



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

April 22, 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 - March 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 March 2014.

There were no exceedences, overflow or bypass reports during the month of March.

Also included is the first quarter bio-monitoring report.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5856.

Sincerely,

A handwritten signature in black ink, appearing to read "John Kessel", written over a horizontal line.

John Kessel
Process Supervisor, West Region

JK/Derek Guthrie 04/14

Enclosures

cc:

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_2014.pdf	pdf	13820
DRG_MOR_032014.XLS	xls	115200

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User:	kevin.ries@louisvillemsd.org	Date/Time:	2014-04-23 10:56 (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 03/01/14 to 03/31/14			DMR Due Date:	04/28/14				Status:	NetDMR Validated									
Considerations for Form Completion																			
Principal Executive Officer																			
First Name:	Greg			Title:	Ex 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						<	0.01		<	0.01	19 - mg/L	03/30 - Three Per Month	CP - COMPOS	
					Permit Req.								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Value NODI														
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:	2014-04-23 10:46 (Time Zone: -04:00)													
Name:	Kevin Ries																		
E-Mail:	kevin.ries@louisvillemtd.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-Y BIOMONITORING/METALS/QUARTERLY	

Report Dates & Status

Monitoring Period: From 01/01/14 to 03/31/14	DMR Due Date: 04/28/14	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						=	246		=	246	19 - mg/L	0	01/90 - Quarterly	G2 - GRAB-2		
					Permit Req.																
					Value NODI																
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.031		=	0.031	19 - mg/L	0	01/90 - Quarterly	G2 - GRAB-2		
					Permit Req.																
					Value NODI																
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	0	01/90 - Quarterly	G2 - GRAB-2		
					Permit Req.																
					Value NODI																
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.08		<	0.08	19 - mg/L	0	01/90 - Quarterly	G2 - GRAB-2		
					Permit Req.																
					Value NODI																
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.01		<	0.01	19 - mg/L	0	01/90 - Quarterly	G2 - GRAB-2		
					Permit Req.																
					Value NODI																
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2F - tox acute	0	01/90 - Quarterly	G2 - GRAB-2		
					Permit Req.											<=	1 DAILY MX	2F - tox acute	0	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@louisvillemd.org	Date/Time: 2014-04-23 10:44 (Time Zone: -04:00)
Name: Kevin Ries	
E-Mail: kevin.ries@louisvillemd.org	

Name of Sewage Treatment Plant:

West County WTP

Jefferson

Month of:

March

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	WAS	Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	MLSS (mg/L) X1000 #1	MLYSS (mg/L) X1000 #1	30 min. SetS.	SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Fecal Coliform Col./100ml	
1	23.7400			7.0	7.0				9.0		248	5					200		9		3760						2470	1870	190.0	0.08					0.01	2.70	2
2	42.9500			7.0	7.0				8.0		254	4					226		14		3600						2450	1870	200.0	0.08			5.40	0.01	2.40	2	
3	32.5300			7.3	7.0				8.3		172	5					138		12		4420					3130	2420	200.0	0.06				0.01	1.60	2		
4	33.4900			7.1	7.2				9.0		238	3					161		5		3920					3210	2430	210.0	0.07	1.06			0.01	2.40	2		
5	32.2600			7.3	7.0				8.4		128	8					116		11		3760					2440	1900	180.0	0.07				0.01	2.60	2		
6	33.2400			7.2	7.0				8.4		156	4					114		4		3870					2170	1670	180.0	0.08				0.01	2.40	2		
7	31.0800			7.3	7.1				9.0		132	7					136		7		3450					2190	1670	180.0	0.08				0.01	2.40	2		
8	30.3620			7.0	6.9				7.0		168	8					146		8		3490					2370	1840	180.0	0.08				0.01	2.40	2		
9	27.8650			7.2	7.2				7.5		218	6					184		8		3450					2470	1910	170.0	0.07				0.01	2.50	2		
10	27.1500			7.6	7.1				8.0		342	2					339		5		3760					2430	1900	180.0	0.07				0.01	2.80	2		
11	24.8000			7.0	7.0				8.4		246	3					206		13		3490					2460	1910	180.0	0.07	0.84			0.01	2.40	2		
12	27.9200			7.2	7.0				8.0		310	3					269		6		3620					2280	1750	170.0	0.07			4.00	0.01	2.50	2		
13	26.2880			7.1	7.1				8.0		296	3					172		4		3380					2220	1690	180.0	0.08				0.01	2.20	2		
14	26.0100			7.7	7.2				9.0		352	6					263		6		3370					2430	1870	180.0	0.07				0.01	3.10	4		
15	23.7000			7.1	7.0				9.0		398	6					202		8		3960					2570	1980	190.0	0.07				0.01	2.40	2		
16	24.2870			7.4	7.0				9.0		260	6					176		7		3840					3010	2310	190.0	0.06				0.01	3.00	2		
17	24.1700			7.4	7.0				8.0		210	6					157		13		3830					2520	1890	180.0	0.07				0.01	3.20	2		
18	24.1000			7.5	7.4				7.7		334	8					220		9		3840					2510	1910	190.0	0.08	1.40			0.01	2.80	2		
19	23.8950			7.2	6.9				7.7		274	7					162		9		3810					2510	1980	180.0	0.07			3.50	0.01	2.90	2		
20	23.5630			7.5	6.9				7.7		220	6					179		11		3980					2540	1890	180.0	0.07				0.01	2.20	2		
21	22.3000			7.3	6.9				7.6		186	7					143		8		4360					2600	1980	190.0	0.07				0.01	2.40	2		
22	21.7660			8.4	7.3				7.0		244	7					194		9		3820					2880	2180	190.0	0.07				0.01	2.90	2		
23	21.5850			7.2	6.9				7.7		212	7					203		10		3670					3780	2930	180.0	0.05				0.01	3.40	2		
24	20.9130			7.1	6.8				7.2		248	7					142		8		3820					2560	1920	180.0	0.07				0.01	3.70	2		
25	20.9130			7.1	7.1				6.5		298	7					194		9		3620					2650	2070	180.0	0.07	0.79			0.01	2.90	2		
26	20.3460			7.4	7.2				6.6		308	6					211		10		3670					2420	1840	190.0	0.08			4.70	0.01	3.60	2		
27	20.6250			7.2	7.1				7.0		264	6					208		9		3640					2510	1930	180.0	0.07				0.01	3.20	2		
28	23.6600			7.3	7.1				6.8		114	7					236		21		3890					4030	3090	180.0	0.04				0.01	2.60	2		
29	57.8810			7.4	7.2				6.8		96	10					170		19		3740					2650	2030	220.0	0.08				0.01	3.20	4		
30	40.8360			7.1	7.0				7.0		252	8					210		12		4410					2770	2110	180.0	0.06				0.01	2.60	2		
31	30.6000			7.2	7.0				7.0		204	7					213		10		4270					2490	1930	180.0	0.07				0.01	2.50	2		
Total	864.8250	0	0																	0.0			0.0														
Avg.	27.90			7.3	7.0				7.8		238	6					190		9		3790.6						2636.13	2021.61	185.16	0			1.02	4.40	0.01	2.71	2

Total Number of Sewer Connections: 0
 Residential Connections: _____
 Commercial Connections: _____
 Industrial Connections: _____
 Sewer Connections X 4 = 0

Industrial Waste Population Equivalent

265691	260038	263831
Flow	BOD	TSS

Operator: D. Hathaway
 Cert. #: 16354
 Phone #: 502-540-6031