



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

July 13, 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, June 2015

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 2015.

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

Also included are the monthly overflow reports and 2nd Qtr. 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 "J. Kessel", written in a cursive style.

John Kessel
Process Supervisor, West Region

JMK/West County 06/15
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
2015_6_DRGWQTC_OverflowReport.pdf	pdf	74751
DRG_Cover1.pdf	pdf	46235
DRG_MOR_062015.xls	xls	36585

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User: kessel@louisvillemsd.org

Date/Time: 2015-07-20 08:54 (Time Zone: -04:00)

Name: John Kessel

E-Mail: kessel@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 06/01/15 to 06/30/15						DMR Due Date:	07/28/15						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				Value 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:	kessel@louisvillemsd.org						Date/Time:	2015-07-20 08:55 (Time Zone: -04:00)											
Name:	John Kessel																		
E-Mail:	kessel@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 04/01/15 to 06/30/15	DMR Due Date: 07/28/15	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						=	220	=	220	19 - mg/L		01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.042	<	0.042	19 - mg/L		01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.0005	<	0.0005	19 - mg/L		01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001	<	0.001	19 - mg/L		01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.005	<	0.005	19 - mg/L		01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample								<	1	2F - tox acute		01/90 - Quarterly	GR - GRAB	
					Permit Req.								<=	1 DAILY MX	2F - tox acute	0			
					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: kessel@louisvillemsd.org

Date/Time: 2015-07-20 08:55 (Time Zone: -04:00)

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Name of Sewage Treatment Plant: West County WTP Jefferson County Month of: June 2015

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
				Raw																																
1	34.62			6.4	6.3				7.0		258		10				151		13		4370					2500	1980	140.0	0.06				0.02	3.00	6	
2	30.78			6.6	6.3				7.0		194		8				136		11		4530					2480	1960	140.0	0.06	1.85			0.02	2.50	6	
3	31.56			6.9	6.7				7.0		178		9				139		11		4270					2420	1900	135.0	0.06		4.50		0.02	2.80	10	
4	30.43			6.8	6.3				7.7		228		10				149		14		4830					2740	2140	140.0	0.05				0.02	2.80	7	
5	29.82			6.7	6.4				7.5		215		11				152		11		4230					2020	1580	140.0	0.07				0.02	2.50	6	
6	29.39			6.6	6.3				7.3		330		11				173		15		4740					2810	2150	140.0	0.05				0.02	2.70	5	
7	28.93			6.7	6.3				7.5		222		5				156		8		4670					2640	2070	140.0	0.05				0.02	2.80	9	
8	31.50			6.9	7.0				7.0		356		10				204		12		4300					2940	2360	140.0	0.05				0.02	2.80	13	
9	31.23			6.5	6.5				7.0		224		9				152		12		4500					2700	2060	130.0	0.05	0.89	4.40		0.02	2.60	11	
10	29.34			6.5	6.5				7.0		212		9				150		11		4630					2580	2020	145.0	0.06				0.02	2.30	7	
11	28.86			6.5	6.5				7.0		256		9				155		11		4500					2600	2020	140.0	0.05				0.02	2.50	8	
12	29.84			6.5	6.5				7.0		230		9				144		9		4500					2780	2180	135.0	0.05				0.02	2.60	24	
13	28.26			6.5	6.6				7.0		255		8				150		9		4800					2450	1890	130.0	0.05				0.02	2.70	12	
14	19.95			7.0	6.5				7.0		252		3				209		6		3590					2650	2050	140.0	0.05				0.02	2.00	4	
15	28.55			7.0	7.0				7.2		200		4				152		7		3530					2420	1900	120.0	0.05				0.02	2.50	20	
16	28.46			7.0	7.0				7.0		260		5				172		8		4470					2400	1880	120.0	0.05	3.53	4.40		0.02	2.70	32	
17	46.27			6.6	6.7				7.0		335		7				190		9		4600					2220	1720	115.0	0.05				0.02	2.20	27	
18	47.94			6.6	6.6				7.0		180		8				127		8		5090					3060	2330	110.0	0.04				0.02	1.80	11	
19	67.53			6.7	6.8				7.0		255		4				196		6		5420					1790	1320	90.0	0.05				0.02	3.00	28	
20	94.00			6.7	6.4				7.1		128		4				70		5		6160					2310	1730	120.0	0.05				0.02	1.10	16	
21	65.43			6.5	6.3				7.1		136		2				103		5		5460					2370	1750	120.0	0.05				0.02	1.60	150	
22	49.70			6.6	6.5				7.0		176		4				113		7		5630					2520	1880	110.0	0.04				0.02	2.20	12	
23	46.69			7.6	7.5				7.0		196		6				116		10		5030					2520	1840	115.0	0.05	0.89	3.40		0.02	2.10	6	
24	38.96			6.8	6.9				7.0		168		5				116		8		5330					2580	1860	120.0	0.05				0.02	2.30	6	
25	38.87			6.7	6.6				7.0		192		8				124		12		4970					2920	2180	130.0	0.04				0.02	2.50	3	
26	109.77			6.6	6.6				6.0		98		4				54		6		6700					1500	1090	60.0	0.04				0.02	1.20	8	
27	98.48			6.6	6.5				7.0		78		2				62		4		6080					1790	1250	80.0	0.04				0.02	1.10	6	
28	64.35			6.7	6.8				7.0		110		7				86		12		5420					2620	1900	120.0	0.05				0.02	2.00	8	
29	51.56			6.7	6.4				7.0		118		5				96		12		5370					2020	1480	100.0	0.05			4.80	0.02	2.70	7	
30	47.13			6.8	6.5				7.0		138		6				101		10		6000					2200	1620	115.0	0.05	1.03			0.02	2.70	20	
31																																				
Total	1338.18	0	0																	0.0		0.0														
Avg.	44.61			6.7	6.6				7.0		206		7				137		9		4924.0					2451.67	1869.67	122.67	0.05	1.64	4.30	0.02	2.34	11		

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator Patterson
 Residential Connections: _____
 Commercial Connections: _____ 424820 Flow 298925 BOD 364811 TSS Cert. # #5879
 Industrial Connections: _____
 Sewer Connections X 4 = 0 Phone # 502-540-6042



Report Selections: Period: 06/01/2015 00:00 thru 06/30/2015 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		OHIO RIVER	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2374366		06/20/2015	DAVIS	TELLMAN	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	06/20/15 02:15 PM	

Discharge Reporting:

Discharge Amount:	3,300 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD TO CLEAN AND SANITIZE AFFECTED AREA
Control Zone:	CAUTION TAPE AND TEMP SIGNS
Impact:	SEWAGE
Repair:	AREA INCLUDED IN IOAP
Public Notification:	DOOR HANGERS

Notifications:

6/20/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
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Report Selections: Period: 06/01/2015 00:00 thru 06/30/2015 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 (Cont'd)	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	WEST

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRAIN EVENT DISCHARGE	2376059		6/26/2015 1:00:00AM	TELLMAN	DAVIS	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	06/26/15 02:00 PM	

Discharge Reporting:

Discharge Amount:	20,325 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO HEAVY RAIN
Clean Up:	MSD TO CLEAN AND SANITIZE AFFECTED AREA
Control Zone:	CAUTION TAPE AND TEMP SIGNS
Impact:	SEWAGE
Repair:	AREA INCLUDED IN IOAP
Public Notification:	DOOR CARDS

Notifications:

6/24/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
6/24/15 1:00 pm	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'

Report Selections: Period: 06/01/2015 00:00 thru 06/30/2015 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	31073	6808 SANDSTONE BLVD		OHIO RIVER	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2374367		06/20/2015	DAVIS	HENDERSON	DOCUMENTED	03/09/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	06/20/15 10:45 AM	

Discharge Reporting:

Discharge Amount:	200 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD TO CLEAN AND SANITIZE AFFECTED AREA
Control Zone:	CAUTION TAPE AND TEMP SIGNS
Impact:	SEWAGE
Repair:	AREA INCLUDED IN IOAP
Public Notification:	DOOR CARDS

Notifications:

6/20/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
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Total Facilities Printed: 2

Total Work Orders Printed: 3