



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

December 13, 2019

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 2019.**

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 2019.

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 11/19
Enclosures

cc: C. Roth
V. Graves
R. Shaw

81011 Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	97				23 - %		01/30 - Monthly	CA - CALCTD
				Permit Req.	>=	85 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
201911_DRG_coverletter.pdf	pdf	41591
DerekJGurie.pdf	pdf	23222
201911_DRG_MOR.pdf	pdf	81818

Report Last Saved By

Derek R Guthrie WQTC MSD

User: staci.huber@louisvillemsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemsd.org
 Date/Time: 2019-12-16 12:14 (Time Zone: -05:00)

Report Last Signed By

User: kevin.thompson@louisvillemsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemsd.org
 Date/Time: 2019-12-16 14:03 (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
SMNSewer Main	06940-AG	3809 DIXIE HWY		MILL CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3174624		11/09/2019	GRAY JR	CAINES	REPAIRED - ISSUE RESOLVED	10/22/2015	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE- WATERS	11/09/19 05:30 AM	

Discharge Reporting:

Discharge Amount:	100 GAL
Cause:	STRUCTURAL FAILURE: FORCE MAIN BREAK.
Clean Up:	WE SPREAD LIME.
Control Zone:	SIGNS IN PLACE.
Impact:	WET GROUND AND SMELL.
Repair:	PUMP STATION SHUT DOWN AND HAULED.
Public Notification:	NOTICE SENT OUT.

Notifications:

11/9/19 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
11/9/19 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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	3181473		11/30/2019	CATALANO JR	HUBER IV	DOCUMENTE D	01/13/2013	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	11/30/19 08:50 PM	

Discharge Reporting:

Discharge Amount:	20,400 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM.
Control Zone:	TEMPORARY SIGNS HAVE BEEN POSTED.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND MANHOLE.
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.
Public Notification:	TEMPORARY SIGNS HAVE BEEN POSTED.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3181467		11/30/2019	CATALANO JR	HUBER IV	DOCUMENTE D	12/15/2007	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER	11/30/19 09:00 PM	

Discharge Reporting:

Discharge Amount:	11,550 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM.
Control Zone:	TEMPORARY SIGNS HAVE BEEN POSTED.
Impact:	O SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND MANHOLE.
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.
Public Notification:	TEMPORARY SIGNS HAVE BEEN POSTED.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION



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	93703	8800 ADMIRAL DR		PENNSYLVANIA RUN	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	3181471		11/30/2019	CATALANO JR	HUBER IV	DOCUMENTE D	03/24/2018	LACK OF SYSTEM CAPAC	UNAUTHORIZED DISCHARGE-WATER AM	12/01/19 03:48	

Discharge Reporting:

Discharge Amount:	53,400 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN.
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM.
Control Zone:	TEMPORARY SIGNS HAVE BEEN POSTED.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND MANHOLE.
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.
Public Notification:	TEMPORARY SIGNS HAVE BEEN POSTED.

Notifications:

12/1/19 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
12/1/19 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 4

Total Work Orders Printed: 4

Name of Sewage Treatment Plan

West County WTP

Jefferson County

Month of:

November

2019

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) X1000 #1	MLVSS (mg/L) X1000	30 min. SVI	60 min. SVI	% Solids	Raw	Final	Chlorine Residual (mg/L)	NH3-N (mg/L)	E. Coli (#/MPN)	Raw	Final	Final		
1	42.29			7.2	7.2				7.0	124.0	15.0		123.0	7.0	5580										2880	2080	170					0.016	0.24	107						
2	29.00			7.1	7.3				7.0	168.0	6.0	7.3	153.0	7.0	7420										3840	2660	190					0.016	0.25	2						
3	25.72			7.2	7.0				6.0	280.0	5.0	7.0	229.0	7.0	4820										3880	2840	210	6.57	2.22		0.016	0.20	40	35	20					
4	24.76			7.1	6.6				7.0	280.0	5.0	7.0	202.0	8.0	5300										3840	2840	200					0.016	0.27	78						
5	21.20			7.2	6.6				7.0	228.0	4.0	7.0	167.0	7.0	4900										4740	3820	190					0.016	0.20	24						
6	19.40			7.2	6.9				6.0	226.0	4.0	7.0	164.0	9.0	4780										4020	2960	190					0.016	0.25	56						
7	40.74			7.1	7.1				6.0	208.0	7.0	7.0	153.0	21.0	4680										3160	2350	180					0.016	1.60	623						
8	28.59			7.0	7.0				7.0	563.0	4.0	7.0	308.0	7.0	4720										2840	2120	180					0.016	0.24	7						
9	25.45			7.2	7.2				7.0	347.0	4.0	7.0	312.0	8.0	4380										2530	1800	170					0.016	0.42	72						
10	24.97			7.1	7.0				7.0	198.0	6.0	7.0	194.0	8.0	4060										2650	1920	160	6.23	4.17		0.016	0.51	40	34	22					
11	23.63			7.2	7.0				7.0	244.0	6.0	7.0	194.0	9.0	4080										2620	1960	160					0.016	0.53	38						
12	23.19			7.2	6.9				7.0	228.0	6.0	7.0	170.0	10.0	4100										2320	1720	150					0.016	0.80	45						
13	21.99			7.1	7.0				7.0	252.0	6.0	7.0	194.0	8.0	4160										2050	1530	150					0.016	1.30	2						
14	21.53			7.0	6.9				7.0	202.0	6.0	7.0	160.0	13.0	4140										2280	1700	140					0.016	1.00	11						
15	19.93			7.2	7.0				7.0	209.0	6.0	7.0	167.0	14.0	4040										2070	1560	140					0.016	0.60	7						
16	20.18			7.2	7.6				7.0	220.0	6.0	7.0	167.0	9.0	3850										2350	1740	150					0.016	0.83	87						
17	20.22			7.2	7.1				7.0	184.0	8.0	7.0	163.0	11.0	3850										2610	1970	150	6.41	2.63		0.016	1.30	10	32	22					
18	20.73			7.0	7.0				7.0	184.0	8.0	7.0	158.0	13.0	3740										3050	2340	150					0.016	0.90	2						
19	21.21			7.0	7.0				7.0	204.0	6.0	7.0	198.0	12.0	3970										2340	1810	150					0.016	0.60	13						
20	21.52			7.2	7.1				7.0	184.0	8.0	7.0	154.0	10.0	4080										2300	1760	145					0.016	0.42	20						
21	21.66			7.2	6.9				7.0	162.0	8.0	7.0	142.0	13.0	3860										2580.00	1920	140					0.016	0.70	16						
22	34.87			7.2	7.0				8.0	148.0	12.0	7.0	134.0	18.0	4000										2500	1930	125					0.016	2.10	32						
23	33.77			7.1	7.0				7.0	260.0	10.0	7.0	196.0	15.0	4180										2210.00	1650	120					0.016	1.60	315						
24	32.29			7.1	7.1				7.0	148.0	11.0	7.0	138.0	16.0	4710										2030	1560	110	3.74	3.51		0.016	1.70	196	26	16					
25	27.25			7.4	7.3				7.0	272.0	10.0	7.0	203.0	11.0	4290										2340	1840	110					0.016	1.40	7						
26	24.93			7.1	7.1				7.0	364.0	13.0	7.0	325.0	17.0	3750										2170	1690	120					0.016	2.40	2						
27	75.85			6.9	7.0				6.0	244.0	11.0	7.0	265.0	17.0	5110										1630	1220	90					0.016	1.20	77						
28	33.99			7.2	7.2				7.2	206.0	7.0	7.0	213.0	10.0	4160										2780	2100	150					0.016	1.30	178						
29	26.59			7.2	7.2				7.0	260.0	11.0	7.0	276.0	14.0	4280										3920	2720	150					0.016	0.76	9						
30	127.86			7.0	7.2				7.0	88.0	13.0	7.0	87.0	21.0	6760										1860	1460	60					0.016	1.40	348						
31																																								
Total	934.3	0	0												0.0		0.0																							
Avg.	31.14			7.1	7.1				6.9	229.3	7.7		190.3	11.7	4525.00										2746.33	2052.33	150.00					5.74	3.13	0.016	0.90	28	32	20		

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

193862 Flow
 188010 BOD
 180824 TSS

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