



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

September 14, 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 August 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 August 2017.

There were no overflows, exceedances 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

KLТ/West County 08/17  
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
201708_DRG_coverletter.pdf	pdf	111357
201708_DRG_MOR.pdf	pdf	114729

**Report Last Saved By**

**Derek R Guthrie WQTC MSD**

User: WRIGHTDUANE | Date/Time: 2017-09-14 08:08 (Time Zone: -04:00)  
Name: Duane Wright  
E-Mail: duane.wright@louisvillemsd.org

## DMR Copy of Record

### Permit

<b>Permit #:</b>	<b>KY0078956</b>	<b>Permittee:</b>	Derek R Guthrie WQTC MSD	<b>Facility:</b>	DEREK R GUTHRIE WQTC MSD
<b>Major:</b>	Yes	<b>Permittee Address:</b>	700 W Liberty St Louisville, KY 40203	<b>Facility Location:</b>	11621 LOWER RIVER RD LOUISVILLE, KY 40272
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	001-R REASONABLE POTENTIAL		

### Report Dates & Status

<b>Monitoring Period:</b>	From 08/01/17 to 08/31/17	<b>DMR Due Date:</b>	09/28/17	<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>	Executive 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	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			
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	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

<b>User:</b>	WRIGHTDUANE	<b>Date/Time:</b>	2017-09-14 08:09 (Time Zone: -04:00)
<b>Name:</b>	Duane Wright		
<b>E-Mail:</b>	duane.wright@louisvillemsd.org		

Name of Sewage Treatment Plant:

West County WTP

Jefferson

Month of:

August

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			Hardness							
		Remove (cu. ft.)	GSS (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	Raw	Primary (or Sec.)	Final	Gal/Day	MLSS (mg/L)	X 1000	Gal/Day	X 1000	g Oxygen (mg/L)	g Oxygen (mg/L)	MLSS (mg/L)	X 1000 #1&#2	MLVSS (mg/L)	X 1000 #1&#2	30 min. SVI		60 min. SVI	% Solids in Sludge	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Coliform Col/100	Flexavate
1	17.26			7.3	7.2				7.0		312.0		6.0			266.0		11.0			4770														2.43			0.016	0.60	27			
2	21.53			7.3	7.2				6.0		340.0		5.0			251.0		6.0			4760																	0.016	0.40	44			
3	19.22			7.4	7.3				6.0		338.0		4.0			182.0		5.0			4690																	0.016	0.22	30			
4	18.53			7.4	7.1				6.4		280.0		5.0			208.0		11.0			4000																	0.016	0.73	12			
5	17.48			7.0	7.2				6.0		245.0		5.0			200.0		6.0			3550																	0.016	0.67	10			
6	20.41			7.3	7.1				6.0		348.0		8.0			236.0		9.0			3360																	0.016	1.60	17			
7	34.78			7.2	7.1				6.0		303.0		7.0			212.0		10.0			5720																	0.016	1.20	12			
8	21.05			7.2	7.2				7.0		110.0		6.0			111.0		8.0			6580													1.76	2.70	0.016	1.10	12	220				
9	18.58			7.3	7.2				6.0		640.0		7.0			366.0		7.0			3390																0.016	0.80	17	0.005			
10	18.97			7.2	7.2				6.0		420.0		7.0			372.0		8.0			3240																0.016	1.20	2				
11	18.64			7.2	7.2				6.0		440.0		7.0			278.0		8.0			3490																0.016	2.10	2				
12	18.00			7.4	7.5				7.0		325.0		7.0			232.0		7.0			3750																0.016	1.20	7				
13	17.02			7.2	7.0				7.0		254.0		5.0			239.0		6.0			3680															0.016	1.20	5					
14	18.94			7.3	7.0				7.0		350.0		8.0			283.0		8.0			3510															0.016	1.80	5					
15	18.10			7.2	6.9				6.0		296.0		6.0			264.0		7.0			3660													1.80	4.90	0.016	1.80	16					
16	18.28			7.3	6.9				7.0		158.0		6.0			327.0		8.0			3190															0.016	1.70	10					
17	32.52			7.3	7.0				7.0		660.0		14.0			342.0		22.0			3300															0.016	3.40	27					
18	48.71			7.1	7.0				7.0		390.0		7.0			208.0		14.0			4340															0.016	1.80	7					
19	23.13			7.2	7.4				7.0		520.0		7.0			346.0		4.0			3830															0.016	1.00	88					
20	21.79			7.5	7.4				7.0		588.0		3.0			460.0		3.0			4020															0.016	0.68	43					
21	21.04			7.1	7.0				7.0		146.0		4.0			188.0		5.0			3570															0.016	0.70	37					
22	31.54			7.1	7.0				6.0		840.0		7.0			477.0		8.0			4130													1.72	4.40	0.016	2.60	3					
23	39.27			7.2	7.8				6.0		436.0		5.0			273.0		7.0			4920													1.68		0.016	2.10	78	222				
24	33.32			7.3	7.2				7.0		427.0		5.0			264.0		11.0			6450															0.016	3.00	24	0.005				
25	26.01			7.3	7.1				7.0		520.0		6.0			282.0		6.0			4720															0.016	0.84	23					
26	17.22			7.1	6.7				7.0		520.0		4.0			360.0		5.0			5130															0.016	0.67	48					
27	17.37			7.2	7.1				7.0		556.0		4.0			440.0		5.0			4910															0.016	0.60	7					
28	17.45			7.7	7.2				7.0		628.0		4.0			403.0		16.0			3850															0.016	0.70	8					
29	22.76			7.6	7.8				7.0		420.0		8.0			301.0		18.0			3820													1.29	4.20	0.016	2.10	10					
30	31.66			7.2	7.1				7.0		420.0		6.0			224.0		6.0			4460															0.016	1.90	12					
31	17.58			7.2	7.1				7.0		408.0		5.0			246.0		7.0			3840															0.016	0.94	15					
Total	718.1	0	0																	0.0																							
Avg.	23.17			7.3	7.2				6.6		407.7		6.0			285.2		8.5			4213.87													1.78	4.05	0.016	1.33	14	0.01	222			

Total Number of Sewer Connections:

36173

Industrial Waste Population Equivalent

Operator

Kendrietta Hayes

Residential Connections:

34248

Commercial Connections:

1907

Industrial Connections:

18

Sewer Connections X 3 =

102744

Flow

221374

BOD

272324

TSS

Cert. #

25860

Phone #

502-540-6000