



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

May 18, 2018

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 April 2018.**

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 April 2018.

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 04/18

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
201804-DRG-coverletter.pdf	pdf	70226
201804-drg-m0r.pdf	pdf	72050

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

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemmsd.org
Date/Time: 2018-05-18 13:35 (Time Zone: -04:00)

Report Last Signed By

User: kevin.thompson@louisvillemmsd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemmsd.org
Date/Time: 2018-05-18 14:15 (Time Zone: -04:00)

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 04/01/18 to 04/30/18	DMR Due Date:	05/28/18	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	--								<	0.01		<	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																				
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:	2018-05-18 13:36 (Time Zone: -04:00)																			

Report Last Signed By																				
User:	kevin.thompson@louisvillemd.org																			
Name:	Kevin Thompson																			
E-Mail:	kevin.thompson@louisvillemd.org																			
Date/Time:	2018-05-18 14:16 (Time Zone: -04:00)																			

Name of Sewage Treatment Plant: West County WTP County: Jefferson Month of: April 2018

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					
		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	Gal/Day	MLSS mg/L X 1000	Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	MLSS (mg/L) X1000 #1	MLVSS (mg/L) X1000 #1	30 min. SVI	60 min. SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Fecal Coliform Col./100ml	Hexavalent Chromium
1	80.33			7.1	7.3				7.0		156.0	6.0		114.0	10.0		6550								1900	1340	110					0.016	2.70	10		
2	123.75			7.0	7.0				7.0		104.0	9.0		70.0	18.0		8230								1360	960	80					0.016	2.10	5		
3	94.05			7.2	7.2				7.0		244.0	8.0		136.0	12.0		5970								1720	1220	90		6.00		0.016	3.40	18			
4	106.50			7.3	7.0				7.0		86.0	8.0		64.0	11.0		6460								1850	1320	110			0.55		0.016	3.20	16		
5	78.80			7.2	6.8				7.0		134.0	5.0		102.0	16.0		6850								1810	1300	120				0.016	4.20	11			
6	48.89			7.2	7.2				7.0		200.0	7.0		156.0	10.0		7120								2420	1780	130				0.016	3.60	17			
7	33.64			7.1	7.3				7.0		320.0	7.0		132.0	8.0		5820								5980	4420	170				0.016	3.80	13			
8	34.69			7.0	7.2				7.0		156.0	3.0		133.0	12.0		5460								3260	2380	160				0.016	3.90	5			
9	31.14			7.2	7.0				7.0		220.0	7.0		142.0	11.0		5450								3920	2890	120				0.016	4.90	9			
10	28.86			7.1	7.0				7.0		228.0	6.0		186.0	14.0		5100								2260	1630	140		0.93	6.70	0.016	4.90	3			
11	28.04			7.3	7.0				7.0		164.0	5.0		194.0	9.0		4960								2610	1910	150				0.016	5.40	3	0.005		
12	26.75			7.5	7.2				7.0		408.0	4.0		336.0	11.0		5070								2700	1980	150				0.016	4.50	1			
13	35.11			7.3	7.2				7.0		475.0	6.0		306.0	22.0		5080								2870	2140	150				0.016	5.90	6			
14	34.38			8.1	6.6				7.0		480.0	7.0		306.0	9.0		4910								2810	2100	170				0.016	5.10	2			
15	98.36			6.9	6.8				7.0		136.0	5.0		69.0	8.0		6180								1920	1440	120				0.016	3.10	4			
16	74.82			7.1	7.1				7.0		124.0	4.0		97.0	6.0		6770								2380	1730	150				0.016	3.00	8			
17	50.33			7.1	7.1				8.0		260.0	2.0		232.0	8.0		5590								2290	1730	150		3.21	5.60	0.016	4.00	8			
18	32.65			7.2	7.1				7.0		340.0	3.0		220.0	5.0		4800								3730	2680	160				0.016	3.50	7			
19	29.10			7.2	7.1				7.0		152.0	4.0		182.0	10.0		5450								5650	4110	160				0.016	4.10	1			
20	27.47			7.2	7.2				7.0		295.0	2.0		244.0	5.0		5760								4320	3170	190				0.016	3.00	4			
21	28.52			7.2	7.2				7.0		133.0	3.0		133.0	4.0		5270								3050.00	2240	210				0.016	3.10	2			
22	26.44			7.1	7.2				7.0		650.0	3.0		134.0	7.0		5300								3060	2270	210				0.016	3.20	1			
23	55.21			7.1	6.9				7.0		528.0	6.0		291.0	16.0		5370								2830.00	2110	209				0.016	3.40	2			
24	67.65			7.3	6.6				7.0		368.0	5.0		239.0	18.0		6130								2310	1760	152		0.83	7.10	0.016	4.10	2			
25	60.50			7.1	6.4				7.0		236.0	5.0		233.0	13.0		7380								1830	1360	155				0.016	4.70	2			
26	52.51			7.1	6.9				7.0		364.0	5.0		264.0	9.0		7660								1890	1360	150				0.016	5.60	2			
27	48.80			7.1	7.4				7.0		289.0	4.0		178.0	12.0		6440								1990	1500	160				0.016	6.10	1			
28	45.67			7.2	7.0				7.0		284.0	4.0		189.0	5.0		6160								2110	1630	150				0.016	6.40	9			
29	42.83			7.3	7.2				7.0		420.0	4.0		293.0	10.0		6390								2610	2050	160				0.016	6.50	1			
30	42.70			7.2	6.9				7.0		388.0	4.0		332.0	15.0		7370								3060	2330	175				0.016	7.40	1			
31																																				
Total	1586.5	0	0																																	
Avg.	52.22			7.2	7.0				7.0		277.4	5.0		190.2	10.8		6035.00			0.0		0.0				2750.00	2028.00	150.37		1.38	6.35	0.016	4.29	4	0.01	

Total Number of Sewer Connections: 36173 Industrial Waste Population Equivalent _____ Operator Gary Phelps
 Residential Connections: 34248 _____
 Commercial Connections: 1907 _____ Flow 394559 BOD 384576 TSS 472447 Cert. # 30428
 Industrial Connections: 18 _____
 Sewer Connections X 3 = 102744 Phone # 502-540-6000