



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

August 8, 2023

Ms. Crystal Dennis
Kentucky Division of Water
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**Re: Derek Guthrie Water Quality Treatment Center
KPDES Permit No. KY0078956,
Discharge monitoring report for July 2023.**

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 2023.

There were no bypasses, exceedances or overflows.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5858.

Sincerely,

Staci Huber
Process Supervisor, West Region

SMH/West County 7/23

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						=	9.0	=	17.0	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
DRGMOR0723.pdf	pdf	138262.0
DRGCoverletter.pdf	pdf	36024.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2023-08-10 10:13 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2023-08-10 11:38 (Time Zone: -04:00)

Name of Sewage Treatment Plant: West County WTP County: Jefferson Month of: July 2023
 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		Chlorine Residual (mg/L)		NH3-N (mg/L)		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	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	Raw	Final	Raw	Final	Raw	Final	Raw	Final			
		1	38.15			7.4	7.3					6.6			436.0			5.0				319.0			8.0			3760	3070	240						0.016	1.10		2				
2	69.31			7.4	7.3					6.7			544.0			7.0				326.0			7.0			6140								0.016	1.00		33						
3	73.49			7.3	7.2					6.7			504.0			8.0				316.0			9.0			8580								0.016	0.88		35						
4	36.41			7.4	7.4					7.2			544.0			4.0				260.0			3.0			6500								0.016	0.88		35			15	7		
5	33.74			7.3	7.5					7.4			416.0			5.0				305.0			3.0			9600								0.016	0.34		34						
6	28.15			7.4	7.5					7.6			496.0			6.0				348.0			4.0			6960								0.016	0.60		7						
7	25.25			7.6	7.4					7.3			580.0			5.0				353.0			3.0			6920								0.016	0.91		27						
8	25.20			7.4	7.3					7.0			564.0			4.0				373.0			9.0			7000								0.016	0.85		28						
9	49.68			7.4	7.5					7.6			488.0			9.0				458.0			13.0			10900								0.016	1.20		133						
10	23.99			7.5	7.4					6.7			404.0			5.0				263.0			4.0			6340								0.016	1.20		20	34		9			
11	24.06			7.3	7.3					6.4			716.0			4.0				517.0			8.0			7180								0.016	1.50		2						
12	22.67			7.7	7.6					6.5			736.0			4.0				549.0			6.0			6980								0.016	1.50		2						
13	22.00			7.3	7.4					6.3			588.0			4.0				620.0			4.0			5840								0.016	6.50		2						
14	22.09			7.4	7.3					6.0			632.0			4.0				439.0			5.0			6220								0.016	0.55		10						
15	24.78			7.3	7.3					6.3			504.0			3.0				377.0			4.0			6440								0.016	0.90		2						
16	24.67			7.3	7.4					7.0			552.0			4.0				333.0			5.0			6300								0.016	0.70		57						
17	23.29			7.3	7.3					6.6			592.0			5.0				361.0			3.0			6500								0.016	0.56		2	42		12			
18	25.14			7.4	7.6					6.5			632.0			4.0				415.0			8.0			6780								0.016	1.60		2						
19	46.51			7.3	7.2					6.0			576.0			8.0				353.0			10.0			7420								0.016	2.00		80						
20	27.01			7.4	7.6					6.0			504.0			5.0				342.0			11.0			5680								0.016	1.20		13						
21	24.77			7.4	7.6					6.7			596.0			5.0				383.0			7.0			5380								0.016	0.94		2						
22	22.38			7.4	7.4					6.7			760.0			6.0				483.0			8.0			6020								0.016	1.00		2						
23	21.50			7.4	7.3					5.9			908.0			6.0				492.0			10.0			5640								0.016	0.91		30						
24	22.04			7.3	7.1					6.0			1020.0			7.0				514.0			5.0			5180								0.016	0.56		52	65		13			
25	21.24			7.3	7.2					6.4			996.0			8.0				596.0			13.0			4980								0.016	1.70		2						
26	22.30			7.2	7.2					6.0			976.0			7.0				580.0			17.0			4600								0.016	2.70		2						
27	22.78			7.3	7.3					6.0			564.0			9.0				242.0			9.0			4800								0.016	2.10		4						
28	19.74			7.4	7.3					6.0			392.0			9.0				244.0			15.0			2920								0.016	2.20		2						
29	18.37			7.4	7.2					6.2			816.0			9.0				491.0			15.0			2940								0.016	2.20		2						
30	20.92			7.4	7.2					6.0			768.0			10.0				533.0			13.0			2260								0.016	1.90		2						
31	20.67			7.3	7.0					6.0			1390.0			9.0				879.0			14.0			3580								0.016	1.90		53						
Total	902.3	0	0																																								
Avg.	29.11			7.4	7.3					6.5			651.4			6.1				421.4			8.2			6088.39								0.016	1.35		9	34		10			

Industrial Connections: 36173 Flow 174455 BOD 499001 TSS 650244
34248
1907
18
 Sewer Connections X 3 = 102744

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