



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

October 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, September 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 September 2015.

There were no exceedences, overflow or bypass reports for the month of September for the Derek Guthrie WQTC.

Also included is the third 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 "John Kessel", written in a cursive style.

John Kessel
Process Supervisor, West Region

JMK/West County 09/15
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_Cover.pdf	pdf	49159
DRG_MOR_092015.xlsx	xlsx	45436

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User:	kevin.ries@louisvillemsd.org	Date/Time:	2015-10-19 12:32 (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 09/01/15 to 09/30/15	DMR Due Date:	10/28/15	Status:	NetDMR Validated
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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	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

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Edit Check Errors

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Comments

Attachments

No attachments.

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User:	kevin.ries@louisvillemsd.org	Date/Time:	2015-10-19 12:32 (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-Y BIOMONITORING/METALS/QUARTERLY	

Report Dates & Status

Monitoring Period: From 07/01/15 to 09/30/15	DMR Due Date: 10/28/15	Status: NetDMR Validated
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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	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						=	210		=	210	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.035		<	0.035	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						<	0.001		<	0.001	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS		
					Permit Req.																
					Value NODI																
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.004		<	0.004	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																

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Edit Check Errors

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Comments

Attachments

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Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User: kevin.ries@louisvillemsd.org

Date/Time: 2015-10-19 12:32 (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: September 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	Return		WAS	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
																					Million Gall/Day	MLSS mg/L X 1000															
1	19.15			7.1	7.6				7.0		612		4		310		5		2980						1710	1250	70.0	0.04			7.85		0.02	1.60	2		
2	18.84			7.3	7.3				6.0		388		5		227		6		2930						1890	1420	80.0	0.04					0.02	3.80	2		
3	18.20			7.4	7.4				7.0		388		4		294		7		3230						1880	1360	80.0	0.04		5.10	0.02	3.70	2				
4	18.22			7.3	7.2				7.0		284		10		433		9		3150						2060	1490	80.0	0.04			0.02	2.80	2				
5	19.02			7.4	7.5				7.0		375		11		350		7		2980						2470	1790	140.0	0.06			0.02	3.90	2				
6	17.20			7.5	7.3				7.0		365		6		284		6		3510						2720	1940	100.0	0.04			0.02	3.50	2				
7	18.89			7.2	7.4				7.0		440		6		228		8		3110						1970	1420	100.0	0.05			0.02	4.00	2				
8	18.15			7.3	7.4				7.0		400		3		264		5		2560						1870	1370	80.0	0.04		3.97	0.02	3.20	2		211		
9	22.08			7.3	7.3				7.0		212		3		234		4		3070						1810	1340	90.0	0.05		3.50	0.02	2.80	2	0.004			
10	29.19			7.2	7.3				7.0		188		12		241		10		3650						1790	1310	70.0	0.04			0.02	2.60	3				
11	21.64			7.4	7.2				7.0		380		8		295		6		3310						2050	1520	100.0	0.05			0.02	1.30	12				
12	22.54			7.5	7.7				7.0		345		10		226		7		3300						2470	1770	100.0	0.04			0.02	2.10	2				
13	22.89			7.6	7.7				7.0		392		8		350		9		3300						2080	1520	100.0	0.05			0.02	2.90	2				
14	19.55			7.4	7.3				7.0		404		5		277		8		3620						2130	1570	80.0	0.04			0.02	2.80	2				
15	18.76			7.4	7.2				7.2		380		5		221		10		2890						2220	1610	100.0	0.05		1.03	0.02	2.10	4				
16	18.07			7.4	7.4				7.1		296		6		227		9		2840						1610	1170	70.0	0.04		4.10	0.02	2.70	10				
17	21.14			7.3	7.4				7.2		676		9		399		12		3210						2040	1500	90.0	0.04			0.02	3.60	3				
18	25.03			7.4	7.5				7.2		330		8		206		8		4050						1750	1280	80.0	0.05			0.02	5.70	11				
19	18.38			7.5	7.5				7.1		345		6		266		8		3540						2110	1550	110.0	0.05			0.02	3.10	4				
20	17.88			7.4	7.4				7.2		268		7		248		16		3470						2080	1550	100.0	0.05			0.02	3.10	2				
21	17.40			7.4	7.3				7.0		252		8		164		11		2590						1980	1500	80.0	0.04			0.02	3.00	5				
22	17.55			7.6	7.5				7.0		396		9		138		10		3020						1820	1370	80.0	0.04		2.17	0.02	2.50	2				
23	17.92			7.5	7.3				7.0		164		8		133		10		3090						2110	1560	70.0	0.03		4.70	0.02	2.60	4				
24	17.27			7.6	7.4				7.0		236		8		170		11		3030						2220	1720	80.0	0.04			0.02	2.40	2				
25	17.38			7.7	7.4				7.0		224		9		176		10		3150						2700	2000	80.0	0.03			0.02	2.30	6				
26	18.08			7.5	7.6				7.0		208		10		188		8		3510						2380	1770	90.0	0.04			0.02	3.60	4				
27	18.17			7.2	7.2				7.0		544		7		250		10		3270						2390	1780	100.0	0.04		5.20	0.02	3.40	2				
28	17.70			7.1	7.2				7.0		456		6		222		7		3310						2510	1900	100.0	0.04			0.02	2.80	2				
29	29.73			7.3	7.4				6.0		568		20		371		18		3290						2510	1910	90.0	0.04		2.11	0.02	4.90	2				
30	45.21			7.3	7.5				7.0		284		9		212		11		4580						2340	1740	100.0	0.04			0.02	2.80	7				
Total	621.20	0	0																0.0		0.0																
Avg.	20.71			7.4	7.4				7.0		360		8		253		9		3251.3							2122	1566.00	89.67	0		3.43	4.52	0.02	3.05	3	0.004	211

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator S. Patterson
 Residential Connections: _____
 Commercial Connections: _____ 197206 _____ 257482 _____ 296046 _____ Cert. # #5879
 Industrial Connections: _____ Flow BOD TSS
 Sewer Connections X 4 = 0 Phone # 502-540-6042