



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

November 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, October 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 October 2015.

There were no exceedence or bypass reports for the month of October for the Derek Guthrie WQTC.

Also included is a overflow report for the month of October.

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 10/15
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
DRG_MOR_102015.xlsx	xlsx	45678
2015_10_DRGWQTC_OverflowReport.pdf	pdf	68200
DRG_Cover_102015.pdf	pdf	49502

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User: kessel@louisvillemsd.org

Date/Time: 2015-11-16 09:16 (Time Zone: -05:00)

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 10/01/15 to 10/31/15	DMR Due Date:	11/28/15	Status:	NetDMR Validated
--------------------	---------------------------	---------------	----------	---------	------------------

Considerations for Form Completion

Principal Executive Officer

First Name:	James A.	Title:	Exec Director	Telephone:	502-540-6000
Last Name:	Parrott				

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	Units	
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:	2015-11-16 09:08 (Time Zone: -05:00)
Name:	John Kessel		
E-Mail:	kessel@louisvillemsd.org		

Name of Sewage Treatment Plant:										West County WTP										Jefferson										Month of:										October										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 Return		WAS		Aeration Basin						Digested		Final																										
		Remove d (cu. ft.)	Concentrations (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	Gal/Day	MLSS mg/L X 1000	Gal/Day X 1000	Oxygen	Oxygen	MLSS (mg/L) X1000 #1	MLVSS (mg/L) X1000 #1	30 min. SVI	60 min. SVI	% Solids	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Coliform	Col/100																								
1	23.11			7.3	7.5				7.0		436.0	5.0					413.0	7.0		4040					2260	1690	120					0.015	2.10	2																									
2	23.77			7.3	7.2				7.0		525.0	4.0					543.0	6.0		3430					1840	1370	90					0.015	4.00	27																									
3	48.88			7.2	7.2				6.0		320.0	3.0					296.0	7.0		4100					1680	1270	90					0.015	3.60	5																									
4	37.80			7.3	7.3				7.0		296.0	6.0					217.0	4.0		4790					2370	1800	120		4.80			0.015	3.10	3																									
5	36.15			7.3	7.3				7.1		324.0	6.0					244.0	10.0		4430					2300	1730	120					0.015	3.20	12																									
6	32.08			7.6	7.4				7.23		404.0	6.0					265.0	10.0		4640					2040	1550	120		1.05			0.015	3.30	24																									
7	30.48			7.5	7.6				7.0		296.0	5.0					225.0	8.0		4760					2100	1610	120					0.015	3.10	7																									
8	29.71			7.5	7.5				7.2		384.0	5.0					225.0	8.0		4430					2080	1620	100					0.015	3.20	26																									
9	32.02			7.2	7.3				7.0		265.0	5.0					290.0	9.0		4340					2210	1700	120					0.015	4.00	31																									
10	29.00			7.2	7.2				7.0		420.0	6.0					318.0	7.0		4650					3590	2730	130					0.015	3.10	2																									
11	29.86			7.2	7.3				7.1		544.0	3.0					610.0	8.0		4790					2000	1590	130		5.80			0.015	4.80	14																									
12	29.75			7.2	7.2				7.2		420.0	6.0					226.0	9.0		4000					2430	1900	150					0.015	3.20	2																									
13	40.07			7.1	7.5				6.0		336.0	7.0					251.0	10.0		3720					2120	1640	130		1.83			0.015	2.50	2																									
14	31.97			7.3	7.4				7.0		372.0	5.0					253.0	8.0		3900					2180	1630	150					0.015	2.70	2																									
15	30.51			7.2	7.2				7.0		616.0	5.0					528.0	7.0		4020					2440	1950	150					0.015	2.60	3																									
16	23.31			7.1	7.2				7.0		292.0	5.0					292.0	7.0		4970					2330	1790	150					0.015	1.00	4																									
17	17.45			7.4	7.1				7.0		445.0	4.0					465.0	5.0		3830					6490	5040	120					0.015	1.10	5																									
18	17.65			7.5	7.1				6.0		456.0	6.0					412.0	10.0		Scratched				Scratched	Scratched	Scratched	Scratched				3.60	0.015	2.90	2																									
19	17.69			7.2	7.1				7.2		392.0	5.0					309.0	5.0		5730					2620	2020	160					0.015	0.67	2																									
20	17.47			7.2	7.1				6.9		388.0	3.0					310.0	5.0		3080					2520	1970	160		2.13			0.015	0.62	4																									
21	17.54			7.3	7.0				7.0		428.0	4.0					341.0	5.0		3090					2570.00	1980	150					0.015	0.71	2																									
22	18.12			7.1	7.1				6.9		488.0	4.0					373.0	5.0		2890					2600	2030	150					0.015	0.56	6																									
23	17.12			7.1	7.0				7.0		530.0	5.0					388.0	5.0		3290					3030.00	2350	140					0.015	0.56	8																									
24	18.49			7.0	7.0				7.0		490.0	7.0					560.0	6.0		3440					2490	1950	150					0.015	1.10	3																									
25	25.87			7.1	7.1				7.0		420.0	5.0					321.0	6.0		3580					2500	1960	140		2.50			0.015	1.30	3																									
26	18.93			7.2	7.1				7.0		428.0	4.0					456.0	6.0		3090					2310	1810	140		1.67			0.015	0.67	4																									
27	42.15			7.2	7.1				7.0		492.0	14.0					287.0	17.0		3060					2110	1650	140					0.015	2.40	14																									
28	90.74			7.0	7.0				6.7		596.0	11.0					418.0	12.0		2680					1140	880	110					0.015	1.50	500																									
29	86.63			7.2	7.0				6.9		324.0	5.0					248.0	8.0		5690					890	680	50					0.015	1.80	8																									
30	41.95			7.2	7.4				7.5		235.0	4.0					311.0	5.0		5420					2380	1740	140					0.015	1.30	78																									
31	28.16			7.3	7.2				7.0		310.0	4.0					342.0	3.0		5220					3640	2700	140					0.015	1.00	4																									
Total	984.4	0	0																	0.0																																							
Avg.	31.76			7.2	7.2				6.9		408.8	5.4								348.1					4103.33		2442.00	1877.67	129.33		1.67	4.18	0.015	2.18	7																								
Total Number of Sewer Connections:										36173										Industrial Waste Population Equivalent										Operator																													
Residential Connections:										34248																																																	
Commercial Connections:										1907										199692										439607										412785										Cert. #									
Industrial Connections:										18										Flow										BOD										TSS																			
Sewer Connections X 3 =										102744																														Phone #																			



Report Selections: Period: 10/01/2015 00:00 thru 10/31/2015 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	2452992		10/27/2015	DAVIS	TELLMAN	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	10/29/15 12:30 PM	

Discharge Reporting:

Discharge Amount:	49,200 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD TO CLEAN AND SANITIZE AFFECTED AREA
Control Zone:	SIGNS
Impact:	SEWAGE, DISCOLORATION
Repair:	AREA INCLUDED IN IOAP
Public Notification:	TEMP SIGNS AND DOOR CARDS

Notifications:

10/24/15 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
10/24/15 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: 1

Total Work Orders Printed: 1