



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

April 15, 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 exceedence or bypass reports for the month of March 2016 for the Derek Guthrie WQTC.

Also included are the 1<sup>st</sup> qtr. Bio Monitoring report and the monthly overflow reports.

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 03/16  
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
Mar2016_03_DRGWQTC_OverflowReport.pdf	pdf	101988
DRG_Cover_032016.pdf	pdf	125819
DRG_MOR_032016.XLS	xls	126464

**Report Last Saved By**

**DEREK R GUTHRIE WQTC MSD**

User: kevin.ries@louisvillemsd.org

Date/Time: 2016-04-18 12:38 (Time Zone: -04:00)

Name: Kevin Ries

E-Mail: kevin.ries@louisvillemsd.org

**DMR Copy of Record**

<b>Permit</b>																		
Permit #: <b>KY0078956</b>		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: <b>001-R</b> REASONABLE POTENTIAL																
<b>Report Dates &amp; Status</b>																		
Monitoring Period: <b>From 03/01/16 to 03/31/16</b>				DMR Due Date: <b>04/28/16</b>				Status: <b>NetDMR Validated</b>										
<b>Considerations for Form Completion</b>																		
<b>Principal Executive Officer</b>																		
First Name: James A.				Title: Exec Director				Telephone: 502-540-6000										
Last Name: Parrott																		
<b>No Data Indicator (NODI)</b>																		
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			
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--							<	0.003	<	0.003	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
<b>Submission Note</b>																		
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.																		
<b>Edit Check Errors</b>																		
No errors.																		
<b>Comments</b>																		
<b>Attachments</b>																		
No attachments.																		
<b>Report Last Saved By</b>																		
<b>DEREK R GUTHRIE WQTC MSD</b>																		
User: kevin.ries@louisvillemsd.org				Date/Time: 2016-04-18 12:38 (Time Zone: -04:00)														
Name: Kevin Ries																		
E-Mail: kevin.ries@louisvillemsd.org																		

**DMR Copy of Record**

**Permit**

<b>Permit #:</b> KY0078956	<b>Permittee:</b> DEREK R GUTHRIE WQTC MSD	<b>Facility:</b> DEREK R GUTHRIE WQTC MSD
<b>Major:</b> Yes	<b>Permittee Address:</b> 11621 LOWER RIVER RD LOUISVILLE, KY 40272	<b>Facility Location:</b> 11621 LOWER RIVER RD LOUISVILLE, KY 40272
<b>Permitted Feature:</b> 001 External Outfall	<b>Discharge:</b> 001-Y BIOMONITORING/METALS/QUARTERLY	

**Report Dates & Status**

<b>Monitoring Period:</b> From 01/01/16 to 03/31/16	<b>DMR Due Date:</b> 04/28/16	<b>Status:</b> NetDMR Validated
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**Considerations for Form Completion**

**Principal Executive Officer**

<b>First Name:</b> James A.	<b>Title:</b> Exec Director	<b>Telephone:</b> 502-540-6000
<b>Last Name:</b> 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						=	246		=	246	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						<	0.031		<	0.031	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						<	0.0001		<	0.0001	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						<	0.003		<	0.003	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.												0	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

<b>User:</b> kessel@louisvillemsd.org	<b>Date/Time:</b> 2016-04-18 12:51 (Time Zone: -04:00)
<b>Name:</b> John Kessel	
<b>E-Mail:</b> kessel@louisvillemsd.org	

Name of Sewage Treatment Plant: West County WTP Jefferson County Month of: March 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 Gal/Day	MLSS mg/L X 1000	Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	MLSS (mg/L) X1000 #1&#2	MLVSS (mg/L) X1000 #1&#2	30 min. SettS.	SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Facal Coliform Col./100ml		
																																				Return	WAS
1	52.08			7.4	7.2					8.0			120			7			76		6	6200					3360	2560	320.0	0.10		0.85			3.00	10	
2	56.67			7.1	7.0					8.3			106			3			106		3	6520					2720	2080	230.0	0.08			3.40	0.01	2.40	19	
3	41.39			7.3	7.1					8.0			220			7			125		7	5600					3460	2620	300.0	0.09				0.01	3.20	2	
4	42.97			7.3	7.2					8.2			168			5			160		7	6520					2790	2170	240.0	0.09				0.01	2.50	7	
5	28.59			7.4	7.4					8.2			178			5			151		7	5310					3620	2740	280.0	0.08				0.01	1.90	6	
6	27.52			7.3	7.3					8.2			148			3			130		5	4930					2990	2260	260.0	0.09				0.01	2.00	3	
7	32.86			7.3	7.1					8.0			188			6			143		6	4820					3260	2510	270.0	0.08				0.01	2.40	5	
8	44.33			7.3	7.1					8.0			158			5			101		6	5300					2600	2030	240.0	0.09	1.63			0.01	4.00	7	
9	32.12			7.2	7.0					8.0			180			5			159		6	5120					3280	2540	280.0	0.09			4.20	0.01	2.60	2	
10	61.04			8.4	7.2					8.0			248			5			170		6	5700					3580	2770	280.0	0.08				0.01	2.30	4	
11	115.10			7.3	7.0					7.0			170			7			124		13	6700					1970	1520	150.0	0.08				0.01	2.00	14	
12	64.28			7.3	7.4					8.0			135			5			87		9	5930					3030	2320	240.0	0.08				0.01	1.40	2	
13	102.53			7.1	7.3					8.0			72			3			40		4	7540					1860	1400	150.0	0.08				0.01	1.80	6	
14	107.62			7.3	7.1					7.0			122			3			94		6	6840					2200	1670	190.0	0.09				0.01	2.50	20	
15	79.38			7.3	7.2					7.0			100			4			74		6	7300					2900	2220	240.0	0.08	0.55			0.01	2.20	2	
16	54.07			7.4	7.1					8.0			206			3			131		2	7760					5390	4090	240.0	0.04			2.10	0.01	1.50	2	
17	41.00			7.2	7.3					8.0			158			3			94		3	6380					3870	2920	340.0	0.09				0.01	1.40	2	
18	31.85			7.2	7.2					8.0			145			4			121		6	6320					3710	2790	300.0	0.08				0.01	0.67	7	
19	32.56			7.6	7.2					8.0			202			4			171		8	5620					3530	2640	320.0	0.09				0.01	2.00	18	
20	26.55			7.8	7.1					8.0			190			3			94		4	5300					3670	2730	320.0	0.09				0.01	1.30	9	
21	24.94			7.3	7.2					8.0			168			4			116		5	5440					3400	2550	320.0	0.09				0.01	0.64	6	
22	37.54			7.3	7.4					8.0			174			6			97		6	5040					3220	2420	290.0	0.09	2.57			0.01	2.50	22	
23	37.98			7.4	7.2					8.0			210			3			138		10	5170					3270	2500	220.0	0.07			4.80	0.01	3.80	16	
24	30.54			7.2	7.3					7.0			204			5			130		9	4940					3650	2830	280.0	0.08				0.01	1.70	10	
25	37.30			7.2	6.9					8.0			140			4			142		8	5670					2600	1960	200.0	0.08				0.01	1.10	4	
26	25.97			7.2	7.1					8.0			165			3			165		6	4840					2760	2090	280.0	0.10				0.01	1.30	7	
27	42.25			7.2	7.2					8.0			194			4			147		5	5390					2580	1980	230.0	0.09				0.01	3.10	6	
28	68.10			7.2	7.0					7.0			134			4			92		9	5910					2870	2220	200.0	0.07				0.01	3.10	11	
29	36.00			7.2	7.0					7.0			146			3			117		6	6560					3180	2460	230.0	0.07	0.89			0.01	0.78	20	
30	25.76			7.3	7.1					8.0			168			3			123		3	8490					4450	3410	290.0	0.07			1.60	0.01	0.45	2	
31	71.30			7.3	7.0					8.0			104		<MDL				65		7	5240					3270	2540	270.0	0.08				0.01	2.20	7	
Total	1512.18	0	0																		0.0		0.0														
Avg.	48.78			7.3	7.2					7.8			162			4			119		6	5948.4					3195	2436.77	258.06	0	1.30	3.22	0.01	2.06		6	

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent \_\_\_\_\_ Operator C. Langford  
 Residential Connections: \_\_\_\_\_  
 Commercial Connections: \_\_\_\_\_ 464571 284314 313774 Cert. # 18751  
 Industrial Connections: \_\_\_\_\_ Flow BOD TSS  
 Sewer Connections X 4 = 0 Phone # 502-540-6042

Report Selections: Period: 03/01/2016 00:00 thru 03/31/2016 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	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	2521059		03/10/2016	TELLMAN	TELLMAN	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/11/16 06:30 AM	

**Discharge Reporting:**

Discharge Amount:	21,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	MSD TO CLEAN AND SANITIZE AFFECTED AREA
Control Zone:	CAUTION TAPE, TEMPORARY SIGNS
Impact:	SEWAGE OBSERVED AROUND MANHOLE
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
Public Notification:	DOOR HANGERS

**Notifications:**

2/25/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
2/25/16 1:00 am	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'

Report Selections: Period: 03/01/2016 00:00 thru 03/31/2016 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 (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	2521549		3/12/2016 11:55:00PM	TELLMAN	TELLMAN	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/14/16 07:30 AM	

**Discharge Reporting:**

Discharge Amount:	47,375 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	CAUTION TAPE, TEMPORARY SIGNS
Impact:	SEWAGE
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
Public Notification:	DOOR HANGERS

**Notifications:**

3/11/16 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
3/11/16 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: 03/01/2016 00:00 thru 03/31/2016 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	60679	9114 CINDERELLA LN		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	2521072		03/10/2016	BRAZEL	FIELDS	DOCUMENTED	12/15/2007	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/10/16 10:08 PM	

**Discharge Reporting:**

Discharge Amount:	1,010 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	SEWAGE OBSERVED
Repair:	A SOLUTION FOR THIS LOCATION CAN BE LOCATED IN THE IOAP
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

**Notifications:**

2/25/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
2/25/16 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: 2

Total Work Orders Printed: 3