



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

December 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 November 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 November 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 11/21
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										=	22.0	=	36.0	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										=	98.0			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
SDRG-ADMIN-21122008591.pdf	pdf	131685.0
SDRG-ADMIN-21122008590.pdf	pdf	36026.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
 Name: William Ford
 E-Mail: william.ford@louisvillemsd.org
 Date/Time: 2021-12-20 11:28 (Time Zone: -05:00)

Report Last Signed By

User: kevin.thompson@louisvillemsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemsd.org
 Date/Time: 2021-12-20 13:10 (Time Zone: -05:00)

Name of Sewage Treatment Plan West County WTP Jefferson County Month of November 2021
 KPDES Permit Number: KY0078956 Plant Capacity: 30 MGD Receiving Stream: Ohio River

Date	Total Flow (MG) <small>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		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) X 1000 #1	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	30.91			6.8	7.4				7.0				350.0		7.0				203.0		6.0		4100				2180	1800	150				10.30	1.84	0.016	0.33	15	30	13				
2	26.93			6.9	7.2				7.0				356.0		6.0				249.0		6.0		4680				2520	2020	150						0.016	0.69	12						
3	25.57			7.3	7.6				7.0				220.0		6.0				159.0		13.0		4220				2620	2000	150						0.016	1.30	22						
4	24.07			7.1	7.3				7.0				260.0		6.0				219.0		6.0		3660				2140	1720	150						0.016	0.36	23						
5	23.28			7.3	7.4				7.0				237.0		5.0				196.0		12.0		3500				2120	1600	140						0.016	0.22	129						
6	22.00			6.2	7.2				7.0				163.0		5.0				139.0		8.0		3700				2110	1680	150						0.016	0.71	449						
7	22.05			6.9	7.0				7.0				320.0		6.0				259.0		4.0		3430				1850	1510	150						0.016	0.88	15						
8	22.50			7.0	7.1				7.0				347.0		5.0				271.0		10.0		3440				2360	1880	150		6.17	2.60	0.016	0.55	2	38	17						
9	22.40			7.0	7.1				7.0				300.0		5.0				289.0		17.0		3360				2400	1860	130						0.016	1.00	72						
10	21.14			7.3	7.5				7.0				210.0		6.0				130.0		12.0		4020				2320	1880	140						0.016	0.52	2						
11	28.04			7.3	7.4				7.0				233.0		8.0				145.0		13.0		3320				2220	1780	130						0.016	2.40	452						
12	27.03			7.3	7.4				7.0				232.0		5.0				145.0		6.0		4260				2900	2300	120						0.016	1.40	7						
13	25.61			7.0	7.3				7.0				168.0		6.0				140.0		8.0		3240				2340	1890	140						0.016	1.20	21						
14	25.52			7.1	7.1				7.0				840.0		8.0				508.0		6.0		3440				2090	1750	130						0.016	1.10	79						
15	23.58			6.9	7.0				7.0				344.0		9.0				298.0		19.0		3520				2020	1620	130		10.00	2.44	0.016	2.60	4	39	17						
16	24.23			6.9	7.3				7.0				350.0		6.0				228.0		10.0		3720				1760	1340	100						0.016	1.90	2						
17	24.94			7.3	7.1				7.0				356.0		4.0				293.0		3.0		4180				1820	1420	100						0.016	1.60	2						
18	33.71			7.1	7.0				7.0				210.0		5.0				137.0		7.0		4300				1940	1560	130						0.016	1.20	4						
19	28.65			6.7	7.2				7.0				183.0		5.0				153.0		7.0		4380				2500	1900	140						0.016	0.51	106						
20	25.12			6.9	6.8				7.0				130.0		6.0				137.0		7.0		4170				2200	1750	150						0.016	0.70	198						
21	30.64			6.9	7.0				7.0				237.0		8.0				189.0		8.0		4100				2310.00	1860	150						0.016	1.10	69						
22	32.30			6.9	7.3				7.0				217.0		6.0				165.0		6.0		2820				2220	1740	130						0.016	0.30	2	25	15				
23	30.04			7.2	6.9				7.0				728.0		7.0				450.0		7.0		2300				2120.00	1620	100						0.016	0.82	10						
24	28.04			6.8	7.3				7.0				200.0		5.0				149.0		7.0		4320				2620	2120	170						0.016	0.75	30						
25	29.89			7.1	7.1				7.0				348.0		5.0				292.0		7.0		3940				2420	1960	150						0.016	0.99	1280						
26	29.54			7.0	6.9				7.0				242.0		6.0				169.0		7.0		4300				2800	2340	160						0.016	0.63	89						
27	27.02			6.9	7.2				7.0				195.0		5.0				199.0		6.0		4000				1820	1410	170						0.016	0.49	11						
28	27.38			6.9	7.1				8.0				360.0		7.0				267.0		8.0		3760				3100	2480	160						0.016	0.77	35						
29	27.34			7.0	7.3				8.0				250.0		9.0				349.0		11.0		4080				2720	2140	150						0.016	1.30	46						
30	24.34			7.0	7.2				7.0				808.0		8.0				435.0		11.0		4320				2280	1780	140						0.016	1.60	2						
31																																											
Total	793.8	0	0																				0.0		0.0																		
Avg.	26.46			7.0	7.2				7.1				313.1		6.2				232.1		8.6		3819.33				2294.00	1823.67	140.33						8.10	2.16	0.016	1.00	22	32	15		

Industrial Connections: 36173 Flow 198504 BOD 226312 TSS 18
 Sewer Connections X 3 = 102744

Operator Kendrietta Hayes
 Cert. # 25850
 Phone # 502-540-6000