



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

March 14, 2016

Ms. Cheryl Edwards
Kentucky Division of Water
200 Fair Oaks Lane
Frankfort, Kentucky 40601

Dear Ms. Cheryl Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Derek Guthrie WQTC, KPDES No: KY0078956

There were no exceedence or bypass reports for the month of February 2016 for the Derek Guthrie WQTC.

Also are attached are the monthly overflow reports.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6031.

Sincerely,

John Kessel
Process Supervisor, West Region

JMK/West County 02/16
Enclosures

cc: C. Roth
T. Singleton
R. Shaw

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
DRG_MOR_022016.XLS	xls	125440
DRG_COVER_022016.pdf	pdf	42689
DRG_Overflow_022016.pdf	pdf	394238

Report Last Saved By

DEREK R GUTHRIE WQTC MSD

User: kevin.ries@louisvillemsd.org

Date/Time: 2016-03-16 12:43 (Time Zone: -04:00)

Name: Kevin Ries

E-Mail: kevin.ries@louisvillemsd.org

Name of Sewage Treatment Plant: West County WTP County: Jefferson Month of: February 2016
 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				Dig Sludge		Final						
		Grit 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	Million Gal/Day	MLSS mg/L X 1000	Gal/Day X 1000	Oxygen (mg/L) #1	Oxygen (mg/L) #2	MLSS (mg/L) X1000 #1	MLVSS (mg/L) X1000 #1	30 min. SettS.	SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Fecal Coliform Col./100ml
1	25.32			7.4	7.2			7.4		172		4		143	5		4490					3100	2460	200.0	0.06				0.01	2.20	2
2	28.88			7.2	7.2			7.3		268		12		185	20		4640					2790	2230	190.0	0.07	1.87	4.50	0.01	2.00	4	
3	126.15			7.4	7.0			6.9		180		14		148	17		4430					1600	1210	100.0	0.06			0.01	2.60	8	
4	69.27			7.2	7.3			7.0		132		9		132	16		5470					1870	1390	140.0	0.07			0.01	3.20	2	
5	61.52			7.3	7.3			7.0		230		7		246	11		5780					1930	1470	150.0	0.08			0.01	3.40	2	
6	33.85			7.3	7.2			8.0		190		5		161	7		4740					3180	2400	210.0	0.07			0.01	3.10	3	
7	29.25			7.6	7.3			8.0		192		4		160	5		5030					2780	2130	180.0	0.06			0.01	3.80	2	
8	38.72			7.5	7.4			6.9		204		6		181	6		4670					2940	2210	200.0	0.07			0.01	4.30	2	
9	27.44			7.3	7.3			7.1		166		6		141	4		5130					3250	2440	200.0	0.06	0.84	4.30	0.01	3.00	2	
10	25.64			7.3	7.2			8.0		205		5		113	5		4770					2500	1850	200.0	0.08			0.01	3.90	2	
11	23.67			8.8	7.4			7.2		220		5		193	6		4640					2710	2050	200.0	0.07			0.01	3.00	2	
12	23.24			7.4	7.3			8.0		88		7		196	7		4300					2550	1910	190.0	0.07			0.01	2.90	2	
13	22.45			7.2	7.1			8.0		205		5		180	7		4110					2310	1730	180.0	0.08			0.01	3.30	3	
14	22.43			7.3	7.2			7.9		238		4		184	6		4150					2460	1860	180.0	0.07			0.01	3.20	2	
15	24.15			7.3	7.1			8.0		216		3		192	6		4350					2690	2070	200.0	0.07			0.01	3.60	2	
16	27.93			8.9	7.3			8.0		252		4		143	5		4390					2700	2090	190.0	0.07	1.28	3.60	0.01	2.40	2	
17	26.27			7.4	7.2			8.0		186		3		182	4		4450					2740	2080	210.0	0.08			0.01	2.10	2	
18	24.85			7.3	7.1			8.0		322		6		261	10		4420					2700	2060	210.0	0.08			0.01	2.60	2	
19	25.13			7.4	7.2			8.0		215		5		314	3		4390					2670	2020	220.0	0.08			0.01	2.00	2	
20	24.43			7.4	7.4			8.0		170		5		154	7		3030					2770	2170	220.0	0.08			0.01	2.20	4	
21	66.25			7.3	7.4			8.0		194		9		182	34		2950					2650	2050	220.0	0.08			0.01	3.90	4	
22	54.38			7.2	7.1			7.9		120		3		114	6		5780					2050	1650	180.0	0.09			0.01	2.60	14	
23	31.65			7.2	7.2			8.0		164		5		128	8		4770					3580	2930	260.0	0.07	1.40	4.00	0.01	2.60	8	
24	142.31			7.4	6.9			6.0		196		5		108	6		5940					1970	1480	120.0	0.06			0.01	1.80	40	
25	122.59			7.0	6.8			7.0		120		5		96	6		6320					1940	1470	140.0	0.07			0.01	2.00	3	
26	65.08			7.3	7.0			7.0		98		8		97	13		8100					3980	3180	170.0	0.04			0.01	2.80	10	
27	68.98			7.3	7.5			8.0		108		6		78	9		6420					2770	2070	230.0	0.08			0.01	4.00	7	
28	59.61			7.3	7.2			8.0		124		4		90	6		6800					2810	2090	180.0	0.06			0.01	4.20	8	
29	47.53			7.5	7.3			8.0		126		4		103	6		7140					2800	2150	240.0	0.09			0.01	3.30	16	
30																															
31																															
Total	1368.96	0	0													0.0		0.0													
Avg.	47.21			7.4	7.2			7.6		183		6		159	9		5020.7					2648	2031.03	190.00	0	1.35	4.10	0.01	2.97	4	

Total Number of Sewer Connections: 0 Industrial Waste Population Equivalent _____ Operator S. Patterson
 Residential Connections: _____
 Commercial Connections: _____ Flow 449577 BOD 367741 TSS 342689 Cert. # #5879
 Industrial Connections: _____
 Sewer Connections X 4 = 0 Phone # 502-540-6042



Report Selections: Period: 02/01/2016 00:00 thru 02/29/2016 23:59, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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
SMH Sewer Manhole	25484	9317 LANTANA DR		OHIO RIVER	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	2499111		02/03/2016	SINGLETON	OPS ASHIFT	DOCUMENTED	01/13/2013	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	02/03/16 09:30 AM	

Discharge Reporting:

Discharge Amount:	19,750 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	NO DEBRIS OBSERVED
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	A SOLUTION FOR THIS LOCATION CAN BE FOUND IN THE IOAP
Public Notification:	TEMPORARY SIGNS POSTED AT THIS LOCATION

Notifications:

2/3/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
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Report Selections: Period: 02/01/2016 00:00 thru 02/29/2016 23:59, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

<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>
: DISREVRAIN EVENT DISCHARGE	2511521		2/24/2016 7:10:00AM	OPS BSHIFT CENTRAL	SPENCER	DOCUMENTED	01/13/2013	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	02/24/16 09:35 AM	

Discharge Reporting:

Discharge Amount:	3,625 GAL
Cause:	LACK OF CAPACITY
Clean Up:	MSD CLEANED AND SANITIZED THE AREA
Control Zone:	TEMP. SIGNS
Impact:	DEBRIS,
Repair:	A SOLUTION FOR THIS LOCATION CAN BE FOUND IN THE IOAP
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

Notifications:

2/24/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
2/24/16 1:00 am	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'



Report Selections: Period: 02/01/2016 00:00 thru 02/29/2016 23:59, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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
SMH Sewer Manhole	27116	10304 CAVEN AVE		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	2499052		02/02/2016	DAVIS	TELLMAN	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	02/03/16 12:30 PM	

Discharge Reporting:

Discharge Amount:	19,125 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED AND SANITIZED THE AFFECTED AREA
Control Zone:	TEMPORARY SIGNS
Impact:	SEWAGE
Repair:	A SOLUTION FOR THIS LOCATION CAN BE FOUND IN THE IOAP
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR CARDS AND TEMPORARY SIGNS

Notifications:

1/27/16 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
1/27/16 1:00 pm	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'



Report Selections: Period: 02/01/2016 00:00 thru 02/29/2016 23:59, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREVRN EVENT DISCHARGE	2511631		2/24/2016 4:30:00AM	TELLMAN	DAVIS	DOCUMENTED	11/15/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	02/25/16 08:15 AM	

Discharge Reporting:

Discharge Amount:	40,500 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED AND SANITIZED THE AFFECTED AREA
Control Zone:	TEMPORARY SIGNS
Impact:	SEWAGE
Repair:	A SOLUTION FOR THIS LOCATION CAN BE FOUND IN THE IOAP
Public Notification:	PUBLIC WAS NOTIFIED THROUGH DOOR CARDS AND TEMPORARY SIGNS

Notifications:

2/24/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
2/24/16 1:00 am	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'



Report Selections: Period: 02/01/2016 00:00 thru 02/29/2016 23:59, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

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
SMH Sewer Manhole	60679	9114 CINDERELLA LN		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	2511535		02/24/2016	SPENCER	OPS BSHIFT CENTRAL	DOCUMENTED	12/15/2007	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	02/24/16 04:50 PM	

Discharge Reporting:

Discharge Amount:	14,125 GAL
Cause:	LACK OF CAPACITY
Clean Up:	MSD CLEANED AND SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS NEAR THE MANHOLE.
Impact:	DEBRIS
Repair:	A SOLUTION FOR THIS LOCATION CAN BE FOUND IN THE IOAP
Public Notification:	TEMPORARY SIGNS POSTED

Notifications:

2/24/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
2/24/16 1:00 am	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'