



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

November 15, 2022

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 October 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 October 2022.

There were no bypasses or exceedances for the Derek Guthrie WQTC.

Also attached is an overflow report.

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 10/22

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	=	14.0	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															=	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
202210_DRG_Coverletter.pdf	pdf	36562.0
202210_DRG_Dischargereports.pdf	pdf	57189.0
202210_DRG_MOR.pdf	pdf	131101.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User: kevin.thompson@louisvillemsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemsd.org
 Date/Time: 2022-11-18 13:58 (Time Zone: -05:00)

Report Last Signed By

User: kevin.thompson@louisvillemsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemsd.org
 Date/Time: 2022-11-18 13:58 (Time Zone: -05:00)

Name of Sewage Treatment Plant West County WTP Jefferson County Month of October 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			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	Chlorine Residual (mg/L)	NH3-N (mg/L)	E. Coli (MPN)	Raw	Final	Final	Final
1	18.26			7.2	7.2				6.8	444.0		6.0				330.0		9.0		3480					4260		100					0.016	0.85	4					
2	18.62			7.3	7.2				7.5	504.0		7.0				304.0		9.0		3400					2220		1800		120		14.70	3.75	0.016	0.74	2	49	22		
3	18.95			7.0	6.9				7.1	624.0		6.0				308.0		9.0		4060					1960							0.016	0.56	7					
4	17.57			7.7	6.9				6.7	710.0		9.0				271.0		14.0		4000					2800							0.016	0.83	498					
5	17.45			6.5	7.4				7.0	464.0		5.0				265.0		9.0		3880					2940							0.016	0.56	11					
6	18.58			7.2	7.3				6.5	710.0		5.0				372.0		10.0		4200					2700							0.016	1.30	7					
7	17.64			7.2	6.8				6.7	668.0		5.0				377.0		8.0		3780					2880							0.016	1.20	2					
8	17.06			7.2	7.2				6.5	680.0		6.0				282.0		9.0		3080					2420							0.016	1.60	6					
9	17.47			7.3	7.1				6.3	748.0		8.0				544.0		8.0		3560					2140		1740		120		15.60	2.69	0.016	1.20	2	59	21		
10	18.36			7.3	7.0				6.6	727.0		10.0				563.0		25.0		4080					1860							0.016	2.00	2					
11	18.31			7.2	7.1				6.7	813.0		7.0				490.0		23.0		3220					2400							0.016	1.20	820					
12	19.35			7.0	7.1				7.2	612.0		8.0				366.0		13.0		3260					4220							0.016	1.70	2					
13	18.32			7.2	7.2				6.9	736.0		7.0				466.0		14.0		3400					12900							0.016	1.90	2					
14	17.19			7.0	7.0				7.0	716.0		7.0				396.0		16.0		3520					1980							0.016	2.00	4					
15	17.61			7.3	7.1				6.8	628.0		9.0				431.0		12.0		3560					2000							0.016	2.30	95					
16	18.08			7.1	7.0				6.5	896.0		14.0				535.0		17.0		3880					1960		1580		100		4.22	18.70	0.016	3.10	32				
17	19.99			7.2	7.1				6.5	773.0		10.0				500.0		12.0		3600					1880							0.016	2.20	7					
18	25.24			7.2	6.9				7.1	260.0		15.0				303.0		40.0		4880					2100							0.016	6.70	7					
19	23.04			7.1	7.1				6.9	748.0		8.0				498.0		20.0		5380					2220							0.016	3.80	43					
20	16.73			7.4	7.1				6.7	716.0		10.0				553.0		18.0		4100					2600							0.016	3.00	2					
21	18.26			6.9	7.0				7.0	1080.0		8.0				548.0		8.0		4640					2380.00							0.016	1.20	4					
22	17.83			7.2	7.0				6.7	688.0		9.0				504.0		10.0		4440					2420							0.016	1.50	9					
23	17.44			7.4	7.0				6.7	732.0		15.0				513.0		14.0		4120					3380.00		2700		120		15.90	4.16	0.016	1.50	17	57	23		
24	22.72			7.2	7.1				6.8	892.0		10.0				428.0		14.0		4420					2300							0.016	0.94	31					
25	19.63			7.1	7.3				6.5	880.0		19.0				478.0		23.0		3640					2640							0.016	3.20	21					
26	36.08			6.5	6.9				6.5	596.0		12.0				336.0		17.0		5340					2280							0.016	3.00	19					
27	29.44			7.2	7.1				6.5	572.0		11.0				492.0		24.0		5340					3380							0.016	1.80	27					
28	17.89			7.0	7.0				7.3	764.0		10.0				467.0		19.0		4760					3600							0.016	0.78	2					
29	17.70			7.3	7.3				7.6	652.0		10.0				423.0		11.0		4720					3000							0.016	0.70	40					
30	24.85			7.2	7.1				6.8	660.0		18.0				304.0		20.0		4960					3400		2760					0.016	3.60	4					
31	31.71			7.0	7.0				6.6	328.0		16.0				202.0		25.0		6240					2960							0.016	1.60	2					
Total	626.4	0	0																		0.0																		
Avg.	20.21			7.1	7.1				6.8	677.5		9.7				414.5		15.5		4159.35					2973.55	2116.00	116.13				12.61	7.33	0.016	1.89	10	55	22		

_____ 36173 _____ Operator _____ Gary Phelps
 _____ 34248 _____
 _____ 1907 _____ 89696 Flow _____ 308131 _____ 440894 _____ Cert. # _____ 30428
 Industrial Connections: _____ 18 _____ BOD _____ TSS _____ Phone # _____ 502-540-6000
 Sewer Connections X 3 = _____ 102744 _____



**IMSAST0004
Overflow Report
10/1/2022 12:00:00 AM to 10/31/2022 12:00:00 AM**

KPDES #	Facility ID	Water Quality Treatment Center		Receiving Stream of Discharge	Region						
KY0078956	MSD0277	DEREK R. GUTHRIE		OHIO RIVER	NA						
Facility Type	Facility ID	Facility Address	If Pump Station, Name of Station	Receiving Stream	Discharge To						
Sewer Service Line	124294801	4801 TEANECK LN	DEREK R. GUTHRIE	CANE RUN	GROUND						
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	3576667		10/28/2022 11:40:00 AM	GRIGSBY JR		REPAIRED - ISSUE RESOLVED	10/28/2022 12:00:00 AM	OBSTRUCTION-NOT GREASE / ROOTS	UNAUTHORIZED DISCHARGE-WATERS	10/28/22 02:15 PM	LAT

Discharge Reporting:

Discharge Amount:	1,550 GAL
Cause:	UNKNOWN OBSTRUCTION.
Clean Up:	REFERRED FOR OVER FOR AREA SANSUP FOR CLEAN UP.
Control Zone:	ADVISED NEAR BY CUSTOMER TO AVOID DIRECT WITH SEWAGE.
Impact:	OBSERVED BY MSD PERSONNEL.
Repair:	PUMPS SHUT OFF TO STOP DISCHARGE. CONTRACTOR REPAIRED LINE BREAK.
Public Notification:	PLACED DOOR CARDS ON NEAR BY HOMES.

Notifications:

10/29/22 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO: DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
------------------	--------	--