



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

September 17, 2024

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 August 2024.**

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 August 2024.

There were no bypasses, overflows or exceedances.

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 8/24

Enclosures

cc: B. Tinnell
V. Graves
M. Saylor

					Value NODI																	
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	0	--	Sample																	
					Permit Req.																	
					Value NODI																	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	40.284	=	66.876	03 - MGD												
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD												
					Value NODI																	
50050	Flow, in conduit or thru treatment plant	G - Raw Sewage Influent	0	--	Sample	=	40.83	=	65.939	03 - MGD												
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD												
					Value NODI																	
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample																	
					Permit Req.																	
					Value NODI																	
51040	E. coli	1 - Effluent Gross	0	--	Sample																	
					Permit Req.																	
					Value NODI																	
81010	BOD, 5-day, percent removal	K - Percent Removal	0	--	Sample																	
					Permit Req.																	
					Value NODI																	
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample																	
					Permit Req.																	
					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
DRGcoverletter.pdf	pdf	42644.0
DRGMOR.pdf	pdf	145960.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User: staci.huber@louisvillemmsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemmsd.org
 Date/Time: 2024-09-17 11:12 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemmsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemmsd.org
 Date/Time: 2024-09-19 07:32 (Time Zone: -04:00)

Name of Sewage Treatment Plan

West County WTP

Jefferson

Month of:

August

2024

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 (mg/L) #1	Oxygen (mg/L) #2	(mg/L) X1000 #1	MLVSS (mg/L) X1000	30 min. SVI	60 min. SVI	% Solids	Raw	Final	Chlorine Residual (mg/L)	NH3-N (mg/L)	I.E. Coll (MPN)	Raw	Final	Final													
1	91.28			7.1	7.3					5.2		292.0		11.0		236.0		24.0	43.123	6300	940000					2720	2260	170				6.59	0.30	0.016	3.20	5240															
2	103.83			6.9	7.3					5.4		196.0		8.0		196.0		9.0	45.994	6560	970000					2480	2000	170										28	5												
3	72.25			7.3	7.5					5.6		436.0		7.0		213.0		5.0	36.6	6680	990000					3220	2620	180																							
4	58.08			7.2	7.6					6.0		380.0		5.0		200.0		5.0	35.014	6200	1000000					2890	2310	180																							
5	51.98			7.2	7.2					5.9		672.0		4.0		342.0		4.0	30.026	6760	1000000					3770	3040	200																							
6	46.22			7.1	7.3					5.8		772.0		4.0		363.0		7.0	27.519	6400	1167500					3200	2570	200																							
7	44.50			7.0	7.4					5.8		800.0		4.0		469.0		5.0	27.677	5760	1179000					3550	2860	200																							
8	41.39			7.2	7.2					5.7		1100.0		4.0		576.0		7.0	27.64	7060	1011900					3460	2790	225																							
9	38.90			7.2	7.3					5.6		3380.0		6.0		1230.0		8.0	27.588	7400	978000					3690	3020	240			8.80	1.11	0.016	2.40	4	33	10														
10	35.65			7.2	7.3					5.9		2290.0		5.0		988.0		5.0	27.232	5780	980000					3300	2670	220																							
11	35.65			6.9	7.1					6.0		2390.0		5.0		926.0		5.0	28.782	6000	988000					3210	2600	210																							
12	35.33			7.2	7.2					5.6		2050.0		5.0		947.0		6.0	28.015	6460	1006000					3830	3120	250																							
13	34.11			7.0	7.0					5.7		1920.0		4.0		1070.0		8.0	27.964	6580	1038700					3470	2820	250																							
14	23.27			7.0	7.2					5.5		1090.0		4.0		1090.0		7.0	29.446	6180	1005200					3560	2930	240																							
15	33.88			7.2	7.4					5.3		588.0		4.0		378.0		6.0	29.406	6660	1015000					4300	3540	230																							
16	36.34			7.1	7.2					5.0		560.0		5.0		406.0		6.0	33.881	6560	1092600					3680	3040	240			1.60	0.71	0.016	1.80	18	33	9														
17	34.59			7.1	7.2					5.5		976.0		5.0		552.0		9.0	29.795	7100	1004500					4090	3390	250																							
18	33.20			7.2	7.2					5.2		984.0		4.0		505.0		6.0	29.719	6440	1026200					3770	3130	250																							
19	35.99			7.2	7.3					5.7		784.0		5.0		478.0		6.0	25.83	6680	1024100					3960	3300	240																							
20	33.83			7.2	7.3					5.7		740.0		6.0		553.0		8.0	19.026	5560	1022000					3240	2690	240																							
21	31.70			7.1	7.3					5.6		660.0		8.0		525.0		11.0	16.687	7120	1000900					3020.00	2490	200																							
22	30.49			7.4	7.2					5.8		1020.0		10.0		588.0		13.0	17.224	7820	916200					3760	3140	210																							
23	30.67			7.0	7.0					5.7		1100.0		11.0		587.0		21.0	18.147	8120	950700					6390.00	5350	210			17.50	0.86	0.016	5.00	2	71	13														
24	29.87			7.2	7.2					5.5		1340.0		6.0		646.0		9.0	19.158	6800	1037000					3100	2670	200																							
25	30.84			7.3	7.2					5.5		716.0		6.0		426.0		10.0	22.438	6420	1041200					3500	2890	230																							
26	23.40			7.0	6.9					5.1		264.0		6.0		324.0		7.0	20.428	6580	1007200					3690	3050	240																							
27	31.34			7.1	7.4					5.9		644.0		6.0		493.0		8.0	20.283	6560	1163000					3370	2810	230																							
28	30.66			7.1	7.2					5.9		208.0		5.0		691.0		10.0	20.29	6400	1108500					3500	2900	240																							
29	30.28			7.3	7.3					5.7		296.0		5.0		380.0		10.0	20.183	6760	1326900					4760	3990	230																							
30	30.20			7.1	7.0					5.7		716.0		4.0		622.0		7.0	21.201	6840	1602900					3330	2800	240																							
31	29.10			7.2	7.1					5.8		988.0		5.0		604.0		8.0	22.385	6080	701900					3260	2720	200																							
Total	1248.8	0	0																	828.7																															
Avg.	40.28			7.1	7.2					5.6		988.3		5.7		588.2		8.4	26.73	6600.65	1041777.42					3582.90	2951.94	219.84																							

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

Flow

BOD

TSS

Operator

Cert. #

Phone #

Gary Phelps _____
 30428 _____
 502-540-6000 _____