



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

January 15, 2015

Ms. Cheryl Edwards
Kentucky Division of Water
200 Fair Oaks Lane
Frankfort, Kentucky 40601

RE: Derek Guthrie WQTC, KPDES No: KY0078956
Discharge Monitoring Report, December 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 December 2014.

There were no exceedences, bypass reports during the month of December for the Derek Guthrie WQTC.

Also included is a overflow report for the month of Novmeber and the fourth quarter bio monitoring report.

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 in a cursive style.

John Kessel
Process Supervisor, West Region

JMK/West County 12/14

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_122014.pdf	pdf	16515
DRG_MOR_122014.xlsx	xlsx	45743
DRG_Overflow_122014.pdf	pdf	76351

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User: kevin.ries@louisvillemsd.org

Date/Time: 2015-01-22 10:57 (Time Zone: -05:00)

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 12/01/14 to 12/31/14				DMR Due Date:	01/28/15				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	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			
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--							<	0.004	<	0.004	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@louisvillemsd.org				Date/Time:	2015-01-22 10:58 (Time Zone: -05:00)												
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-Y BIOMONITORING/METALS/QUARTERLY	

Report Dates & Status

Monitoring Period: From 10/01/14 to 12/31/14	DMR Due Date: 01/28/15	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						=	218		=	218	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS			
					Permit Req.																	
					Value NODI																	
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.03		=	0.03	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS			
					Permit Req.																	
					Value NODI																	
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS			
					Permit Req.																	
					Value NODI																	
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05		<	0.05	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS			
					Permit Req.																	
					Value NODI																	
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.007		=	0.007	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS			
					Permit Req.																	
					Value NODI																	
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2F - tox acute	0	01/90 - Quarterly	GR - GRAB			
					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@louisvillemsd.org

Date/Time: 2015-01-22 11:00 (Time Zone: -05:00)

Name: Kevin Ries

E-Mail: kevin.ries@louisvillemsd.org

Name of Sewage Treatment Plant: West County WTP Jefferson County Month of: December 2014
 KPDES Permit Number: KY0078956 Plant Capacity: 30 MGD Receiving Stream: Ohio River

Date	Total Flow (MG)	Raw Sewage		pH		Settleable Solids (mg/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	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	Hexavalent Chromium	Hardness
1	47.53			7.6	7.4				6.9		268		17				211		36				4260					1920	1510	125.0	0.07			9.10	0.02	6.60	2			
2	35.40			7.1	7.0				7.3		224		9				162		18				5500					1510	1190	95.0	0.06		1.22		0.02	4.50	2			
3	27.53			7.3	7.0				7.0		272		8				226		19				4110					1680	1300	115.0	0.07				0.02	5.30	2			
4	27.53			7.1	7.1				7.0		316		8				238		20				3720					1730	1360	115.0	0.07				0.02	6.00	3			
5	42.18			7.1	7.0				8.0		300		6				178		10				4190					1580	1220	100.0	0.06				0.02	4.90	2			
6	134.50			6.9	6.5				7.0		325		7				82		11				3850					1170	910	120.0	0.10				0.02	2.10	8			
7	75.21			7.1	7.0				8.4		284		9				234		14				4200					1520	1130	110.0	0.07				0.02	2.40	5			
8	49.41			7.0	7.0				8.0		208		7				160		13				3870					2430	1830	160.0	0.07				0.02	3.50	3			
9	44.06			7.0	7.1				8.0		560		4				392		9				5000					1810	1360	130.0	0.07	1.00		0.02	3.60	4		238		
10	26.59			7.3	7.1				8.0		412		4				277		10				4680					2550	1890	175.0	0.07		4.40	0.02	3.20	3	0.004			
11	25.85			8.0	7.4				8.0		845		5				596		16				4800					2680	1970	170.0	0.06				0.02	3.70	2			
12	27.20			7.1	7.0				8.0		495		5				557		4				5220					2180	1630	160.0	0.07				0.02	3.70	2			
13	22.61			7.5	7.0				7.0		525		5				378		10				5320					2440	1850	180.0	0.07				0.02	4.00	2			
14	22.56			7.2	7.0				7.0		462		4				383		14				4440					2370	1750	180.0	0.08				0.02	4.00	2			
15	21.73			7.1	7.2				7.0		444		5				353		9				4100					2630	1990	180.0	0.07				0.02	3.00	2			
16	24.15			7.1	7.0				7.0		392		4				255		11				4330					2400	1820	180.0	0.08	1.16		0.02	3.00	2				
17	21.78			7.1	7.0				7.0		444		3				302		9				4260					2200	1670	180.0	0.08		4.00	0.02	3.00	5				
18	20.37			7.2	7.3				8.0		492		3				254		8				4000					2430	1900	180.0	0.07				0.02	2.90	2			
19	19.79			7.5	7.4				8.0		610		2				452		5				3890					2630	1980	180.0	0.07				0.02	2.40	4			
20	20.22			7.2	7.2				8.0		390		4				370		8				4010					2280	1740	180.0	0.08				0.02	3.10	12			
21	20.42			7.1	7.0				8.0		276		5				279		12				3920					2300	1720	170.0	0.07				0.02	2.60	7			
22	20.05			7.3	7.1				7.0		392		5				275		11				4500					2060	1640	165.0	0.08	5.14		0.02	3.80	8				
23	28.35			7.0	6.9				7.0		305		7				222		13				5890					1890	1450	130.0	0.07				0.02	3.80	17			
24	31.29			7.0	7.0				7.0		238		9				182		12				4430					2110	1640	150.0	0.07				0.02	4.90	8			
25	27.61			7.1	7.0				7.0		194		5				170		6				4820					2070	1610	150.0	0.07		5.30	0.02	4.00	10				
26	25.80			7.2	7.1				7.0		210		5				159		11				5100					2240	1660	150.0	0.07				0.02	5.60	7			
27	27.45			7.1	7.2				7.0		196		7				270		11				4810					1840	1460	140.0	0.08				0.02	6.50	7			
28	33.74			7.3	7.0				7.1		316		8				232		13				6210					1370	1080	100.0	0.07				0.02	6.10	12			
29	28.13			7.2	7.1				7.0		336		7				220		12				4480					1540	1200	130.0	0.08				0.02	5.40	16			
30	24.71			7.6	7.5				6.0		264		6				184		11				4900					1700	1320	140.0	0.08	2.15	6.70	0.02	4.80	15				
31	23.24			7.2	7.2				7.0		190		6				258		13				4420					1780	1340	140.0	0.08				0.02	5.50	15			
Total	1027.00	0	0																				0.0		0.0															
Avg.	33.13			7.2	7.1				7.3		361		6				275		12				4555.8					2033.55	1552.26	147.74	0	2.13	5.90	0.02	4.13	5	0.004	238		

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator D. Hathaway
 Residential Connections: _____
 Commercial Connections: _____ 315514 Flow 446215 BOD 474711 TSS Cert. # #16354
 Industrial Connections: _____
 Sewer Connections X 4 = 0 Phone # 502-540-6042



Report Selections: Period: 12/01/2014 00:00 thru 12/31/2014 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	25479	6102 COOPER CHAPEL RD		PENNSYLVANIA RUN	CATCH BASIN

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2273406		12/6/14 1:30 am	GREEN	OPS ASHIFT	DOCUMENTED	06/19/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	12/06/14 10:30 AM	

Discharge Reporting:

Discharge Amount:	13,500 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	CONTRACTOR CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	SEWAGE OBSERVED ON THE GROUND
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

Notifications:

12/6/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemSD.org, Sayre.Dennis@epamail.epa.gov'
12/6/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemSD.org, Sayre.Dennis@epamail.epa.gov'



Report Selections: Period: 12/01/2014 00:00 thru 12/31/2014 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	2273390		12/6/14 1:15 am	WHITFIELD-BA KER	TELLMAN	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	12/06/14 02:00 PM	MAIN

Discharge Reporting:

Discharge Amount:	21,000 GAL
Cause:	HEAVY RAIN; EXCEEDED CAPACITY
Clean Up:	MSD CLEANED AND SANITIZED AFFECTED AREA
Control Zone:	TAPE AND TEMPORARY SIGNS
Impact:	SEWAGE
Repair:	INCLUDED IN IOAP
Public Notification:	ADVISED CUSTOMERS BY DOOR CARD

Notifications:

12/6/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemSD.org, Sayre.Dennis@epamail.epa.gov'
12/6/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemSD.org, Sayre.Dennis@epamail.epa.gov'

Total Facilities Printed: 2

Total Work Orders Printed: 2