



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

April 18, 2017

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

**Re: Derek Guthrie Water Quality Treatment Center
KPDES Permit No. KY0078956,
Discharge monitoring report for March 2017.**

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, for the month of March 2017.

There were no exceedances or bypass reports for the Derek Guthrie WQTC.

Also attached are the 1st quarter Biomonitoring DMR and an overflow report.

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

Kevin Thompson
Process Supervisor, West Region

KLT/West County 03/17
Enclosures

cc: C. Roth
V. Graves
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
201703DRGWQTCOverflowReport.pdf	pdf	97821
201703_DRG_MOR.pdf	pdf	118314
201703_DRG_coverletter.pdf	pdf	163419

Report Last Saved By

Derek R Guthrie WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2017-04-18 13:46 (Time Zone: -04:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@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 03/01/17 to 03/31/17			DMR Due Date:	04/28/17				Status:	NetDMR Validated									
Considerations for Form Completion																			
Principal Executive Officer																			
First Name:	James A.			Title:	Executive 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
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--								<	0.005		<	0.005	19 - mg/L	02/30 - Twice Per Month	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																			
Attachments																			
No attachments.																			
Report Last Saved By																			
Derek R Guthrie WQTC MSD																			
User:	kevin.thompson@louisvillemtd.org			Date/Time:	2017-04-18 13:46 (Time Zone: -04:00)														
Name:	Kevin Thompson																		
E-Mail:	kevin.thompson@louisvillemtd.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 01/01/17 to 03/31/17	DMR Due Date: 04/28/17	Status: NetDMR Validated
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Considerations for Form Completion

Principal Executive Officer

First Name: James A.	Title: Executive 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						=	239		=	239	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												0	01/90 - Quarterly	G2 - GRAB-2		
					Value NODI																
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.043		=	0.043	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												0	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.												0	01/90 - Quarterly	G2 - GRAB-2		
					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.												0	01/90 - Quarterly	G2 - GRAB-2		
					Value NODI																
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.006		=	0.006	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												0	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	0	01/90 - Quarterly	G2 - GRAB-2
					Value NODI																

Submission Note

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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.thompson@louisvillemsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemsd.org

Date/Time: 2017-04-18 13:47 (Time Zone: -04:00)

Name of Sewage Treatment Plant: West County WTP County: Jefferson Month of: March 2017
 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						Digested			Final Coliform /100			
		Removed (cu. ft.)	Percent (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	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000 #1 & #2	MLVSS (mg/L) X 1000 #1 & #2	30 min. SVI	60 min. SVI	% Solids Suspended	TKN (mg/L)	Chlorine Residual (mg/L)		NH3-N (mg/L)		
1	119.82			7.0	7.3				8.0				440.0		11.0		228.0		16.0					1540	1230	100						0.016	2.70	43	
2	103.65			7.3	7.2				7.0				85.0		6.0		86.0		12.0					6750			2180	1640	140			0.016	2.50	93	
3	71.20			7.3	7.1				8.0				150.0		6.0		152.0		13.0					6850			2190	1630	150			0.016	3.40	49	
4	58.71			7.3	7.1				8.0				90.0		6.0		108.0		15.0					6510			2600	1970	170			0.016	4.10	30	
5	52.85			7.4	7.2				8.0				127.0		6.0		104.0		5.0					6460			2460	1890	150			0.016	4.80	15	
6	46.50			7.4	7.0				8.0				184.0		5.0		136.0		10.0					6330			2330	1820	170			0.016	5.00	12	
7	58.67			7.3	7.3				8.0				205.0		7.0		175.0		17.0					5920			2270	1800	170	1.05	6.50	0.016	4.40	2	
8	40.25			7.4	7.6				8.0				264.0		4.0		225.0		11.0					5400			2770	2160	175			0.016	2.70	5	
9	29.93			7.3	7.3				8.0				189.0		4.0		212.0		6.0					5020			2730	2140	170			0.016	2.00	1	
10	28.57			7.3	7.2				8.0				670.0		4.0		463.0		8.0					4790			3100	2190	170			0.016	2.90	9	
11	24.93			7.2	7.1				8.0				755.0		5.0		423.0		6.0					4400			2570	1940	170			0.016	3.40	2	
12	23.78			7.2	7.0				8.0				247.0		6.0		222.0		6.0					4330			2390	1840	150			0.016	3.40	2	
13	23.84			7.2	7.4				8.0				187.0		4.0		195.0		6.0					4160			2230	1690	170			0.016	2.90	2	
14	23.02			7.3	7.0				8.0				227.0		5.0		250.0		6.0					3900			2300	1810	150	1.40	4.60	0.016	3.40	1	
15	22.21			7.4	7.3				8.0				305.0		5.0		262.0		7.0					4080			2300	1780	150			0.016	3.70	1	
16	22.85			7.4	7.4				8.0				296.0		6.0		268.0		8.0					4010			2410	1900	150			0.016	5.10	6	
17	21.96			7.3	7.1				8.0				210.0		6.0		286.0		11.0					3930			1980	1600	130			0.016	5.30	2	
18	21.45			6.7	6.9				8.0				325.0		7.0		344.0		10.0					3000			1880	1520	130			0.016	5.30	7	
19	20.91			7.1	7.1				8.0				576.0		7.0		426.0		11.0					3500			2000	1600	130			0.016	6.90	2	
20	23.88			7.2	7.3				8.0				276.0		10.0		310.0		16.0					3160			1560	1280	130			0.016	7.00	1	
21	35.34			7.2	7.6				7.0				276.0		12.0		230.0		26.0					4780			1710.00	1380	100	1.63	11.80	0.016	9.40	7	
22	26.93			7.2	7.2				7.0				382.0		19.0		270.0		9.0					4630			1440	1170	100			0.016	8.40	10	
23	19.08			7.4	7.6				8.0				272.0		5.0		239.0		9.0					3390			1800.00	1400	110	0.4		0.016	6.70	1	
24	19.58			7.2	7.5				8.0				365.0		7.0		302.0		14.0					3400			1760	1420	140			0.016	7.60	5	
25	20.11			7.3	7.3				8.0				415.0		7.0		364.0		11.0					3950			1740	1400	120			0.016	6.90	3	
26	32.92			7.0	7.4				7.0				312.0		10.0		239.0		16.0					3990			1760	1370	120			0.016	6.90	175	
27	31.23			7.1	7.0				8.0				237.0		9.0		217.0		17.0					3650			1840	1500	130			0.016	4.40	4	
28	64.91			7.2	7.1				8.0				384.0		8.0		250.0		15.0					5400			1760	1410	120	0.98	5.90	0.016	4.20	45	
29	35.19			7.2	7.6				7.0				228.0		6.0		250.0		11.0					3660			1920	1530	100			0.016	3.40	29	
30	25.77			7.4	7.5				7.0				346.0		6.0		213.0		8.0					3920			2430	1960	150			0.016	2.80	9	
31	38.82			7.3	7.3				7.0				345.0		8.0		285.0		9.0					4630			2050	1650	110			0.016	3.50	31	
Total	1188.9	0	0																				0.0		0.0										
Avg.	38.35			7.2	7.3				7.8				302.3		7.0		249.5		11.1				4635.16			2129.03	1665.16	139.52	0.42	1.26	7.20	0.016	4.68	7	

Total Number of Sewer Connections: 36173 Industrial Waste Population Equivalent _____ Operator: Deb Hathaway
 Residential Connections: 34248 _____
 Commercial Connections: 1907 _____ 262501 _____ 366645 _____ 357616 _____ Cert. #: 16354
 Industrial Connections: 18 _____ Flow _____ BOD _____ TSS _____
 Sewer Connections X 3 = 102744 _____ Phone #: 502-540-6000



Report Selections: Period: 03/01/2017 00:00 thru 03/31/2017 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	60679	9114 CINDERELLA LN		FISHPOOL CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2691028		03/01/2017	ROTTET JR	MUDD	DOCUMENTED	12/15/2007	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	03/01/17 01:45 PM	

Discharge Reporting:

Discharge Amount:	500 GAL
Cause:	LACK OF CAPACITY DUE TO RAIN
Clean Up:	MSD CLEANED AND SANITIZED AREA
Control Zone:	TEMPORARY SIGNS PUT UP AROUND DISCHARGE AREA
Impact:	SEWAGE
Repair:	N/A STATION RECOVERED ON ITS OWN AS FLOW DROPPED
Public Notification:	TEMPORARY SIGNS

Notifications:

2/25/17 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV; CHARLIE.ROTH@KY.GOV'
2/25/17 1:00 am	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV; CHARLIE.ROTH@KY.GOV'

Total Facilities Printed: 1

Total Work Orders Printed: 1