910	100.0	0.03			0.01	2.20	11				
29	19.55			7.0	7.0			7.0		244		6				186		7		3590					2360	1760	100.0	0.04			0.01	2.70	6				
30	19.14			7.1	7.0			7.0		220		5				182		9		3540					2020	1550	100.0	0.05			0.01	2.50	2				
31																																					
Total	#####	0	0																0.0		0.0																
Avg.	20.11			7.3	7.0			6.8		279		7				205		9		3700.7					2266.67	1684.33	106.00	0	1.40	4.85	0.01	2.41	9	0.01	214		

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator Kerry Karcher
 Residential Connections: _____
 Commercial Connections: _____ 191490 Flow 202409 BOD 222412 TSS Cert. # #20894
 Industrial Connections: _____
 Sewer Connections X 4 = 0 Phone # 502-540-6041