



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

June 13, 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 May 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 May 2018.

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 05/18
Enclosures

cc: C. Roth
V. Graves
R. Shaw

81011 Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	98				23 - %		01/30 - Monthly	CA - CALCTD
				Permit Req.	>=	85 MO AV MN				23 - %	0	01/30 - Monthly	CA - CALCTD
				Value NODI									

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
20605_DRG_MOR.pdf	pdf	71207
20105_DRG_coveletter.pdf	pdf	53877

Report Last Saved By

Derek R Guthrie WQTC MSD

User: kevin.thompson@louisvillemsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemsd.org
 Date/Time: 2018-06-14 14:45 (Time Zone: -04:00)

Report Last Signed By

User: kevin.thompson@louisvillemsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemsd.org
 Date/Time: 2018-06-15 10:41 (Time Zone: -04:00)

Name of Sewage Treatment Plant
West County WTP

KPDES Permit Number: KY0078956
Plant Capacity: 30 MGD

County: Jefferson

Month of: May

Ohio River
2018

Date	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		% Solids		Chlorine Residual (mg/L)		NH3-N (mg/L)		E. Coli (MPN)		Total Cr +6 mg/L
	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	Raw	Final	
1	32.76	7.1	7.1	7.0	7.0	7.1	7.0	6.0	231.0	243.0	14.0	243.0	14.0	243.0	6330	6330	5340	4100	155	170	0.016	6.20	26	31	12		
2	24.22	7.1	7.0	6.7	7.0	7.0	6.0	263.0	234.0	197.0	13.0	298.0	13.0	197.0	5670	5670	4010	3190	180	170	0.016	4.90	5	5	1		
3	23.76	7.0	7.1	7.2	7.0	7.0	7.0	234.0	234.0	197.0	12.0	212.0	12.0	197.0	2780	2780	2150	170	155	170	0.016	5.00	1	1			
4	23.83	7.0	7.1	7.2	7.0	7.0	7.0	330.0	330.0	4.0	12.0	212.0	12.0	4.0	6400	6400	2440	1870	155	170	0.016	5.80	5	5			
5	92.99	7.0	7.1	7.2	7.0	7.0	6.0	83.0	83.0	86.0	9.0	86.0	9.0	86.0	5330	5330	2620	2040	130	170	0.016	5.50	9	9			
6	92.99	7.0	7.1	7.2	7.0	7.0	6.0	83.0	83.0	86.0	9.0	86.0	9.0	86.0	5330	5330	2620	2040	130	170	0.016	5.50	9	9			
7	39.30	8.0	8.0	6.9	7.0	7.0	7.0	200.0	200.0	219.0	19.0	219.0	19.0	219.0	5300	5300	3020	2330	195	178	0.016	2.40	2420	2420			
8	32.46	7.2	7.0	7.0	7.0	7.0	7.0	247.0	247.0	289.0	3.0	289.0	3.0	289.0	5020	5020	3070	2270	178	178	0.016	3.40	4	31	9		
9	26.66	7.6	7.0	7.0	7.0	7.0	7.0	247.0	247.0	206.0	9.0	206.0	9.0	206.0	4710	4710	2630	1990	166	166	0.016	3.40	4	31	9		
10	29.56	7.0	7.0	6.7	7.0	7.0	7.0	187.0	187.0	206.0	10.0	206.0	10.0	206.0	7040	7040	2860	2170	170	170	0.016	5.00	7	7			
11	24.80	7.1	7.0	6.7	7.0	7.0	7.0	242.0	242.0	189.0	10.0	189.0	10.0	189.0	4890	4890	3630	2870	100	100	0.016	8.70	11	11			
12	24.60	6.9	6.6	6.9	7.0	7.0	7.0	210.0	210.0	200.0	12.0	200.0	12.0	200.0	4380	4380	2160	1630	130	130	0.016	16.00	126	126			
13	23.62	7.3	7.2	7.3	7.0	7.0	7.0	427.0	427.0	323.0	14.0	323.0	14.0	323.0	4480	4480	1630	1240	110	110	0.016	8.10	2	2			
14	23.82	7.3	7.2	7.2	7.0	7.0	7.0	463.0	463.0	254.0	17.0	254.0	17.0	254.0	4260	4260	1620	1160	100	100	0.016	8.30	5	5			
15	26.18	7.4	7.2	7.4	7.0	7.0	7.0	508.0	508.0	336.0	35.0	336.0	35.0	336.0	4190	4190	1550	1180	100	100	0.016	9.80	2	2	33	16	
16	21.33	7.0	7.1	7.2	7.0	7.0	7.0	552.0	552.0	348.0	12.0	348.0	12.0	348.0	4680	4680	1860	1390	120	120	0.016	7.00	2	2			
17	29.70	7.2	7.2	7.2	7.0	7.0	7.0	456.0	456.0	304.0	23.0	304.0	23.0	304.0	4490	4490	1860	1720	135	135	0.016	7.30	5	5			
18	24.92	7.1	7.4	7.4	7.0	7.0	7.0	655.0	655.0	311.0	18.0	311.0	18.0	311.0	4220	4220	2180	1660	140	140	0.016	6.20	236	236			
19	24.11	7.1	7.1	7.1	7.0	7.0	7.0	445.0	445.0	346.0	13.0	346.0	13.0	346.0	5550	5550	3420	2690	150	150	0.016	5.90	4	4			
20	22.80	7.1	7.2	7.2	7.0	7.0	7.0	424.0	424.0	268.0	6.0	268.0	6.0	268.0	5320	5320	3160	2410	150	150	0.016	4.90	4	4			
21	23.07	7.1	7.1	7.1	7.0	7.0	7.0	568.0	568.0	339.0	12.0	339.0	12.0	339.0	4530	4530	2300.00	1750	150	150	0.016	5.60	2	2			
22	24.20	7.2	7.2	7.2	7.0	7.0	7.0	632.0	632.0	405.0	31.0	405.0	31.0	405.0	2750	2750	3690	2700.00	130	130	0.016	6.10	2	2	36	14	
23	22.95	7.3	7.1	7.1	7.0	7.0	7.0	387.0	387.0	285.0	6.0	285.0	6.0	285.0	5230	5230	2370.00	1830	145	145	0.016	6.40	2	2		0.005	
24	20.67	8.0	7.2	7.2	8.0	7.0	7.0	520.0	520.0	359.0	5.0	359.0	5.0	359.0	4800	4800	2640	2020	145	145	0.016	5.50	10	10			
25	20.04	7.3	7.2	7.2	7.0	7.0	7.0	605.0	605.0	266.0	8.0	266.0	8.0	266.0	4220	4220	2290	1750	140	140	0.016	6.50	2	2			
26	19.40	7.2	7.2	7.2	7.0	7.0	7.0	515.0	515.0	336.0	10.0	336.0	10.0	336.0	4830	4830	2540	1950	140	140	0.016	5.80	2	2			
27	24.42	7.0	7.2	7.2	7.0	7.0	7.0	436.0	436.0	227.0	8.0	227.0	8.0	227.0	4870	4870	2370	1820	120	120	0.016	6.40	4	4			
28	24.42	7.0	7.2	7.2	7.0	7.0	7.0	436.0	436.0	227.0	8.0	227.0	8.0	227.0	4870	4870	2370	1820	120	120	0.016	6.40	4	4			
29	26.82	7.0	7.2	7.2	7.0	7.0	7.0	392.0	392.0	310.0	8.0	310.0	8.0	310.0	3940	3940	2030	1490	130	130	0.016	6.60	2	2			
30	26.00	7.1	7.3	7.3	7.0	7.0	7.0	330.0	330.0	182.0	7.0	182.0	7.0	182.0	2260	2260	2970	2260	120	120	0.016	5.80	20	20			
31	36.24	7.1	7.2	7.2	7.0	7.0	7.0	293.0	293.0	205.0	12.0	205.0	12.0	205.0	4600	4600	2210	1710	130	130	0.016	6.10	2	2			
Avg	29.23	7.2	7.1	7.1	7.0	7.0	7.0	387.8	387.8	277.0	7.1	277.0	7.1	277.0	5008.71	5008.71	0.0	0.0	0.0	0.0	0.0	6.21	7	33	13	0.005	

Sewer Connections X 3 =

36173
34248
1907
18
102744

175598
Flow

294461
BOD

347377
TSS

Operator: Kendetha Hayes
Cert. #: 25850
Phone #: 502-540-6000