



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

February 13, 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 January 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 January 2021.

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

Also attached are overflow reports.

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 01/21
Enclosures

cc: C. Roth
V. Graves
R. Shaw

80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	7302.0	=	8644.0	26 - lb/d	=	16.0	=	26.0	19 - mg/L	0	01/01 - Daily	24 - COMP24
					Permit Req.	<=	15021.0 MO AVG	<=	22532.0 MX WK AV	26 - lb/d	<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L		01/01 - Daily	24 - COMP24
					Value NODI													
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample	=		=			=	206.0	=	314.0	19 - mg/L	0	01/01 - Daily	24 - COMP24
					Permit Req.							Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		01/01 - Daily	24 - COMP24
					Value NODI													
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample	=		=			=	92.0			23 - %	0	01/01 - Daily	CA - CALCTD
					Permit Req.							>=	85.0 MO AV MN		23 - %		01/30 - Monthly	CA - CALCTD
					Value NODI													
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=		=			=	94.0			23 - %	0	01/01 - Daily	CA - CALCTD
					Permit Req.							>=	85.0 MO AV MN		23 - %		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
DRGDischargeReport.pdf	pdf	15345.0
2101_DRG_MOR.pdf	pdf	134285.0
2101_DRG_coverletter.pdf	pdf	38964.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User: kevin.thompson@louisvillemd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemd.org
Date/Time: 2021-02-22 14:25 (Time Zone: -05:00)

Report Last Signed By

User: staci.huber@louisvillemd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemd.org
Date/Time: 2021-02-22 14:27 (Time Zone: -05:00)



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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	25484	9317 LANTANA DR		PENNSYLVANIA RUN	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
: DISREV: RAIN EVENT DISCHARGE	3194026		01/11/2020	ROTTET JR	DENZIK	DOCUMENTE D	01/13/2013	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER PM	01/11/20 10:45	

Discharge Reporting:

Discharge Amount:	7,575 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE AROUND MANHOLE.
Repair:	RAIN STOPPED ALLOWING STATION TO RECOVER, STOPPING DISCHARGE.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

1/12/20 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
-----------------	--------	---



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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	60679	9114 CINDERELLA LN		FISHPOOL CREEK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
: DISREV: RAIN EVENT DISCHARGE	3194070		01/11/2020	ROTTET JR	MORRIS	DOCUMENTE D	12/15/2007	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER AM	01/12/20 02:15	

Discharge Reporting:

Discharge Amount:	12,550 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	TEMPORARY SIGNS PLACED AROUND IMPACTED AREA.
Impact:	SEWAGE/PERSONAL HYGIENE PRODUCTS FOUND AROUND MANHOLE.
Repair:	RAIN STOPPED ALLOWING STATION TO RECOVER AND DISCHARGE STOPPED.
Public Notification:	TEMPORARY SIGNS PLACED AROUND IMPACTED AREA.

Notifications:

1/12/20 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
1/12/20 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 2

Total Work Orders Printed: 2

Name of Sewage Treatment Plan

West County WTP

Jefferson

Month of:

January

2021

KPDES Permit Number:

KY0078956

Plant Capacity:

30 MGD

County

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	WAS	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)	Final	E. Coli (MPN)	Raw	Final	Final									
1	137.97			7.1	7.0					7.0			114.0		13.0				96.0		11.0						3780	2920	260					0.016	0.40	214													
2	113.32			6.9	6.8					7.0			174.0		8.0				127.0		10.0							2740	2160	200					0.016	0.50	35												
3	77.74			7.0	7.2					7.0			300.0		6.0				202.0		6.0							3690	2990	270		7.32	0.30	0.016	0.53	102	31	7											
4	67.65			7.0	7.0					7.0			308.0		8.0				175.0		12.0							4160	3240	330					0.016	1.10	9												
5	68.12			7.1	7.1					7.0			188.0		17.0				161.0		17.0							4220	3340	350					0.016	0.96	2												
6	53.82			7.2	7.1					7.0			196.0		8.0				194.0		10.0							3910	3200	320					0.016	0.88	21												
7	49.81			7.1	7.2					7.0			220.0		8.0				198.0		12.0							4270	3490	330					0.016	0.78	8												
8	49.41			7.0	7.0					7.0			322.0		12.0				256.0		20.0							4110	3260	340					0.016	2.20	13												
9	47.15			7.0	7.1					7.0			382.0		10.0				310.0		13.0							4340	3320	370					0.016	1.60	15												
10	44.32			7.0	7.0					7.0			236.0		8.0				192.0		12.0							4800	3800	410		5.37	0.30	0.016	0.88	260	24	8											
11	43.18			7.0	7.0					7.0			182.0		6.0				144.0		9.0							5080	4020	420			0.65	0.016	0.95	10			10										
12	42.33			7.2	7.1					7.0			244.0		7.0				233.0		14.0							4460	3570	390					0.016	1.30	2												
13	43.02			7.1	7.1					7.0			400.0		9.0				326.0		13.0							4330	3440	360					0.016	1.80	2												
14	41.81			7.2	7.2					7.0			308.0		8.0				267.0		12.0							4520	3550	370					0.016	1.20	21												
15	42.86			7.2	7.2					7.0			372.0		7.0				297.0		14.0							4020	3200	320					0.016	1.80	444												
16	39.21			7.3	7.2					7.0			468.0		10.0				387.0		14.0							4200	3320	330					0.016	1.20	15												
17	41.53			7.1	7.2					7.0			207.0		10.0				167.0		11.0							3880	3160	320					0.016	1.40	26												
18	42.09			6.9	7.1					7.0			344.0		10.0				326.0		13.0							3420	2980	310		9.11		0.016	1.10	60	36												
19	40.86			7.1	7.1					7.0			500.0		64.0				386.0		42.0							3230	2640	300					0.016	1.80	7												
20	39.54			6.8	6.8					7.0			348.0		34.0				291.0		29.0							3600	2880	280					0.016	2.40	367												
21	39.30			7.2	7.1					7.0			444.0		92.0				345.0		57.0							3400.00	2800	270					0.016	3.70	2												
22	37.63			7.0	7.1					7.0			300.0		6.0				232.0		6.0							3540	2880	260					0.016	2.10	13												
23	36.55			7.1	7.4					7.0			183.0		11.0				154.0		9.0							4300.00	3460	360					0.016	3.30	2												
24	37.39			7.2	7.1					7.0			284.0		16.0				198.0		19.0							4060	3460	360		3.14	2.09	0.016	4.50	2	28	12											
25	91.85			7.2	7.3					7.0			42.0		11.0				44.0		12.0							3780	3090	310					0.016	1.40	2												
26	109.30			7.0	7.1					7.0			118.0		12.0				99.0		18.0							2440	1960	180					0.016	1.50	211												
27	77.42			6.9	7.0					7.0			73.0		10.0				72.0		13.0							3150	2540	250		1.6		0.016	1.60	4						0.005							
28	67.86			7.0	7.0					7.0			150.0		10.0				114.0		13.0							3720	2990	290					0.016	2.10	2												
29	61.03			7.0	7.0					7.0			177.0		9.0				134.0		14.0							3460	2780	280					0.016	2.30	2												
30	57.54			7.0	7.0					7.0			155.0		12.0				169.0		15.0							3460	2700	280					0.016	2.60	10												
31	90.94			7.1	7.3					7.0			126.0		16.0				81.0		17.0							2680	2130	210					0.016	1.80	7												
Total	1832.5	0	0																																														
Avg.	59.11			7.1	7.1					7.0			253.7		15.1				205.7		15.7							8976.77	0.0	0.0					1.56	6.24	0.83	0.016	1.67	14	29	9	0.005						

Industrial Connections:
Sewer Connections X 3 =

36173
34248
1907
18
102744

460246 Flow
493827 BOD
492882 TSS

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