



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

November 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 October 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 October 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 10/17
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
201710_DRG_coverletter.pdf	pdf	67359
201710_DRG_MOR.pdf	pdf	70550

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

User: kevin.thompson@louisvillemmsd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemmsd.org
Date/Time: 2017-11-14 08:55 (Time Zone: -05:00)

Report Last Signed By

User: kevin.thompson@louisvillemmsd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemmsd.org
Date/Time: 2017-11-15 07:34 (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 10/01/17 to 10/31/17			DMR Due Date:	11/28/17			Status:	NetDMR Validated									
Considerations for Form Completion																		
Principal Executive Officer																		
First Name:	James A.			Title:	Executiver 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			
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.																		
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User:	kevin.thompson@louisvillemsd.org																	
Name:	Kevin Thompson																	
E-Mail:	kevin.thompson@louisvillemsd.org																	
Date/Time:	2017-11-15 07:36 (Time Zone: -05:00)																	

Name of Sewage Treatment Plant:

West County WTP

Jefferson

Month of:

October

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) X 1000 #1	MLVSS (mg/L) X 1000 #1	30 min. SVI	60 min. SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)
1	18.31			7.4	6.6				6.0	380.0		6.0				314.0		7.0			3780					1930	1460	90				0.016	4.10	1	
2	24.21			7.1	7.0				6.0	468.0		9.0				320.0		13.0			4610					1980	1480	98				0.016	5.30	3	
3	25.89			7.2	7.3				7.0	532.0		9.0				428.0		20.0			4530					1970	1520	80		2.30	8.70	0.016	6.50	3	
4	18.34			7.1	7.3				7.0	1810.0		6.0				203.0		9.0			3780					1700	1310	80				0.016	4.30	6	
5	15.24			7.4	7.2				7.0	800.0		8.0				490.0		9.0			3520					1850	1450	90				0.016	4.90	1	
6	16.75			7.1	7.4				5.0	540.0		5.0				361.0		7.0			3820					2760	2110	130				0.016	1.90	1	
7	18.18			7.3	7.1				7.0	715.0		7.0				400.0		8.0			3750					2100	1560	110				0.016	1.60	2	
8	65.47			6.9	6.9				5.0	727.0		12.0				40.0		16.0			6690					1240	950	50				0.016	3.40	2	
9	66.33			7.1	7.3				7.0	512.0		7.0				212.0		4.0			6640					1960	1490	100				0.016	0.30	12	
10	56.58			7.3	7.3				7.0	324.0		10.0				139.0		6.0			5030					2610	1930	130	1.45	3.10	0.016	1.60	22		
11	58.54			7.2	7.4				7.0	512.0		6.0				610.0		6.0			5400					2660	1970	120				0.016	0.70	2	
12	35.91			7.3	7.3				7.0	610.0		6.0				399.0		12.0			5040					2470	1830	120				0.016	1.40	11	
13	30.62			7.3	7.2				6.0	505.0		8.0				396.0		8.0			4850					2370	1750	120				0.016	1.10	4	
14	25.75			7.1	7.4				7.0	445.0		9.0				439.0		10.0			5180					2370	1740	120				0.016	1.80	2	
15	24.43			7.0	7.2				6.0	510.0		7.0				363.0		8.0			4530					2240	1650	110				0.016	2.40	1	
16	21.59			7.2	7.2				7.0	356.0		4.0				355.0		4.0			4030					2280	1630	100				0.016	1.50	1	
17	20.95			7.4	7.4				6.0	548.0		6.0				328.0		8.0			5820					2220	1600	103				0.016	1.50	11	
18	20.65			7.2	7.1				6.5	500.0		6.0				365.0		16.0			3640					2250	1610	120	1.79	5.20	0.016	1.90	1		
19	24.03			7.3	7.2				7.0	772.0		7.0				453.0		8.0			4520					2210	1550	120				0.016	2.20	1	
20	19.68			7.4	7.2				7.0	545.0		7.0				352.0		7.0			4040					2080	1520	120				0.016	1.40	2	
21	19.58			7.3	7.3				7.0	565.0		7.0				366.0		8.0			3920					2220.00	1630	110				0.016	1.60	23	
22	19.99			7.5	7.2				6.0	556.0		5.0				359.0		12.0			4120					2360	1750	130				0.016	1.60	2	
23	45.65			7.4	7.3				7.0	512.0		15.0				261.0		18.0			3900					2690.00	2080	110				0.016	3.50	3	
24	42.07			7.3	7.5				6.5	348.0		9.0				225.0		13.0			5280					1690	1230	100		1.04	4.70	0.016	1.10	1	
25	25.80			7.4	7.4				7.0	468.0		9.0				366.0		18.0			3950					2390	1760	115				0.016	1.70	13	
26	23.45			7.4	7.3				7.0	456.0		9.0				371.0		12.0			4510					1830	1340	95				0.016	1.50	1	
27	25.90			7.2	7.2				7.0	600.0		11.0				440.0		16.0			4400					2170	1670	100				0.016	1.80	1	
28	92.58			7.1	7.2				7.0	230.0		15.0				132.0		19.0			7100					1490	1100	60				0.016	2.10	44	
29	49.38			7.1	7.2				7.0	340.0		8.0				287.0		11.0			5650					1830	1400	100				0.016	1.30	31	
30	29.40			7.1	7.6				7.0	440.0		8.0				195.0		5.0			4450					2220	1660	120				0.016	1.20	3	
31	26.84			7.0	7.2				7.0	536.0		6.0				396.0		4.0			4370					2290	1670	120				0.016	0.38	5	
Total	1008.1	0	0																		0.0		0.0						1.41	1.90	0.016	0.38	5		
Avg.	32.52			7.2	7.2				6.6	553.6		8.0				320.4		10.8			4671.94					2143.55	1593.55	105.19		1.60	4.72	0.016	2.18	3	

Total Number of Sewer Connections:

36173

Industrial Waste Population Equivalent

Operator

Timothy Clark

Residential Connections:

34248

Commercial Connections:

1907

Industrial Connections:

18

Sewer Connections X 3 =

102744

206967

Flow

408445

BOD

612244

TSS

Cert. #

#25323

Phone #

502-540-6000