



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

June 13, 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 May 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 May 2017.

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

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 05/17
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
201705_DRG_MOR.pdf	pdf	120103
201705_DRG_Coverletter.pdf	pdf	122076

Report Last Saved By

Derek R Guthrie WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2017-06-16 14:01 (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 05/01/17 to 05/31/17	DMR Due Date:	06/28/17	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	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	Qualifier 3	Value 3			
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--		<	0.005	<	0.005	19 - mg/L	0	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

Attachments

No attachments.

Report Last Saved By

Derek R Guthrie WQTC MSD

User:	kevin.thompson@louisvillemtd.org	Date/Time:	2017-06-16 14:01 (Time Zone: -04:00)
Name:	Kevin Thompson		
E-Mail:	kevin.thompson@louisvillemtd.org		

Name of Sewage Treatment Plant: West County WTP County: Jefferson Month of: May 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			
		Remove (cu. ft.)	GS (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 X 1000	Free Oxygen (mg/L)	Total Oxygen (mg/L)	MLSS (mg/L X 1000 #1.	MLVSS (mg/L X 1000 #1.	30 min. SVI	60 min. SVI	% Solids	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Coliform Col./100	Chromium	
1	66.67			7.2	7.3				7.0		356.0		7.0			249.0		10.0			4940					2190	1740	130					0.016	2.80	23	
2	53.25			7.2	7.4				8.0		404.0		6.0			357.0		12.0			4990					1880	1410	120	1.10	4.60	0.016	2.90	4			
3	26.28			7.1	7.4				8.0		324.0		4.0			279.0		7.0			4390					2630	2100	150			0.016	1.00	9			
4	37.23			7.2	7.3				8.0		264.0		6.0			165.0		8.0			3840					2360	1820	150			0.016	1.40	15			
5	129.74			7.1	7.2				6.0		205.0		10.0			130.0		17.0			5930					1390	1070	70			0.016	1.60	50			
6	118.51			7.0	7.1				7.5		185.0		8.0			184.0		14.0			5500					1600	1240	100			0.016	1.70	110			
7	87.03			7.1	7.1				7.5		242.0		5.0			206.0		12.0			5430					1600	1220	110			0.016	2.50	15			
8	67.89			7.2	7.3				7.0		278.0		7.0			219.0		22.0			5790					1970	1540	120			0.016	3.10	21			
9	58.13			7.1	7.4				7.0		400.0		7.0			272.0		21.0			5700					1860	1450	120	1.10	4.70	0.016	3.20	18			
10	52.84			7.3	7.4				7.0		584.0		5.0			420.0		10.0			5480					2160	1700	140			0.016	3.60	19	0.005		
11	54.28			7.3	7.4				7.0		516.0		6.0			281.0		15.0			5590					2430	1890	150			0.016	3.80	11			
12	46.00			7.3	7.4				7.0		235.0		4.0			257.0		8.0			5790					2210	1740	150			0.016	1.30	29			
13	31.04			7.3	7.2				7.0		280.0		5.0			281.0		7.0			4590					2730	2100	170			0.016	1.00	43			
14	27.28			7.4	7.1				7.0		668.0		4.0			63.0		6.0			4750					2380	1870	150			0.016	1.10	14			
15	24.83			7.3	7.3				7.0		570.0		5.0			369.0		13.0			4560					2110	1660	150			0.016	1.40	5			
16	23.60			7.2	7.4				7.0		548.0		4.0			420.0		6.0			4220					2350	1840	140	1.86	2.70	0.016	1.10	1			
17	23.31			7.2	7.4				7.0		580.0		5.0			471.0		9.0			4280					2080	1600	140			0.016	1.20	3			
18	22.30			7.3	7.4				7.0		640.0		4.0			430.0		6.0			3670					2490	1900	130			0.016	1.20	2			
19	21.91			7.3	7.3				7.0		665.0		4.0			417.0		8.0			3600					2270	1820	130			0.016	1.00	34			
20	23.78			7.1	6.9				7.0		980.0		8.0			599.0		9.0			3810					2180	1710	120			0.016	1.30	2			
21	70.62			6.8	6.9				7.0		436.0		12.0			141.0		18.0			6310					1810.00	1410	100			0.016	2.50	27			
22	55.34			7.2	7.2				7.0		238.0		8.0			235.0		10.0			5560					3240	2500	100			0.016	2.60	3			
23	39.17			7.2	7.3				7.0		418.0		6.0			307.0		10.0			4760					1910.00	1000	90	1.58	5.00	0.016	3.60	8			
24	38.40			7.2	7.4				7.0		344.0		12.0			302.0		20.0			4130					2440	1860	110			0.016	4.00	10			
25	80.79			7.2	7.3				7.0		280.0		10.0			233.0		14.0			6370					1840	1440	100			0.016	2.80	14			
26	58.22			7.2	7.1				7.0		365.0		10.0			269.0		11.0			5090					1650	1280	90			0.016	2.80	15			
27	47.93			7.0	7.2				7.0		295.0		8.0			298.0		10.0			4830					1990	1550	110			0.016	3.00	12			
28	45.25			7.0	7.2				7.0		375.0		7.0			280.0		16.0			4650					1930	1510	110			0.016	3.30	17			
29	42.21			7.2	7.1				7.0		328.0		7.0			267.0		10.0			4420					2400	1890	110			0.016	3.90	12			
30	32.77			7.0	7.0				8.0		228.0		7.0			439.0		14.0			4750					2690	2220	90	2.04	4.70	0.016	3.10	12			
31	22.87			7.2	7.2				7.0		616.0		6.0			373.0		9.0			3740					2110	1670	110			0.016	2.40	2			
Total	1529.5	0	0																	0.0		0.0														
Avg.	49.34			7.2	7.2				7.1		414.4		6.7			297.2		11.7			4885.48					2157.42	1669.35	121.29	1.54	4.34	0.016	2.33	11	0.005		

Total Number of Sewer Connections: 36173 Industrial Waste Population Equivalent _____ Operator: Chris S Langford
 Residential Connections: 34248 _____
 Commercial Connections: 1907 _____ Flow: 367140 BOD: 616599 TSS: 709276 Cert. #: #103971
 Industrial Connections: 18 _____
 Sewer Connections X 3 = 102744 Phone #: 502-540-6000