



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

March 17, 2020

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 February 2020.**

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 February 2020.

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 02/20
Enclosures

cc: C. Roth
V. Graves
R. Shaw

81011 Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	97.0	23 - %	01/30 - Monthly	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
DischargeReport_DRG_February2020.pdf	pdf	15322.0
0220_drg_mor.pdf	pdf	79291.0
0220_DRG_COVERLETTER.pdf	pdf	39819.0

Report Last Saved By

Derek R Guthrie WQTC MSD

User: kevin.thompson@louisvillemmsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemmsd.org
 Date/Time: 2020-03-18 08:43 (Time Zone: -04:00)

Report Last Signed By

User: WRIGHTDUANE
 Name: Duane Wright
 E-Mail: duane.wright@louisvillemmsd.org
 Date/Time: 2020-03-19 13:15 (Time Zone: -04:00)



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
SVSewer Valve	82091-V	5205 HASBROOK DR		FLOYDS FORK	GROUND

<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	3207738		02/05/2020	ROTTET JR	HUBER IV	REPAIRED - ISSUE RESOLVED	02/05/2020	MECHANICAL FAILURE	UNAUTHORIZED DISCHARGE-WATERS	02/05/20 11:30 AM	

Discharge Reporting:

Discharge Amount:	2,480 GAL
Cause:	MECHANICAL FAILURE OF AIR RELIEF VALVE.
Clean Up:	WO#3173353
Control Zone:	TEMPORARY SIGNS PLACED AROUND IMPACTED AREA.
Impact:	SEWAGE ON GROUND AROUND MANHOLE.
Repair:	SHUT OFF PUMPS AT HASBROOK PUMP STATION AND HAULED SEWAGE WHILE REPAIRS BEING MADE (REPAIR WO 3173353).
Public Notification:	TEMPORARY SIGNS PLACED AROUND IMPACTED AREA.

Notifications:

2/6/20 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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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
SLSSewer Lift Station	MSD0101-PS	9317 LANTANA DR	LANTANA DRIVE #1	PENNSYLVANIA RUN	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	3208896		02/12/2020	GRAY JR	CROTZER	DOCUMENTE D	03/18/2013	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	02/12/20 10:30 PM	

Discharge Reporting:

Discharge Amount:	7,500 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	MAGNITUDE OF STORM RESULTED IN NO DEBRIS REMAINING.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	DISCOLORATION OF STREAM.
Repair:	NOTHING NEEDED.
Public Notification:	ADVISED ALL POSSIBLE IMPACTED PROPERTIES IN THE SURROUNDING AREA IN PERSON.

Notifications:

2/13/20 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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Total Facilities Printed: 2

Total Work Orders Printed: 2

Name of Sewage Treatment Plant _____ West County WTP _____ Jefferson _____ Month of: _____ February _____ 2020
 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	Raw	MLSS (mg/L) X 1000	WAS	Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	(mg/L) X 1000 # 1 & #2	MLVSS (mg/L) X 1000	30 min. SVI	60 min. SVI	% Solids	Raw	Final	Chlorine Residual (mg/L)	NH3-N (mg/L)	E. Coll (MPN)	Raw	Final	Final								
1	26.89			7.0	6.9								156.0		7.0				262.0		9.0		5700				9600	7500	160							0.016	1.20	2									
2	26.49			7.1	6.8								490.0		6.0				404.0		8.0		5240				3460	2760	200			8.67	1.82	0.016	0.92	4	40	19									
3	26.05			7.0	6.8								720.0		6.0				450.0		9.0		5220				3060	2420	195					0.016	0.71	7											
4	30.01			7.1	6.9								297.0		8.0				226.0		12.0		5500				3380	2620	200					0.016	1.20	4											
5	36.78			7.1	6.9								187.0		6.0				138.0		9.0		5900				4340	3300	160					0.016	1.00	2											
6	34.95			7.4	7.0								187.0		5.0				140.0		7.0		5440				2780	2120	180					0.016	0.64	32											
7	32.17			7.1	7.0								190.0		6.0				133.0		7.0		5170				3140	2400	180					0.016	1.30	25											
8	31.83			6.9	6.7								240.0		6.0				150.0		8.0		4880				3700	2940	160					0.016	1.10	2											
9	30.82			7.1	6.9								280.0		7.0				157.0		7.0		4780				2540	2020	190			7.14	1.22	0.016	1.40	2	29	22									
10	37.88			7.1	6.9								195.0		6.0				139.0		12.0		5500				2880	2180	180					0.016	0.81	2											
11	44.35			7.5	6.9								172.0		6.0				134.0		9.0		5560				2900	2200	170					0.016	0.63	54											
12	59.26			7.4	7.0								380.0		15.0				242.0		21.0		5560				2760	2080	180					0.016	0.98	35											
13	135.21			7.1	6.9								188.0		10.0				136.0		14.0		7320				1680	1180	100					0.016	1.40	2660											
14	91.84			7.1	7.0								173.0		7.0				159.0		16.0		6620				2740	2040	150					0.016	1.60	597											
15	72.24			7.1	7.0								208.0		6.0				174.0		11.0		5500				3030	2310	200					0.016	1.60	15											
16	67.14			7.0	7.1								185.0		7.0				120.0		11.0		6310				3190	2490	185			4.66	3.90	0.016	1.20	13	18	8									
17	59.41			7.0	7.1								317.0		7.0				164.0		8.0		6860				4360	3220	180					0.016	1.20	2											
18	66.32			7.0	7.0								223.0		7.0				176.0		12.0		6340				3540	2720	200					0.016	1.40	34											
19	60.16			7.0	6.8								208.0		7.0				133.0		11.0		7360				3180	2380	195					0.016	1.40	9											
20	55.48			7.6	6.9								228.0		6.0				132.0		8.0		7320				3300	2500	190					0.016	1.20	22											
21	50.42			7.1	6.9								226.0		7.0				223.0		11.0		7000				3320.00	2580	210					0.016	1.80	7											
22	48.82				6.9								8.0		227.0		7.0			146.0		12.0		6640				3830	3050	200					0.016	2.40	2										
23	47.11			7.1	7.0								8.0		222.0		9.0			139.0		12.0		7020				3460.00	2690	200			6.19	2.88	0.016	1.70	2	24	14								
24	55.47			7.0	7.0								308.0		9.0				200.0		14.0		6940				3880	3040	200					0.016	1.80	2											
25	90.73			7.0	7.0								148.0		10.0				105.0		14.0		8460				2700	2060	140					0.016	1.10	226											
26	72.16			7.0	6.9								151.0		7.0				129.0		16.0		7120				3520	2660	200					0.016	1.50	2											
27	65.96			7.1	7.0								225.0		8.0				154.0		14.0		6900				3050	2430	180					0.016	2.40	11											
28	57.11			7.2	7.0								179.0		9.0				157.0		18.0		7780				2860	2120	175					0.016	2.50	2											
29	52.78			7.2	6.9								184.0		10.0				150.0		18.0		6960				3440	2740	170					0.016	2.60	2											
30																																															
31																																															
Total	1565.9	0	0																																												
Avg.	54.00			7.1	6.9								242.2		7.5				178.3		11.7		6306.96		0.0	0.0	3437.93	2646.55	180.34			6.67	2.46	0.016	1.40	10	26	15									

___ 36173
 ___ 34248
 ___ 1907
 Industrial Connections: 18
 Sewer Connections X 3 = 102744

___ 411495 Flow
 ___ 369680 BOD
 ___ 416712 TSS

Operator Deborah Hathaway
 Cert. # 16354
 Phone # 502-540-6000