



Safe, clean waterways

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

November 15, 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 October 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 October 2019.

There were no exceedances, overflows 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 10/19
Enclosures

cc: C. Roth
V. Graves
R. Shaw

81011 Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	96	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
201910_DRG_MOR.pdf	pdf	89409
201910_DRG_coverletter.pdf	pdf	45552

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: 2019-11-15 13:40 (Time Zone: -05:00)

Report Last Signed By

User: kevin.thompson@louisvillemmsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemmsd.org
 Date/Time: 2019-11-18 10:50 (Time Zone: -05:00)

Name of Sewage Treatment Plan West County WTP Jefferson County Month of October 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			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	WAS	Gal/Day X 1000	Oxygen presence (mg/L) #1	Oxygen presence (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)	Final	Final	Final	Raw	Final	Final		
1	18.41			6.9	6.5				7.0		208.0	8.0		153.0	7.0				4320							2940	2220	130			8.19	6.13	0.016	0.32	7	32	26					
2	18.40			7.2	6.6				6.0		288.0	12.0		237.0	11.0				4260							3040	2300	130					0.016	0.20	16							
3	18.00			7.2	6.9				7.0		224.0	14.0		154.0	8.0				3920							2920	2280	110					0.016	0.20	72							
4	17.09			7.3	6.6				7.0		272.0	17.0		178.0	13.0				3500							2740	2100	110					0.016	1.20	26							
5	16.69			7.2	6.8				6.0		240.0	15.0		161.0	11.0				3740							2660	2120	110					0.016	0.54	7							
6	23.80			7.2	6.9				6.0		268.0	22.0		190.0	25.0				3680							3740	2980	100					0.016	2.70	10							
7	51.54			7.1	6.8				6.0		180.0	11.0		125.0	11.0				4600							2420	1820	80					0.016	2.60	7							
8	24.29			7.1	7.0				7.0		244.0	7.0		200.0	10.0				3480							2020	1540	100	5.10	1.98	0.016	0.68	54	33	17							
9	20.56			7.2	6.9				7.0		252.0	6.0		152.0	8.0				3860							2920	2240	110					0.016	0.53	123							
10	19.28			7.3	7.0				6.0		198.0	7.0		170.0	9.0				3140							2340	1760	120					0.016	0.34	11							
11	22.76			7.2	6.9				6.0		184.0	7.0		136.0	11.0				3820							2560	1980	110					0.016	1.50	90							
12	20.81			7.2	6.9				6.0		160.0	6.0		143.0	9.0				3580							2080	1550	100					0.016	0.80	98							
13	19.77			7.1	6.9				6.0		156.0	6.0		145.0	8.0				3700							2670	2030	150					0.016	0.37	377							
14	18.39			7.3	7.0				7.0		224.0	6.0		222.0	8.0				3640							2920	2280	140					0.016	0.30	9							
15	18.14			7.2	6.8				7.0		424.0	12.0		273.0	12.0				3380							2740	2040	120	4.90	3.22	0.016	0.44	12	28	24							
16	35.63			7.0	7.0				6.0		244.0	13.0		168.0	15.0				5720							3820	3090	110					0.016	0.66	18							
17	21.27			7.2	7.0				6.0		200.0	6.0		134.0	7.0				4066							3100	2460	130					0.016	0.23	55							
18	19.68			7.2	7.0				7.0		184.0	6.0		143.0	8.0				3720							2460	1920	120					0.016	0.52	6060							
19	19.53			7.2	7.0				7.0		212.0	6.0		174.0	9.0				3620							2320	1760	120					0.016	0.63	36							
20	19.57			7.2	7.3				7.0		178.0	6.0		216.0	8.0				3700							4560	3040	100					0.016	0.27	13							
21	19.29			7.1	7.0				6.0		276.0	4.0		210.0	6.0				4000							2980.00	2280	120					0.016	0.21	9							
22	19.30			7.1	6.9				6.0		248.0	4.0		172.0	6.0				3760							2940	2260	130	5.31	3.30	0.016	0.20	78	34	19							
23	18.47			7.2	6.9				8.0		215.0	4.0		162.0	8.0				3660							2680.00	2080	140					0.016	0.20	37							
24	18.16			7.0	6.7				7.0		220.0	4.0		176.0	8.0				3900							2420	1820	130					0.016	0.22	40							
25	16.44			7.0	6.8				6.0		175.0	4.0		176.0	8.0				3880							3580	2780	140					0.016	0.20	64							
26	47.53			7.2	6.9				6.0		324.0	12.0		194.0	22.0				3976							2580	1960	195					0.016	1.80	2							
27	44.76			7.0	7.0				6.0		168.0	4.0		141.0	9.0				5740							2560	1920	130					0.016	0.20	44							
28	44.76			7.2	7.2				6.0		188.0	6.0		147.0	13.0				4580							4160	3290	180					0.016	0.20	133							
29	22.78			7.2	6.9				7.0		182.0	5.0		157.0	10.0				4580							4120	3160	190					0.016	0.20	49							
30	44.87			7.2	6.9				6.0		198.0	10.0		140.0	15.0				4660							4020	3100	190					0.016	1.10	57							
31	97.29			7.1	6.9				7.0		94.0	8.0		57.0	10.0				4400							3800	2880	140					0.016	0.53	70							
Total	837.3	0	0																	0.0		0.0																				
Avg	27.01			7.2	6.9				6.5		220.2	8.3		167.9	10.4				4017.74								2993.87	2283.23	128.55					5.88	3.66	0.016	0.64	36	31	21		

Industrial Connections: 36173 Flow 154477 BOD 119769 TSS 133472 Operator Gary Phelps
 Sewer Connections X 3 = 1907 Flow 18 BOD 18 TSS 18 Cert. # 30428
102744 Phone # 502-540-6000