



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

February 18, 2019

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 January 2019.**

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 January 2019.

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 01/19
Enclosures

cc: C. Roth
V. Graves
R. Shaw

81011 Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	95				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
0119_DRG_MOR.pdf	pdf	82793
0119_DRG_Coverletter.pdf	pdf	90147

Report Last Saved By

Derek R Guthrie WQTC MSD

User: WRIGHTDUANE
 Name: Duane Wright
 E-Mail: duane.wright@louisvillemsd.org
 Date/Time: 2019-02-18 10:34 (Time Zone: -05:00)

Report Last Signed By

User: WRIGHTDUANE
 Name: Duane Wright
 E-Mail: duane.wright@louisvillemsd.org
 Date/Time: 2019-02-19 08:23 (Time Zone: -05:00)

Name of Sewage Treatment Plan: West County WTP County: Jefferson Month of: January 2019
 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							Phosphorus mg/L		Final Chlorine Residual (mg/L)	Final NH3-N (mg/L)	Final E. Coli (MPN)	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	Raw	MLSS mg/L X 1000	WAS	Oxygen (mg/L) #1	Oxygen (mg/L) #2	(mg/L) X1000 #1	MLVSS (mg/L) X1000	30 min. SVI	60 min. SVI	% Solids	Raw				Final	Raw		Final			
1	106.52			7.1	7.2				7.0	104.0		6.0				72.0			10.0							2330	1770	160			5.35	0.94	0.016	1.60	52	10	8				
2	85.41			7.0	6.9				8.0	90.0		6.0				101.0			15.0							2140	1680	150			0.016	3.10	19								
3	67.59			7.1	7.1				8.0	123.0		6.0				141.0			21.0							2550	2010	160			0.016	4.00	4								
4	78.22			7.3	7.2				8.0	128.0		8.0				100.0			16.0							2350	1850	170			0.016	4.80	2								
5	98.66			7.0	6.9				7.0	101.0		8.0				67.0			9.0							1890	1470	130			0.016	3.30	9								
6	73.73			7.2	7.2				7.0	136.0		6.0				109.0			8.0							1890	1460	140			0.016	4.30	2								
7	64.35			7.3	7.3				8.0	132.0		7.0				133.0			18.0							2060	1630	150			0.016	5.00	2								
8	58.47			7.2	7.7				8.0	156.0		7.0				131.0			19.0							2090	1650	140			2.95	1.03	0.016	5.70	10	21	12				
9	52.50			7.0	7.3				8.0	122.0		8.0				120.0			15.0							1950	1580	140			0.016	6.90	11								
10	48.10			7.2	6.6				8.0	136.0		7.0				126.0			16.0							1880	1480	140			0.016	6.90	7								
11	45.48			7.2	6.7				8.0	180.0		7.0				114.0			12.0							1920	1520	150			0.016	7.50	2								
12	48.34			7.4	6.7				8.0	172.0		8.0				483.0			59.0							1990	1570	140			0.016	7.50	34								
13	63.22			7.1	7.1				8.0	152.0		10.0				194.0			58.0							2260	1900	110			0.016	4.60	134								
14	55.93			7.4	6.9				8.0	136.0		7.0				122.0			12.0							2770	2230	190			0.016	4.50	120								
15	51.10			7.2	7.3				8.0	166.0		8.0				182.0			24.0							2220	1830	160			4.18	0.64	0.016	7.10	27	22	11				
16	47.49			7.2	6.9				8.0	172.0		6.0				126.0			11.0							1770	1440	170			0.016	7.10	35								
17	47.59			7.3	7.6				8.0	148.0		6.0				183.0			14.0							2510	2050	180			0.016	7.70	9								
18	45.05			7.4	7.4				8.0	152.0		5.0				146.0			10.0							2510	2020	175			0.016	7.20	12								
19	74.39			7.3	7.4				8.0	144.0		9.0				126.0			15.0							2780	2240	180			0.016	5.80	12								
20	101.30			7.2	7.2				8.0	96.0		7.0				129.0			13.0							2350	1890	170			0.016	2.80	135								
21	74.03			7.2	7.3				8.0	136.0		6.0				121.0			9.0							2460.00	1980	170			0.016	2.50	7								
22	63.99			7.4	7.2				8.0	112.0		6.0				126.0			13.0							2650	2140	190			1.97	0.30	0.016	3.50	4	16	6				
23	100.82			7.3	7.3				8.0	100.0		8.0				85.0			11.0							2800.00	2290	190			0.016	2.90	6								
24	113.35			7.3	7.2				8.0	96.0		7.0				73.0			9.0							2330	1870	170			0.016	2.30	178								
25	77.86			7.5	7.0				8.0	80.0		5.0				72.0			7.0							2650	2140	185			0.016	3.60	24								
26	68.47			7.2	7.4				8.0	116.0		5.0				96.0			8.0							2620	2110	190			0.016	5.30	9								
27	59.53			7.1	7.3				8.0	196.0		5.0				166.0			9.0							2270	1780	180			0.016	6.00	9								
28	55.95			7.2	7.2				8.0	140.0		4.0				154.0			9.0							2350	1900	180			0.016	5.90	14								
29	51.52			7.3	7.2				8.0	200.0		7.0				113.0			9.0							2320	1860	170			0.016	6.30	20								
30	49.85			7.2	7.3				8.0	168.0		6.0				143.0			11.0							2400	1970	170			0.016	7.30	31								
31	46.92			7.1	7.2				8.0	204.0		6.0				117.0			8.0							2130	1720	170			0.016	6.90	21								
Total	2075.6	0	0																																						
Avg	66.95			7.2	7.2				7.9	138.6		6.7				134.5			15.4						6509.35	0.0	0.0			2295.81	1839.68	163.55			3.61	0.73	0.016	5.16	14	17	9

Industrial Connections: _____
 Sewer Connections X 3 = _____
 36173
 34248
 1907
 18
 102744

Flow _____
 BOD _____
 TSS _____

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