



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

August 19, 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 July 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 July 2021.

There were no exceedances or overflow reports for the Derek Guthrie WQTC.

Also attached is an bypass report for the month of July.

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 07/21
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							=	19.0	=	45.0	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							=	97.0			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
202107_DRG_Coverletter.pdf	pdf	37018.0
202107_DRG_MOR.pdf	pdf	131540.0
202107_DRG_dischargereport.pdf	pdf	61580.0

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: 2021-08-20 12:57 (Time Zone: -04:00)

Report Last Signed By

User: kevin.thompson@louisvillemsd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemsd.org
Date/Time: 2021-08-20 13:16 (Time Zone: -04:00)

Name of Sewage Treatment Plan

West County WTP

Jefferson

Month of:

July

2021

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	WAS	Return	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
1	56.46			7.0	7.1																																	
2	45.94			6.9	7.0																																	
3	29.92			6.9	7.0																																	
4	24.22			8.3	7.0																																	
5	24.26			7.1	7.3																																	
6	24.72			6.8	7.3																																	
7	23.79			7.2	7.0																																	
8	24.57			6.9	7.2																																	
9	21.67			6.9	7.2																																	
10	23.66			7.0	7.3																																	
11	47.80			7.0	7.0																																	
12	40.61			6.9	7.1																																	
13	37.35			6.9	7.1																																	
14	34.17			6.9	7.0																																	
15	26.77			7.0	7.1																																	
16	26.71			7.0	7.1																																	
17	63.45			6.8	7.0																																	
18	37.23			7.2	7.2																																	
19	34.05			6.9	7.2																																	
20	28.78			6.9	7.2																																	
21	25.84			7.0	7.2																																	
22	24.06			6.8	7.2																																	
23	22.61			6.9	7.1																																	
24	21.58			6.8	7.0																																	
25	21.15			6.8	7.4																																	
26	21.35			6.8	7.1																																	
27	21.27			6.8	7.2																																	
28	20.67			7.1	7.1																																	
29	21.16			6.7	7.0																																	
30	19.34			6.7	7.1																																	
31	17.69			7.2	7.3																																	
Total	912.9	0	0																																			
Avg.	29.45			7.0	7.1																																	

Industrial Connections: _____
 Sewer Connections X 3 = _____

36173
34248
1907
18

177702
Flow

364476
BOD

403594
TSS

Operator _____ Roy McCarty Jr. _____

Cert. # _____ 31503 _____

Phone # _____ 502-540-6000 _____



KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0078956	MSD0277	DEREK R. GUTHRIE	OHIO RIVER	NA

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPLSewer Treatment Plant	MSD0277	11621 LOWER RIVER RD		OHIO RIVER	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3398293		07/11/2021	ROY	ROY	REPAIRED - ISSUE RESOLVED	07/11/2021	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATERS	07/20/21 10:02 AM	

Discharge Reporting:

Discharge Amount:	500,000 GAL
Cause:	PLANT NOT SET UP TO HANDLE RAIN EVENT.
Clean Up:	LIME TO BE SPREAD ON GROUND AFTER RAIN STOPS.
Control Zone:	CAUTION TAPE AREA.
Impact:	SOLIDS ON GROUND AROUND CLARIFIERS 1 TO 6.
Repair:	4 CLARIFIERS AND 1 CONTACT CHANNEL ADDED TO SERVICE.
Public Notification:	N/A

Notifications:

7/11/21 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
7/11/21 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 2

Total Work Orders Printed: 2