



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

August 12, 2022

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 July 2022.**

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 July 2022.

There were no bypasses, overflow or exceedances 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 07/22

Enclosures

cc: B. Tinnell
V. Graves
M. Saylor

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								=	10.0	=	27.0	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					=	98.0						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
202207_DRG_COVERLETTER.pdf	pdf	36105.0
202207_DRG_MOR.pdf	pdf	129581.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User: kevin.thompson@louisvillemisd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemisd.org
Date/Time: 2022-08-12 10:29 (Time Zone: -04:00)

Report Last Signed By

User: kevin.thompson@louisvillemisd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemisd.org
Date/Time: 2022-08-17 09:58 (Time Zone: -04:00)

Name of Sewage Treatment Plan West County WTP County Jefferson Month of: July 2022
 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. Coll (%/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	Gal/Day	MLSS mg/L X 1000	Gal/Day X 1000	Chlorine (mg/L) #1	Oxygen (mg/L) #2	(mg/L) X 1000	MLVSS (mg/L) X 1000	30 min. SVI	60 min. SVI	% Solids				Raw	Final		Raw	Final									
1	20.96			7.2	7.2				7.0		480.0		7.0			321.0		6.0		6480						4340																					
2	17.81			7.2	7.2				7.0		264.0		4.0		349.0		5.0		4840							3620		240																			
3	19.40			7.3	7.2				7.0		342.0		3.0		247.0		6.0		5060						4240	3380	200																				
4	21.49			7.1	7.2				6.8		1280.0		6.0		633.0		6.0		4660						3600		200		28.50	3.89	0.016	0.20	2	62	15												
5	21.26			6.9	7.0				7.0		533.0		5.0		365.0		7.0		5140						3140		180																				
6	23.14			7.2	7.3				6.8		474.0		6.0		319.0		16.0		5980						3180		180																				
7	21.91			7.0	7.1				7.0		446.0		5.0		326.0		11.0		4220						2620		140																				
8	29.64			7.2	7.1				7.0		444.0		7.0		302.0		13.0		5260						2940		190																				
9	23.86			7.2	7.1				6.8		362.0		5.0		335.0		6.0		4800						3500																						
10	23.41			7.2	7.1				7.0		410.0		8.0		272.0		8.0		6000						3840	3180	170		12.10	2.82	0.016	0.62	107	40	14												
11	22.83			7.2	7.1				7.0		773.0		5.0		489.0		46.0		4840						2760		150																				
12	21.95			7.0	7.0				7.0		573.0		6.0		332.0		14.0		5280						3520		150																				
13	19.73			7.3	7.0				6.7		488.0		6.0		313.0		9.0		5480						3480		160																				
14	20.10			7.3	7.2				7.0		562.0		7.0		422.0		9.0		5500						3140		170																				
15	19.34			7.1	7.2				6.5		430.0		5.0		331.0		6.0		5100						3300		170																				
16	19.10			7.3	7.2				6.7		674.0		6.0		477.0		6.0		5360						3280		170																				
17	19.28			7.1	7.2				6.7		988.0		8.0		542.0		8.0		5040						3520	2840	150		21.90	2.91	0.016	0.77	18	71	16												
18	48.05			7.0	7.2				7.0		930.0		11.0		453.0		13.0		6740						2740		140																				
19	27.47			7.1	7.0				7.0		560.0		6.0		305.0		5.0		5860						5140		180																				
20	23.13			7.0	7.0				7.0		824.0		5.0		501.0		6.0		4840						3180		150																				
21	22.26			7.2	7.3				7.0		712.0		5.0		459.0		5.0		5140						2860.00		160																				
22	20.39			7.2	7.2				7.0		650.0		4.0		425.0		6.0		4740						3560		180																				
23	19.58			7.0	7.3				7.0		684.0		4.0		519.0		6.0		5180						2860.00		190																				
24	20.17			7.1	7.1				7.0		776.0		5.0		1030.0		6.0		4020						3020	2440	170		16.80	2.23	0.016	0.34	618	65	14												
25	28.90			7.0	7.1				7.0		920.0		7.0		454.0		8.0		8040						3300		150																				
26	52.44			7.1	7.1				7.1		660.0		8.0		241.0		13.0		5440						3780		175																				
27	39.05			7.2	7.1				7.0		833.0		4.0		545.0		6.0		5560						3320		190																				
28	26.39			7.0	7.3				7.1		1070.0		3.0		806.0		4.0		4520						4240		195																				
29	40.77			7.0	7.0				6.9		768.0		4.0		586.0		7.0		6680						3320		160																				
30	23.25			7.2	7.2				6.7		880.0		3.0		622.0		5.0		5520						3440		220																				
31	77.25			7.1	7.2				6.2		448.0		7.0		233.0		8.0		4600						3480	2820	210																				
Total	834.3	0	0															0.0				0.0																									
Avg.	26.91			7.1	7.1				6.9		652.8		5.6		437.2		9.0		5352.26							3427.74	2932.00	177.10		19.83	2.96	0.016	0.82	10	58	15											

---		36173	---		Operator	Kendrietta Hayes
---		34248				
---		1907	153562	474515	Cert. #	25850
Industrial Connections:	18	Flow	BOD	595007	Phone #	502-540-6000
Sewer Connections X 3 =	102744			TSS		