



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

December 16, 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 November 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 November 2017.

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

Also attached is 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 11/17
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
201711_DRG_COVERLETTER.pdf	pdf	34682
201711_DRG_MOR.pdf	pdf	70157
201711DRGWQTCOverflowReport.pdf	pdf	97513

Report Last Saved By**Derek R Guthrie WQTC MSD**

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemmsd.org
Date/Time: 2017-12-18 09:07 (Time Zone: -05:00)

Report Last Signed By

User: kevin.thompson@louisvillemmsd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemmsd.org
Date/Time: 2017-12-18 13:19 (Time Zone: -05:00)

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 11/01/17 to 11/30/17			DMR Due Date:	12/28/17			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	Units				
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--								<	0.005		<	0.005	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:	WRIGHTDUANE																				
Name:	Duane Wright																				
E-Mail:	duane.wright@louisvillemd.org																				
Date/Time:	2017-12-18 09:07 (Time Zone: -05:00)																				
Report Last Signed By																					
User:	kevin.thompson@louisvillemd.org																				
Name:	Kevin Thompson																				
E-Mail:	kevin.thompson@louisvillemd.org																				
Date/Time:	2017-12-18 13:20 (Time Zone: -05:00)																				

Name of Sewage Treatment Plant: West County WTP County: Jefferson Month of: November 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						
		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	Gal/Day	MLSS mg/L X 1000	WAS	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. SVI	60 min. SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Coliform Col/100cm	Hexavalent Chromium	Hardness
1	26.53			7.0	7.5			7.0		364.0		5.0		259.0		5.0		259.0		5.0	2340	4210				2340	1730	120					0.016	0.62	3			
2	26.16			7.2	7.3			7.0		588.0		8.0		256.0		10.0		256.0		10.0	4070					2510	1920	110					0.016	0.40	1			
3	68.57			7.3	7.5			7.0		370.0		16.0		244.0		21.0		244.0		21.0	4550					2400	1790	160					0.016	2.70	58			
4	64.40			7.3	5.8			7.0		140.0		11.0		134.0		14.0		134.0		14.0	6750					2650	1990	100					0.016	1.50	51			
5	53.21			7.3	7.0			7.0		328.0		9.0		246.0		14.0		246.0		14.0	5540					2210	1650	110					0.016	2.20	4			
6	40.27			7.4	7.5			7.0		286.0		9.0		267.0		20.0		267.0		20.0	4930					2210	1690	100					0.016	0.56	8			
7	41.38			7.3	6.5			7.0		302.0		10.0		305.0		19.0		305.0		19.0	6300					2170	1680	105	1.38	3.10	0.016	1.20	112		218			
8	32.75			7.4	6.6			7.0		278.0		10.0		214.0		14.0		214.0		14.0	4470					2330	1730	120					0.016	1.40	13	0.005		
9	27.29			7.4	6.9			7.0		420.0		6.0		207.0		9.0		207.0		9.0	4090					2260	1660	110					0.016	1.70	11			
10	24.75			7.4	6.6			7.0		250.0		11.0		170.0		8.0		170.0		8.0	4000					2290	1720	110					0.016	1.50	7			
11	23.56			7.3	7.0			7.0		192.0		8.0		278.0		10.0		278.0		10.0	3870					2530	1920	120					0.016	1.30	21			
12	25.37			7.3	6.7			7.0		238.0		8.0		389.0		14.0		389.0		14.0	3780					2440	1800	120					0.016	2.50	11			
13	23.03			7.4	7.2			7.0		356.0		6.0		282.0		10.0		282.0		10.0	4350					2120	1610	100					0.016	2.00	1			
14	21.48			7.0	7.1			6.0		320.0		6.0		220.0		11.0		220.0		11.0	3810					2090	1560	100	1.84	3.80	0.016	2.00	2					
15	32.71			7.5	7.0			6.0		286.0		7.0		251.0		3.0		251.0		3.0	4100					2090	1580	110					0.016	4.60	7			
16	32.84			7.2	7.2			7.0		364.0		9.0		214.0		11.0		214.0		11.0	4450					1970	1540	100					0.016	4.10	1			
17	22.97			7.3	7.3			7.0		315.0		8.0		208.0		13.0		208.0		13.0	4240					2100	1580	110					0.016	2.20	3			
18	27.68			7.2	7.3			7.0		136.0		14.0		260.0		15.0		260.0		15.0	4200					2290	1730	120					0.016	3.80	8			
19	28.08			7.2	7.2			7.0		328.0		8.0		252.0		8.0		252.0		8.0	4530					2040	1560	110					0.016	3.00	8			
20	24.75			7.4	7.4			8.0		340.0		6.0		272.0		11.0		272.0		11.0	3870					4610	3470	100					0.016	2.70	7			
21	22.71			7.4	7.2			7.0		308.0		4.0		255.0		8.0		255.0		8.0	4030					2280.00	1750	110	1.08	3.90	0.016	2.40	6					
22	22.51			7.2	7.2			7.0		326.0		7.0		392.0		11.0		392.0		11.0	3920					2020	1520	110					0.016	2.90	3			
23	26.26			7.2	7.2			7.0		310.0		7.0		301.0		10.0		301.0		10.0	4360					2380.00	1810	110					0.016	3.60	2			
24	20.33			7.1	7.2			7.0		300.0		6.0		309.0		10.0		309.0		10.0	3720					2280	1740	140					0.016	3.40	10			
25	20.87			7.3	7.2			7.0		520.0		6.0		419.0		10.0		419.0		10.0	4010					2350	1810	130					0.016	3.70	2			
26	20.41			7.2	7.2			7.0		312.0		5.0		273.0		9.0		273.0		9.0	3830					2530	1930	120					0.016	3.40	1			
27	22.12			7.6	7.1			7.0		368.0		8.0		310.0		14.0		310.0		14.0	3710					2240	1690	135					0.016	4.80	2			
28	20.87			7.3	6.4			7.0		424.0		9.0		282.0		12.0		282.0		12.0	9880					1590	1200	100	2.17	6.90	0.016	5.20	2					
29	19.00			7.2	6.3			7.0		10300.0		7.0		4420.0		16.0		4420.0		16.0	3330					2650	2130	110					0.016	4.90	2			
30	19.30			7.3	7.2			7.0		17500.0		8.0		1700.0		13.0		1700.0		13.0	3800					1780	1440	100					0.016	5.50	1			
31																																						
Total	862.1	0	0																		0.0		0.0															
Avg.	29.40			7.3	7.1			7.0		1229.9		8.1		450.7		11.7		450.7		11.7	4489.33					2325.00	1761.00	113.33			1.62	4.43	0.016	2.71	5	0.005	216	

Total Number of Sewer Connections: 36173 Industrial Waste Population Equivalent
 Residential Connections: 34248
 Commercial Connections: 1907 Flow 547446 BOD 1333512 TSS
 Industrial Connections: 18
 Sewer Connections X 3 = 102744 Operator Deborah Hathaway Cert. # 16354 Phone # 502-640-6000

Report Selections: Period: 11/01/2017 00:00 thru 11/30/2017 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	58082	7504 PRESTON HWY		WET WOODS	CATCH BASIN

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2831396		11/16/2017	DAVIS	SOUTHARD	REPAIRED - ISSUE RESOLVED	11/17/2017	MECHANICAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	11/16/17 03:00 PM	

Discharge Reporting:

Discharge Amount:	50 GAL
Cause:	PUMP AROUND IMPLEMENTATION
Clean Up:	CONTRACTOR TO CLEAN AND SANITIZE AFFECTED AREA
Control Zone:	ADVISED PROPERTY OWNERS
Impact:	SEWAGE
Repair:	CONNECTED PUMP
Public Notification:	SIGNS

Notifications:

11/3/17 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
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Total Facilities Printed: 1

Total Work Orders Printed: 1