



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

November 20, 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 October 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 October 2020.

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 10/20
Enclosures

cc: C. Roth
V. Graves
R. Shaw

80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	3362.0	=	3834.0	26 - lb/d	=	9.0	=	10.0	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						=	166.0	=	206.0	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					=	95.0				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					=	97.0				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
SDRG-ADMIN-20112010511.pdf	pdf	131874.0
SDRG-ADMIN-20112010510.pdf	pdf	34993.0

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: 2020-11-20 10:57 (Time Zone: -05:00)

Report Last Signed By

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG
 Name: Joseph Smith
 E-Mail: joseph.smith@louisvillemmsd.org
 Date/Time: 2020-11-24 10:01 (Time Zone: -05:00)

Name of Sewage Treatment Plan

West County WTP

Jefferson

Month of:

October

2020

KPDES Permit Number:

KY0078956

Plant Capacity:

30 MGD

County

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						Phosphorus mg/L		Final		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	MLVSS (mg/L) X 1000	30 min. SVI	60 min. SVI	% Solids	Raw	Final	Chlorine Residual (mg/L)	NH3-N (mg/L)	E. Coll (MPN)	Raw	Final	Final
1	31.41			7.4	7.2					7.0			284.0		6.0				233.0		9.0	5780				3120	2420	190			6.87	1.50	0.016	1.70	9			
2	31.29			7.1	7.0					7.0			376.0		6.0				221.0		8.0	6180				4000	3180	200					0.016	1.80	16			
3	31.00			6.9	7.3					7.3			272.0		7.0				166.0		8.0	6380				3140	2540	200					0.016	1.90	16			
4	30.21			7.1	7.2					7.0			238.0		5.0				210.0		6.0	5060				2720	2140	170					0.016	1.60	2			
5	30.78			6.9	6.9					7.0			310.0		6.0				209.0		7.0	5160				3180	2500	190					0.016	2.10	4	38	16	
6	30.47			7.2	6.8					7.0			296.0		6.0				199.0		9.0	7120				2460	2060	160					0.016	1.70	2			
7	30.20			7.0	6.9					7.0			278.0		6.0				201.0		9.0	5560				1320	1090	200					0.016	1.40	2			
8	29.50			7.5	7.1					7.0			260.0		6.0				168.0		15.0	5180				2630	2130	170		5.55	2.88	0.016	2.10	2				
9	30.12			7.1	7.0					7.0			482.0		6.0				240.0		9.0	4900				3820	3140	230					0.016	2.00	2			
10	28.53			7.3	7.0					7.0			233.0		3.0				156.0		6.0	6120				3940	3280	190					0.016	1.70	2			
11	29.05			6.9	7.1					7.0			194.0		5.0				126.0		5.0	6100				5540	4580	230					0.016	0.86	4			
12	30.01			7.0	6.8					7.0			258.0		6.0				210.0		6.0	6180				3460	2820	250					0.016	0.90	2	33	14	
13	29.63			7.1	7.0					7.0			248.0		6.0				216.0		13.0	5300				3760	3080	260					0.016	1.70	2			
14	30.85			7.3	6.9					7.0			260.0		6.0				223.0		10.0	5120				3460	2740	240					0.016	0.80	2			
15	28.47			7.1	7.0					7.0			284.0		8.0				200.0		10.0	5800				3660	3000	220		7.06	2.90	0.016	0.39	2				
16	29.62			7.3	7.0					7.0			192.0		6.0				149.0		6.0	8540				3240	2660	200					0.016	1.40	52			
17	29.04			7.1	7.2					7.0			193.0		5.0				135.0		4.0	5600				3880	3260	270					0.016	0.48	21			
18	28.33			7.1	7.0					7.0			250.0		7.0				153.0		9.0	5580				3320	2580	250					0.016	0.57	11			
19	43.94			7.1	6.8					7.0			250.0		12.0				162.0		12.0	5500				3580	2920	240					0.016	1.30	2	21	13	
20	89.68			7.0	6.8					7.0			143.0		14.0				101.0		14.0	6440				2560	2060	120					0.016	0.59	7			
21	54.69			7.0	7.0					7.0			198.0		10.0				172.0		11.0	6120				3640.00	3020	200					0.016	0.60	593			
22	44.31			7.0	6.9					7.0			318.0		9.0				223.0		8.0	5820				3420	2860	220		5.57	1.18	0.016	0.50	13				
23	47.78			7.0	7.0					7.0			240.0		9.0				162.0		13.0	5400				3320.00	2740	220					0.016	1.40	17			
24	65.34			7.0	7.0					7.0			102.0		11.0				76.0		11.0	6140				2360	1890	180					0.016	0.60	12			
25	42.34			7.0	7.1					7.0			204.0		7.0				196.0		11.0	5440				2900	2330	220					0.016	0.80	2			
26	41.32			7.1	7.0					7.0			134.0		6.0				115.0		7.0	5320				2940	2380	210					0.016	0.22	40	23	11	
27	38.04			7.0	7.0					7.0			156.0		5.0				143.0		9.0	5900				3400	2740	230					0.016	0.39	54			
28	37.89			7.2	7.1					7.0			240.0		7.0				180.0		9.0	5440				3020	2460	240					0.016	0.49	30			
29	139.45			6.9	6.8					7.0			80.0		11.0				50.0		12.0	6460				1620	1320	100					0.016	0.33	143			
30	115.51			6.8	7.0					7.0			82.0		5.0				78.0		6.0	6260				2150	1650	170					0.016	0.20	2			
31	75.77			7.1	7.2					7.0			97.0		4.0				79.0		2.0	5600				2680	2120	210					0.016	2.00	460			
Total	1374.8	0	0																		0.0		0.0															
Avg.	44.34			7.1	7.0					7.0			230.7		7.0				186.2		8.8	5854.84				3189.03	2570.65	205.81		6.26	2.12	0.016	1.11	9	28	13		

Industrial Connections: _____
 Sewer Connections X 3 = _____
 102744

36173
 34248
 1907
 18
 319551 Flow
 258782 BOD
 303529 TSS

Operator: Gary Phelps
 Cert. #: 30428
 Phone #: 502-540-6000