



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

June 17, 2021
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 2021.**

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 2021.

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 05/21
Enclosures

cc: C. Roth
V. Graves
R. Shaw

50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample							<	0.016	<	0.016	19 - mg/L	01/01 - Daily	GR - GRAB
					Permit Req.						<=	0.019 MO AVG	<=	0.019 MX WK AV	19 - mg/L	0	01/01 - Daily	GR - GRAB
					Value NODI													
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	5.0	=	8.0	13 - #/100mL	01/01 - Daily	GR - GRAB
					Permit Req.						<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL	0	01/01 - Daily	GR - GRAB
					Value NODI													
81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample							=	96.0			23 - %	01/30 - Monthly	CA - CALCTD
					Permit Req.						>=	85.0 MO AV MN			23 - %	0	01/30 - Monthly	CA - CALCTD
					Value NODI													
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample							=	99.0			23 - %	01/30 - Monthly	CA - CALCTD
					Permit Req.						>=	85.0 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
0521_DRG_MOR.pdf	pdf	132544.0
0521_DRG_coverletter.pdf	pdf	37124.0

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: 2021-06-21 10:00 (Time Zone: -04:00)

Report Last Signed By

User: kevin.thompson@louisvillemmsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemmsd.org
 Date/Time: 2021-06-21 11:20 (Time Zone: -04:00)

Name of Sewage Treatment Plan West County WTP Jefferson County Month of: May 2021
 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 Return		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	Raw	MLSS mg/L X 1000	WAS	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	33.08			7.2	7.4				7.0				556.0		4.0				342.0		6.0	4140				2960	2320	175				0.016	2.30	2								
2	30.59			7.2	7.2				7.0				560.0		4.0				330.0		7.0	3640				2120	1660	175			11.20	1.23	0.016	3.00	2		46	14				
3	45.73			7.0	7.2				7.0				468.0		5.0				285.0		11.0	3680				2440	2040	160				0.016	3.70	2								
4	56.29			6.8	7.3				7.0				424.0		9.0				276.0		21.0	3880				4770	3910	150				0.016	3.00	29								
5	108.59			6.9	7.0				7.0				316.0		7.0				220.0		12.0	4540				1200	960	90				0.016	2.00	2								
6	51.84			6.9	7.1				7.0				428.0		4.0				259.0		10.0	4340				2670	2160	160				0.016	1.90	60								
7	39.23			7.3	7.3				7.0				654.0		4.0				361.0		7.0	3840				2210	1770	160				0.016	2.20	2								
8	33.13			6.8	7.3				7.0				876.0		4.0				542.0		7.0	3320				2190	1750	160				0.016	2.80	2								
9	39.30			7.2	7.3				7.0				296.0		5.0				210.0		8.0	3860				2100	1680	160			5.94	1.16	0.016	3.10	2	28	11					
10	36.40			7.0	7.2				7.0				212.0		5.0				202.0		8.0	3700				2120	1720	150				0.016	2.90	2								
11	31.00			7.0	7.3				7.0				200.0		4.0				199.0		7.0	3040				2130	1740	150				0.016	3.20	2								
12	27.60			7.1	7.2				7.0				212.0		4.0				222.0		16.0	3200				1940	1580	150				0.016	3.70	2								
13	26.20			7.4	7.3				7.0				212.0		3.0				229.0		14.0	2960				1810	1490	150				0.016	3.50	2								
14	24.93			7.2	7.2				7.0				287.0		3.0				247.0		8.0	3280				1910	1580	150				0.016	3.00	2								
15	24.20			7.0	7.1				7.0				77.0		4.0				71.0		6.0	3380				1900	1540	140				0.016	3.80	2								
16	23.93			7.1	7.3				7.0				250.0		4.0				170.0		6.0	2980				1860	1460	140			6.76	1.72	0.016	3.90	2	27	14					
17	22.69			6.8	7.0				7.0				430.0		5.0				296.0		9.0	2960				2210	1850	140				0.016	3.90	6								
18	25.44			6.9	7.1				7.0				222.0		6.0				207.0		25.0	3090				1840	1570	130				0.016	3.60	10								
19	23.41			7.2	7.1				7.0				286.0		5.0				254.0		18.0	3650				2220	1870	140				0.016	3.30	2								
20	23.92			6.8	7.2				7.0				264.0		4.0				164.0		9.0	3210				1930	1650	140				0.016	3.10	2								
21	22.04			6.8	7.0				7.0				250.0		3.0				144.0		6.0	3940				2030.00	1740	140				0.016	2.80	2								
22	21.93			7.2	7.2				7.0				188.0		4.0				172.0		7.0	2940				2120	1780	130				0.016	1.80	2								
23	21.16			7.2	7.2				7.0				220.0		3.0				197.0		6.0	3320				2420.00	2040	130				0.016	2.40	4								
24	21.45			7.0	7.1				7.0				372.0		5.0				310.0		9.0	3240				1680	1410	140			6.74	1.99	0.016	2.80	2	34	18					
25	22.14			7.0	7.2				7.0				296.0		5.0				246.0		8.0	3140				2420	2070	160				0.016	2.80	2								
26	38.10			6.9	7.0				7.0				404.0		11.0				298.0		29.0	16900				1130	940	90				0.016	4.00	2								
27	31.52			6.8	7.1				7.0				384.0		4.0				339.0		7.0	3240				1690	1410	120				0.016	1.70	6760								
28	25.36			7.0	6.9				7.0				182.0		4.0				244.0		17.0	3620				1950	1640	130				0.016	2.00	7								
29	23.33			7.3	7.1				7.0				186.0		4.0				136.0		17.0	3320				2160	1790	140				0.016	2.70	24200								
30	23.18			7.2	7.1				7.0				176.0		4.0				143.0		6.0	3220				2040	1720	140				0.016	2.30	2								
31	20.08			7.0	7.3				7.0				204.0		4.0				196.0		6.0	2460				1830	1500	110				0.016	3.30	2								
Total	997.8	0	0																			0.0																				
Avg.	32.19			7.0	7.2				7.0				325.5		4.6				242.3		10.7	3871.94				2129.03	1752.90	141.94			7.66	1.53	0.016	2.92	5	33	14					

Industrial Connections: 36173 Flow 203802 BOD 279850 TSS 313404
 Sewer Connections X 3 = 1907 Flow 18 BOD 18 TSS 102744
 Operator Kendrietta Hayes
 Cert. # 25850
 Phone # 502-540-6000