



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

June 18, 2020

Ms. Crystal Dennis  
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 2020.**

Dear Ms. Crystal Dennis:

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 2020.

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

Also attached are overflow reports.

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 05/20  
Enclosures

cc: C. Roth  
V. Graves  
R. Shaw



80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	5275.0	=	6053.0	26 - lb/d	=	12.0	=	16.0	19 - mg/L	0	01/01 - Daily	24 - COMP24	
					Permit Req.	<=	15021.0 MO AVG	<=	22532.0 MX WK AV	26 - lb/d	<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L		01/01 - Daily	24 - COMP24	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample						=	108.0	=	131.0	19 - mg/L	0	01/01 - Daily	24 - COMP24	
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/01 - Daily	24 - COMP24	
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample					=	89.0				23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.							>=	85.0 MO AV MN				23 - %	01/30 - Monthly	CA - CALCTD
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	95.0				23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.							>=	85.0 MO AV MN				23 - %	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
0520_DRG_coverletter.pdf	pdf	68244.0
0520_DRG_MOR.pdf	pdf	83244.0

**Report Last Saved By**

Derek R Guthrie WQTC MSD

User: staci.huber@louisvillemmsd.org  
 Name: Staci Huber  
 E-Mail: staci.huber@louisvillemmsd.org  
 Date/Time: 2020-06-18 09:35 (Time Zone: -04:00)

**Report Last Signed By**

User: kevin.thompson@louisvillemmsd.org  
 Name: Kevin Thompson  
 E-Mail: kevin.thompson@louisvillemmsd.org  
 Date/Time: 2020-06-18 10:03 (Time Zone: -04:00)

Name of Sewage Treatment Plan West County WTP County Jefferson Month of: May 2020  
 KPDES Permit Number: KY0078956 Plant Capacity: 30 MGD Receiving Stream: Ohio River

Date	Total Flow (MG)	Raw Sewage		pH		Settleable Solids (mg/L)			Dissolved Oxygen (mg/L)			Suspended Solids (mg/L)			Total Solids (mg/L)			5-day BOD (mg/L)			Activated Sludge		Aeration Basin						Phosphorus mg/L		Final			Total mg/L		Cr +6 mg/L					
		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	(mg/L) X 1000 #1 & #2	MLVSS (mg/L) X 1000	30 min. SVI	60 min. SVI	% Solids	Raw	Final	Chlorine Residual (mg/L)	NH3-N (mg/L)	E. Coli (MPN)	Raw	Final	Final			
1	51.13			7.1	7.1					8.0			136.0			5.0			130.0		11.0	5120				3220	2620	190					0.016	1.00	14						
2	47.33			7.1	7.0					8.0			164.0			5.0			93.0		13.0	5580				3300	2620	200					0.016	1.50	35						
3	45.73			7.2	7.3					7.0			158.0			6.0			126.0		13.0	5400				2960	2320	190	4.48	1.70			0.016	1.50	11	20	12				
4	45.00			7.2	6.9					7.0			150.0			5.0			130.0		14.0	4510				3440	2810	190					0.016	2.40	17						
5	53.76			7.2	7.0					7.0			148.0			7.0			111.0		14.0	5250				2780	2270	180					0.016	1.60	6						
6	48.52			7.2	7.0					7.0			150.0			6.0			121.0		11.0	4830				2530	2070	190					0.016	1.70	2						
7	43.99			7.1	7.4					7.0			214.0			7.0			164.0		12.0	5390				7650	6320	140					0.016	2.40	26						
8	67.98			7.0	7.1					7.0			140.0			13.0			104.0		22.0	5380				3030	2480	170					0.016	2.60	2						
9	70.51			7.1	7.0					7.0			92.0			6.0			64.0		8.0	6670				2580	2090	170					0.016	1.20	35						
10	54.71			7.2	7.1					8.0			196.0			8.0			138.0		11.0	5840				2600	2110	200	4.64	1.43			0.016	2.30	23	22	10				
11	48.25			7.3	7.0					7.0			182.0			8.0			170.0		19.0	4770				2850	2320	180					0.016	6.10	6						
12	34.67			7.2	7.1					7.0			166.0			7.0			147.0		16.0	6530				3980	3270	175					0.016	4.80	2						
13	27.40			7.3	6.9					7.0			174.0			7.0			136.0		20.0	4930				3360	2780	220					0.016	4.70	2						
14	26.66			7.2	7.2					7.0			214.0			9.0			156.0		15.0	4290				3060	2490	200					0.016	3.50	2						
15	33.70			7.1	7.4					7.0			253.0			10.0			182.0		16.0	4430				2540	2080	150					0.016	2.50	443						
16	33.71			6.6	7.0					7.0			87.0			10.0			58.0		9.0	6160				1860	1540	120					0.016	0.90	2101						
17	76.92			7.1	6.9					7.0			92.0			5.0			57.0		7.0	6220				3280	2660	190	2.34	0.71			0.016	0.94	11	15	7				
18	89.34			7.1	7.0					8.0			100.0			6.0			83.0		9.0	5030				2940	2340	200					0.016	1.20	2						
19	87.01			7.2	6.9					7.0			122.0			5.0			82.0		9.0	5850				2820	2240	170					0.016	1.30	2						
20	70.75			7.2	7.0					7.0			104.0			5.0			96.0		7.0	5130				3270	2620	200					0.016	1.20	2						
21	62.45			7.2	7.1					7.0			114.0			5.0			102.0		9.0	5500				3970.00	3140	190					0.016	1.60	2						
22	57.24			7.2	7.0					7.0			148.0			4.0			142.0		14.0	5830				2990	2390	200					0.016	1.70	2						
23	63.52			7.3	7.4					7.0			200.0			12.0			104.0		17.0	7160				3640.00	2980	190					0.016	1.10	62						
24	89.66			6.8	7.0					7.0			95.0			6.0			77.0		7.0	7420				2360	1780	150					0.016	0.53	25						
25	70.19			7.1	7.4					8.0			102.0			6.0			70.0		8.0	6860				3260	2620	200	2.38	1.43			0.016	1.20	8	15	8				
26	70.04			7.1	7.1					7.0			120.0			6.0			75.0		10.0	6590				2610	2070	180					0.016	1.60	41						
27	70.04			7.2	7.1					7.0			124.0			6.0			98.0		9.0	7020				3070	2450	190					0.016	1.40	2						
28	65.44			7.2	7.0					7.0			102.0			7.0			66.0		8.0	7060				3410	2690	170					0.016	1.20	38						
29	62.20			7.2	6.9					7.0			114.0			6.0			67.0		8.0	6990				3520	2810	200					0.016	0.70	2						
30	54.05			7.0	7.0					7.0			126.0			6.0			82.0		7.0	6960				2930	2350	200					0.016	0.70	15						
31	60.61			7.2	7.2					7.0			176.0			6.0			130.0		8.0	6230				2960	2320	200					0.016	1.10	31						
Total	1782.5	0	0																			0.0		0.0																	
Avg	57.50			7.1	7.1					7.2			144.0			6.8			108.4		11.6	5804.19				3186.13	2569.35	183.71					3.46	1.32	0.016	1.88	10	18	9		

Industrial Connections: 36173 Flow 444869 BOD 203091 TSS 226013 Operator Gary Phelps  
 Sewer Connections X 3 = 18 Flow 102744 Phone # 502-540-6000  
 Cert. # 30428