



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

March 10, 2017

Ms. Cheryl Edwards
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 2017.**

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, for the month of February 2017.

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 02/17
Enclosures

cc: C. Roth
V. Graves
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
201702_DRG_MOR.pdf	pdf	120776
201702_DRG_coverletter.pdf	pdf	112838
201702DRGWQTCOverflowReport.pdf	pdf	102914

Report Last Saved By

Derek R Guthrie WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2017-03-16 12:41 (Time Zone: -04:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

DMR Copy of Record

Permit																					
Permit #:	KY0078956			Permittee:	Derek R Guthrie WQTC MSD				Facility:	DEREK R GUTHRIE WQTC MSD											
Major:	Yes			Permittee Address:	700 W Liberty St Louisville, KY 40203				Facility Location:	11621 LOWER RIVER RD LOUISVILLE, KY 40272											
Permitted Feature:	001 External Outfall			Discharge:	001-R REASONABLE POTENTIAL																
Report Dates & Status																					
Monitoring Period:	From 02/01/17 to 02/28/17			DMR Due Date:	03/28/17				Status:	NetDMR Validated											
Considerations for Form Completion																					
Principal Executive Officer																					
First Name:	James A.			Title:	Executive Director				Telephone:	502-540-6000											
Last Name:	Parrott																				
No Data Indicator (NODI)																					
Form NODI:	--																				
Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type				
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units					
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--							<	0.01		<	0.01	19 - mg/L		01/28 - Once Every 4 Weeks	CP - COMPOS		
																19 - mg/L	0	01/30 - Monthly	CP - COMPOS		
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																					
No attachments.																					
Report Last Saved By																					
Derek R Guthrie WQTC MSD																					
User:	kevin.thompson@louisvillemsd.org								Date/Time:	2017-03-16 08:52 (Time Zone: -04:00)											
Name:	Kevin Thompson																				
E-Mail:	kevin.thompson@louisvillemsd.org																				

Name of Sewage Treatment Plant:

West County WTP

Jefferson

Month of:

February

2017

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. Sett.S.	SVI	% Solids	Phosphorus (mg/L)	TKN (mg/L)	Chlorine Residual (mg/L)	NH3-N (mg/L)	Fecal Coliform Col./100ml
1	37.4370			7.4	7.0				8.0		152		8				144		12	5480					2420	1970	180.0	0.07				0.02	5.50	11	
2	35.6990			7.4	7.3				8.0		236		8				199		12	5600					2510	2060	170.0	0.07				0.02	6.80	10	
3	34.2050			7.4	7.3				8.0		230		10				132		15	5300					2120	1720	160.0	0.08				0.02	7.30	10	
4	34.2610			7.4	7.0				9.0		145		10				168		18	5330					2360	1930	180.0	0.08				0.02	8.40	1680	
5	34.7480			7.3	7.1				8.0		179		9				156		13	5340					2420	1990	170.0	0.07				0.02	8.40	21	
6	34.5550			7.4	7.5				8.0		145		8				137		19	5220					2170	1760	170.0	0.08				0.02	8.80	9	
7	49.3890			7.3	7.5				8.0		132		10				257		14	5440					2220	1860	170.0	0.08	1.87	7.60		0.02	5.40	16	
8	58.6810			7.7	7.4				8.0		139		7				134		22	6420					2690	2200	170.0	0.06				0.02	5.80	8	
9	47.1100			7.2	7.3				8.0		164		7				129		12	6030					2390	1950	175.0	0.07				0.02	6.10	6	
10	42.8310			7.2	7.0				8.0		285		6				183		16	5830					2300	1870	180.0	0.08				0.02	6.80	33	
11	41.0890			7.3	7.2				8.0		240		6				223		11	6120					2380	1950	180.0	0.08				0.02	7.10	39	
12	39.1230			7.2	7.2				8.0		180		5				194		9	5820					2630	2160	200.0	0.08				0.02	6.60	6	
13	37.7860			7.1	7.3				8.0		147		5				139		8	5600					2740	2280	180.0	0.07				0.02	6.30	14	
14	36.8880			7.4	7.1				8.0		175		6				177		8	5690					2520	2060	200.0	0.08	1.71	8.20		0.02	6.70	12	
15	36.4350			7.3	7.2				8.0		211		6				211		12	5690					2650	2180	190.0	0.07				0.02	8.10	11	
16	34.3220			7.2	7.0				8.0		193		10				184		13	5840					2630	2170	200.0	0.08				0.02	7.80	7	
17	35.4550			7.4	7.3				8.0		300		11				300		13	7020					2160	1730	170.0	0.08				0.02	10.00	15	
18	34.9080			7.4	7.4				8.0		235		10				263		14	6230					2090	1700	150.0	0.07				0.02	9.10	11	
19	35.4060			7.2	7.4				8.0		167		3				185		4	6250					2750	2290	190.0	0.07				0.02	8.30	18	
20	34.5500			6.3	7.0				7.7		448		3				289		9	6070					2730	2260	200.0	0.07				0.02	8.90	22	
21	34.1140			7.2	6.6				7.4		236		3				195		6	7280					2460	2070	170.0	0.07	1.60	11.00		0.02	9.20	34	
22	34.5300			7.2	6.3				7.0		250		3				229		6	6940					2960	2420	190.0	0.06				0.02	9.20	36	
23	34.4860			7.7	7.1				7.5		418		3				346		5	6600					3120	2570	180.0	0.06				0.02	8.60	30	
24	29.3290			7.3	6.1				7.0		470		7				476		25	6160					2600	2100	190.0	0.07				0.02	6.50	42	
25	55.2580			7.3	7.2				7.5		155		4				159		5	6120					2110	1640	150.0	0.07				0.02	4.70	42	
26	26.0340			7.0	7.0				7.6		316		6				245		6	4930					2830	2220	210.0	0.07				0.02	3.50	19	
27	25.0590			7.4	7.1				8.0		306		6				236		8	5000					7060	5830	150.0	0.02				0.02	4.20	10	
28	47.9060			7.2	7.3				8.0		184		8				127		21	4460					2540	2050	170.0	0.07	1.52	7.50		0.02	5.10	9	
29	0.0000																																		
30	0.0000																																		
31	0.0000																																		
Total	1061.5940	0	0																	0.0		0.0													
Avg.	34.24			7.3	7.1				7.9		230		7				208		12	5850.4					2663	2171.07	178.39	0.07	1.68	8.58	0.02	7.11	18		

Total Number of Sewer Connections: 0
 Residential Connections: _____
 Commercial Connections: _____
 Industrial Connections: _____
 Sewer Connections X 4 = 0

Industrial Waste Population Equivalent
326143 Flow 349384 BOD 312706 TSS

Operator: Deb Hathaway
 Cert. #: #16354
 Phone #: 502-540-6000

Report Selections: Period: 02/01/2017 00:00 thru 02/28/2017 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
SMN Sewer Main	06940C-AG	3713 DIXIE HWY		MILL CREEK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2683354		02/13/2017	BRAZEL	SANINSP-A	REPAIRED - ISSUE RESOLVED	02/13/2017	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	02/13/17 04:30 PM	MAIN

Discharge Reporting:

Discharge Amount:	250 GAL
Cause:	STRUCTURAL FAILURE OF FORCE MAIN
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	PLACED TEMPORARY SIGNS AND CAUTION TAPE AROUND THE IMPACTED AREA
Impact:	SEWAGE/WATER DISCHARGING FROM FORCE MAIN BUBBLING UP THROUGH THE GROUND, NO DEBRIS
Repair:	REFERRED TO METRO OPERATIONS SUPERVISOR TO MAKE NEEDED REPAIRS
Public Notification:	ADVISED CUSTOMER ON SITE

Notifications:

2/4/17 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
2/4/17 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: 02/01/2017 00:00 thru 02/28/2017 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	40395	9301 STONESTREET RD		PONDER CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2688434		02/24/2017	SANINSP-A	SANINSP-A	REPAIRED - ISSUE RESOLVED	02/24/2017	OBSTRUCTION-N OT GREASE / ROOTS	UNAUTHORIZED DISCHARGE - WATERS	02/24/17 12:56 PM	MAIN

Discharge Reporting:

Discharge Amount:	4,500 GAL
Cause:	OBSTRUCTION IN MSD'S MAIN SEWER
Clean Up:	MSD PERSONNEL WILL CLEAN AND SANITIZE IMPACTED AREA
Control Zone:	PLACED TEMPORARY DISCHARGE SIGNS AND CAUTION TAPE AROUND IMPACTED AREA AROUND MANHOLE
Impact:	SEWAGE DISCHARGING FROM MANHOLE INTO CREEK
Repair:	FLUSHED MAIN SEWER ABOUT 200' TO RESTORE FLOW
Public Notification:	PLACED TEMPORARY SIGNS

Notifications:

2/16/17 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV; CHARLIE.ROTH@KY.GOV'
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Report Selections: Period: 02/01/2017 00:00 thru 02/28/2017 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
SMN Sewer Main	99188	8023 DIXIE HWY		VALLEY 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	2685492		02/15/2017	SANSUP-SECO	SANSUP-SEC	REPAIRED - ISSUE RESOLVED	02/15/2017	OBSTRUCTION-N OT GREASE / ROOTS	UNAUTHORIZED DISCHARGE - WATERS	02/15/17 08:10 PM	MAIN

Discharge Reporting:

Discharge Amount:	1 GAL
Cause:	OBSTRUCTION IN MAIN SEWER
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	PLACED CONES AROUND THE IMPACTED AREA
Impact:	SEWAGE DEBRIS FOUND ON THE GROUND
Repair:	FLUSHED THE OBSTRUCTION FROM THE SEWER
Public Notification:	ADVISED CUSTOMER ON SITE

Notifications:

2/14/17 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: 3

Total Work Orders Printed: 3