



700 West Liberty Street | Louisville, KY 40203-1911
Phone: 502.540.6000 | LouisvilleMSD.org

July 18, 2016

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

Dear Ms. Cheryl Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Derek Guthrie WQTC, KPDES No: KY0078956

There were no exceedences or bypass reports for the month of June 2016 for the Derek Guthrie WQTC.

Also included is the 2nd qtr. bio monitoring report.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6031.

Sincerely,

John Kessel
Process Supervisor, West Region

JMK/West County 06/16
Enclosures

cc: C. Roth
T. Singleton
R. Shaw

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
WCMOR062016.xls	xls	132608
DRG_cover_062016.pdf	pdf	80511
2016_06_Overflow_Report.pdf	pdf	96631

Report Last Saved By

Derek R Guthrie WQTC MSD

User: kevin.ries@louisvillemsd.org | Date/Time: 2016-07-21 12:16 (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:	700 W Liberty St Louisville, KY 40203			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 06/01/16 to 06/30/16			DMR Due Date:	07/28/16			Status:	NetDMR Validated													
Considerations for Form Completion																						
Principal Executive Officer																						
First Name:	James A.			Title:	Exec Director			Telephone:	502-540-6774													
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	--									<	0.01		<	0.01	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																						
No errors.																						
Comments																						
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No attachments.																						
Report Last Saved By																						
Derek R Guthrie WQTC MSD																						
User:	kevin.ries@louisvillemsd.org						Date/Time:	2016-07-21 12:16 (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: 700 W Liberty St Louisville, KY 40203	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 04/01/16 to 06/30/16	DMR Due Date: 07/28/16	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						=	235		=	235	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	G2 - GRAB-2		
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.027		<	0.027	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	G2 - GRAB-2		
					Value NODI															
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.0002		<	0.0002	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	G2 - GRAB-2		
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.01		<	0.01	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	G2 - GRAB-2		
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.004		<	0.004	19 - mg/L	01/90 - Quarterly	CP - COMPOS		
					Permit Req.												01/90 - Quarterly	G2 - GRAB-2		
					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	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: 2016-07-21 12:17 (Time Zone: -04:00)

Name: Kevin Ries

E-Mail: kevin.ries@louisvillemsd.org

Name of Sewage Treatment Plant: West County WTP County Jefferson Month of: June 2016
 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 Gall/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	
																																				Return
1	22.75			7.0	7.1			7.0		388		5				266		7								2320	1810	160.0	0.07				0.01	1.00	2	
2	24.86			7.0	7.1			7.0		258		4				180		7								2760	2130	170.0	0.06				0.01	0.90	2	
3	26.29			7.1	7.1			7.0		264		3				204		4								2930	2230	170.0	0.06				0.01	0.59	2	
4	24.72			7.3	7.0			7.0		255		5				202		4								2560	1900	170.0	0.07				0.01	0.73	30	
5	24.96			7.0	7.1			7.0		262		3				216		4								2660	2080	170.0	0.06				0.01	1.00	5	
6	23.39			7.2	7.1			7.0		262		3				211		6								2680	2070	170.0	0.06	1.37			0.01	0.45	4	
7	22.59			7.2	7.3			6.0		334		5				240		15								2570	2010	160.0	0.06		2.60		0.01	0.90	11	
8	21.01			7.3	7.2			6.0		274		5				253		6								3900	3020	160.0	0.04				0.01	0.73	2	
9	23.08			7.2	7.4			6.0		276		4				208		5								2650	2040	170.0	0.06				0.01	0.95	2	
10	20.63			7.2	7.2			6.0		352		4				235		5								2690	2080	150.0	0.06				0.01	0.89	2	
11	19.80			7.6	7.4			6.0		324		3				224		5								2370	1830	160.0	0.07				0.01	0.59	2	
12	23.79			7.3	7.0			6.0		324		3				183		5								3400	2010	1520	0.09				0.01	1.40	2	
13	26.58			7.5	7.0			6.0		224		4				146		6								3860	2970	180.0	0.05				0.01	0.67	2	
14	35.32			7.2	7.0			6.0		440		8				220		12								2010	1520	190.0	0.09	0.95			0.01	2.00	10	
15	63.55			7.2	6.9			6.9		186		4				116		9								2750	2100	140.0	0.05		2.70		0.01	0.67	3	
16	34.88			7.3	7.2			7.5		126		3				80		3								2910	2210	180.0	0.06				0.01	0.56	7	
17	28.70			7.3	7.3			7.0		196		5				125		5								2730	1980	160.0	0.06				0.01	0.63	14	
18	25.33			7.2	7.7			7.4		256		4				160		4								2560	1750	155.0	0.06				0.01	0.95	7	
19	23.35			7.2	7.1			7.4		286		4				164		4								2850	2140	160.0	0.06				0.01	0.95	6	
20	22.59			7.1	7.3			7.0		290		3				185		5								3150	2280	150.0	0.05	2.49			0.01	0.90	5	
21	20.92			7.1	7.3			7.0		228		4				176		4								3080	2200	160.0	0.05				0.01	0.56	2	
22	21.54			7.2	7.3			6.0		224		3				166		4								2640	1940	160.0	0.06		1.80		0.01	0.45	2	
23	35.29			7.2	7.2			7.0		356		10				159		6								2880	2120	160.0	0.06				0.01	1.50	16	
24	90.58			7.0	7.2			6.0		165		10				79		12								1750	1110	50.0	0.03				0.01	1.20	2	
25	53.82			7.2	7.3			7.0		190		4				140		6								2370	1520	110.0	0.05				0.01	2.10	3	
26	35.78			7.2	7.4			7.0		188		3				3		2								2260	1520	110.0	0.05				0.01	1.40	2	
27	27.62			7.3	7.0			6.0		256		3				188		6								1730	1160	100.0	0.06		2.30		0.01	0.56	3	
28	24.11			7.2	6.6			6.0		1540		6				728		6								2130	1470	90.0	0.04	1.04			0.01	1.70	2	
29	22.73			7.1	7.2			6.0		304		3				222		3								3480	2290	170.0	0.05				0.01	0.36	2	
30	26.89			7.2	7.2			6.0		364		6				237		6								3340	2170	150.0	0.04				0.01	0.20	4	
31																																				
Total	879.32	0	0															0.0																		
Avg.	29.91			7.2	7.2			6.6		313		4				197		6								4737.0	2686	1972.33	152.50	0.06		1.46	2.35	0.01	0.92	4

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator Deb Hathaway
 Residential Connections: _____
 Commercial Connections: _____ 284899 289404 371932 Cert. # #16354
 Industrial Connections: _____ Flow BOD TSS
 Sewer Connections X 4 = 0 Phone # 502-540-6042



Report Selections: Period: 06/01/2016 00:00 thru 06/30/2016 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	81440	423 ECHAPPE LN		BEE LICK CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2575247		06/24/2016	GRAY JR	OPS BSHIFT CENTRAL	REPAIRED - ISSUE RESOLVED	07/20/2009	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	06/24/16 03:00 AM	

Discharge Reporting:

Discharge Amount:	55 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	NO DEBRIS
Control Zone:	CONTAINED INSIDE MSD FENCE
Impact:	NO IMPACT OBSERVED
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
Public Notification:	CONTAINED INSIDE MSD FENCE- NO PUBLIC NOTIFICATION

Notifications:

6/3/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
6/3/16 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