



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

December 11, 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 November 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 November 2023.

There were no overflows, bypasses 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 12/23

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						=	5.0	=	5.0	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
DRGcoverLetter.pdf	pdf	38968.0
DRGMOR.pdf	pdf	141349.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User: CURT.OTTO@LOUISVILLEMSD.ORG
 Name: Curt Otto
 E-Mail: curt.otto@louisvillemisd.org
 Date/Time: 2023-12-12 09:58 (Time Zone: -05:00)

Report Last Signed By

User: staci.huber@louisvillemisd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemisd.org
 Date/Time: 2023-12-12 10:59 (Time Zone: -05:00)

Name of Sewage Treatment Plant West County WTP Jefferson County Month of: November 2023
 KPDES Permit Number: KY0078956 Plant Capacity: 30 MGD Receiving Stream: Ohio River

Date	Total Flow (MG) <small>1000 gpd</small>	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	Raw	MLSS mg/L X 1000	WAS Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	(mg/L) X1000 #1 & #2	MLVSS (mg/L) X1000	30 min. SVI	60 min. SVI	% Solids	Raw	Final	Chlorine Residual (mg/L)	NH3-N (mg/L)	E. Coli (MPN)	Raw	Final	Final							
1	25.99			7.2	7.2					6.9			1130.0			7.0			618.0			6.0	15.622	9220	1224800									0.016	2.10	2									
2	22.85			7.3	7.0					6.5			984.0			12.0			528.0			9.0	13.485	7300	1215700							20.40	2.43	0.016	3.00	2									
3	19.87			7.2	7.1					7.1			1320.0			10.0			947.0			9.0	13.319	6620	1225300									0.016	2.90	2									
4	19.08			7.2	7.5					6.9			1060.0			9.0			647.0			9.0	19.082	5920	1130200									0.016	2.60	2									
5	19.35			7.1	7.2					6.7			988.0			8.0			732.0			14.0	13.48	5120	1023400									0.016	2.70	2									
6	31.46			7.2	7.0					6.6			168.0			9.0			266.0			10.0	13.416	5460	1359400									0.016	2.90	38	31	22							
7	27.35			7.1	7.4					6.5			960.0			12.0			624.0			17.0	13.21	5930	1369300									0.016	5.00	25									
8	24.92			7.1	7.0					6.7			1000.0			9.0			659.0			17.0	13.65	7130	1274400									0.016	2.50	24									
9	19.10			7.2	7.1					6.4			1150.0			7.0			652.0			20.0	13.467	4860	1317700							18.60	3.12	0.016	4.70	2									
10	18.45			7.3	7.0					6.2			976.0			5.0			664.0			17.0	13.635	4660	1201300									0.016	4.10	2									
11	17.31			7.2	7.6					6.0			916.0			9.0			648.0			14.0	13.208	4040	1472000									0.016	4.80	2									
12	18.44			7.3	7.0					6.0			996.0			10.0			643.0			10.0	14.446	4100	1407300									0.016	3.90	2									
13	18.17			7.4	7.2					5.2			1040.0			12.0			684.0			13.0	13.216	4340	1400300									0.016	4.10	2	73	19							
14	20.34			7.1	7.0					7.1			1080.0			11.0			949.0			12.0	13.105	5230	1400200									0.016	3.90	40									
15	19.09			7.2	7.3					6.7			1350.0			8.0			752.0			15.0	11.588	4170	1212900									0.016	7.80	2									
16	18.69			7.3	7.4					6.3			1490.0			8.0			725.0			12.0	11.27	5100	1215300							24.30	3.30	0.016	7.80	2									
17	16.15			7.3	7.4					6.0			504.0			9.0			498.0			12.0	11.6	4260	901000									0.016	8.10	7									
18	14.25			7.2	7.2					6.3			996.0			7.0			628.0			12.0	11.58	3980	901000									0.016	9.80	2									
19	14.32			7.0	7.3					5.7			980.0			9.0			638.0			16.0	11.572	3080	915200									0.016	8.30	2									
20	18.95			7.1	7.2					5.4			912.0			10.0			586.0			16.0	18.959	5380	1015800									0.016	10.00	9	52	14							
21	60.39			7.1	7.4					5.8			1340.0			13.0			868.0			23.0	24.187	7020	808700									0.016	7.50	98									
22	35.31			7.1	7.2					6.9			620.0			16.0			304.0			30.0	20.175	6180	800000							12.70	1.26	0.016	7.70	4									
23	17.87			7.3	7.3					7.0			884.0			10.0			643.0			18.0	13.344	6160	800200									0.016	4.60	2									
24	20.45			7.3	7.3					6.8			928.0			10.0			664.0			16.0	10.587	6360	800700									0.016	7.20	2									
25	21.32			7.2	7.5					6.7			1020.0			11.0			1010.0			18.0	11.108	9100	701000									0.016	8.80	2									
26	19.27			7.2	7.6					7.0			904.0			12.0			710.0			24.0	10.429	6920	854600									0.016	7.90	2									
27	20.88			7.2	7.2					6.7			1080.0			11.0			540.0			16.0	10.358	5120	857600									0.016	8.40	2	79	19							
28	28.38			7.2	7.1					7.0			1830.0			11.0			836.0			18.0	10.22	7620	914300									0.016	8.40	19									
29	27.23			7.1	7.3					6.4			1020.0			16.0			635.0			25.0	10.363	6720	927700									0.016	12.00	98									
30	19.01			7.3	7.1					7.0			1070.0			8.0			661.0			20.0	11.463	6420	1144000									0.016	9.20	2									
31																																													
Total	674.3	0	0																																										
Avg.	22.48			7.2	7.2					6.5			1023.2			10.0			665.3			15.6	13.50	5784.00	1099043.33									2670.67	2213.00	148.80			19.00	2.53	0.016	6.09	5	55	18

Industrial Connections: 18 Sewer Connections X 3 = 102744 Flow 111306 BOD 630824 TSS 810555
 Operator Gary Phelps Cert. # 30428 Phone # 502-540-6000