



Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org

November 6, 2013

Cheryl Edwards
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for October of 2013**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork WQTC for the month of October 2013.

There were no exceedences, or bypasses. The overflow report is attached.

If you have any questions concerning the attached DMR's, please contact me at (502) 587-5832

Sincerely,

A handwritten signature in cursive script that reads "Richard Mills".

Richard Mills
Process Supervisor of Metro Operations

RM/ Floyds Fork 10/13

Enclosures

cc: T. Singleton
R. Shaw



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com

DMR Copy of Record

Permit			
Permit #:	KY0102784	Permittee:	FLOYDS FORK WQTC MSD
Major:	Yes	Permittee Address:	1100 BLUE HERRON RD LOUISVILLE, KY 40245
Permitted Feature:	001 External Outfall	Discharge:	001-1 MUNICIPAL DISCHARGE
Facility:		Facility Location:	FLOYDS FORK WQTC MSD 1100 BLUE HERRON RD LOUISVILLE, KY 40245

Report Dates & Status			
Monitoring Period:	From 10/01/13 to 10/31/13	DMR Due Date:	11/28/13
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Greg	Title:	Executive Director
Last Name:	Heitzman	Telephone:	502-540-6000

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
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	7				=	7				19 - mg/L	0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB GR - GRAB
					Permit Req.	>=	7 INST MIN								19 - mg/L				
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7.4				=	8.1			12 - SU	0	01/01 - Daily 03/07 - Three Per Week	GR - GRAB GR - GRAB	
					Permit Req.	>=	6 MINIMUM			<=	9 MAXIMUM			12 - SU					
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	35	=	48	26 - lb/d	=	2	=	2	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	813 MO AVG	<=	1220 MX WK AV	26 - lb/d	<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L				
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	5157	=	5491	26 - lb/d	=	303	=	351	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	4	=	8	26 - lb/d	=	0.3	=	0.5	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	54 MO AVG	<=	81 MX WK AV	26 - lb/d	<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	332	=	343	26 - lb/d	=	19	=	22	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=		=			=	0.4	=	0.5	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.					<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L					
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	2.55	=	10.86	03 - MGD						0	99/99 - Continuous 99/99 - Continuous	CN - CONTIN CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample	=		=			=	2	=	3	13 - #/100mL	0	03/07 - Three Per Week 03/07 - Three Per Week	GR - GRAB GR - GRAB	
					Permit Req.					<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL					
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	35	=	48	26 - lb/d	=	2	=	2	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	271 MO AVG	<=	407 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L				
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	2149	=	2500	26 - lb/d	=	127	=	151	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample	=	98							23 - %	0	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD		
					Permit Req.	>=	85 MO MIN						23 - %						
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	99							23 - %	0	01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD		
					Permit Req.	>=	85 MO MIN						23 - %						
					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
102013FloydsFork_CoverLetter.PDF	pdf	15154
102013FloydsFork_MOR.PDF	pdf	37638
102013FloydsFork_OverflowReport.PDF	pdf	74644

Report Last Saved By

FLOYDS FORK WQTC MSD

User: millsr@louisvillemsd.org

Date/Time: 2013-11-26 15:06 (Time Zone: -05:00)

Name: Richard Mills

E-Mail: millsr@louisvillemsd.org

NAME OF TREATMENT PLANT FLOYDS FORK

COUNTY JEFFERSON

MONTH OF: October 2013

KPDES PERMIT NUMBER KY0102784

PLANT CAPACITY 3.5 MGD

RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLEABLE SOLIDS (mg/L)			DISSOLVED OXYGEN (mg/L)			SUSPENDED SOLIDS (mg/L)			5 DAY CBOD (mg/L)			ACTIVATED SLUDGE			AERATION BASIN						SLUDGE HANDLING				FINAL				
		GRIT REMOVED (CUBIC FEET)	SCREENINGS (CUBIC FEET)	RAW	FINAL	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	STREAM ABOVE	FINAL EFFLUENT	STREAM BELOW	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RETURN		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	30 MIN.	60 MIN.	RAW		HAULED		PHOSPHORUS TOTAL (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)			
																		GAL/DAY X 1000	MLSS X 1000							GAL/DAY X 1000	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS				% DRY SOLIDS	% VOLATILE SOLIDS	
1	1.740	2.48	2.48	7.1	8.0								312		2	136		2	0.764	7.2	58	2.8	2.62	1.96	250		2.006					87.3	0.36	0.06	2
2	1.737	2.48	2.48	7.1	8.0								392		2	144		2	0.787	6.99	60	3.3	2.53	2.04	250		1.97				81.9	0.33	0.11	2	
3	1.692	2.48	2.48	7.3	8.0								350		2	136		2	0.737	6.57	64	3	2.5	1.97	250		1.926				63	0.29	0.06	5	
4	1.689	2.48	2.48	7.3	8.1														0.77	8.07	52	2.8	2.5	1.98	250		1.947				18				
5	3.859	2.48	2.48	7.2	7.5														2.003	5.74	40	2.6	2.34	1.86	250		5.209				0				
6	10.856	2.48	2.48	7.0	7.7														4.182	4.05	40	2.3	2.84	2.14	340		12.263				0				
7	5.399	2.48	2.48	7.2	7.9														1.513	7.82	50	5	2.45	1.98	280		5.055				61.8				
8	3.308	2.48	2.48	7.4	8.0								184		2	86		2	1.153	8.43	55	5.4	2.94	2.07	240		3.409				37.8	0.39	0.17	2	
9	2.999	2.48	2.48	7.4	7.8								255		2	82		2	0.478	7.51	63	4.8	2.99	2.12	250		2.892				63	0.54	0.11	2	
10	2.253	2.48	2.48	7.2	7.7								224		2	72		2	0.695	7.79	57	5.7	2.78	2.18	220		2.685				73.8	0.18	0.25	2	
11	2.072	2.48	2.48	7.2	7.6														0.953	9.37	40	3.2	3.14	2.28	240		2.479				68.1				
12	2.038	2.48	2.48	7.3	7.5														0.874	8.15	40	3.8	2.66	2.02	220		2.444				0				
13	2.142	2.48	2.48	7.3	7.6														0.791	8.65	40	3.2	2.72	1.79	240		2.444				0				
14	1.976	2.48	2.48	7.3	7.8														0.878	8.14	55	3.7	2.75	1.86	220		2.325				63				
15	1.993	2.48	2.48	7.3	8.0								312		2	142		2	0.81	7.37	58	3.2	2.64	1.92	220		2.232				62.7	0.43	1.00	2	
16	2.014	2.48	2.48	7.4	7.7								388		2	167		2	0.813	6.97	60	3.5	2.57	1.92	210		2.236				37.2	0.42	0.14	3	
17	1.959	2.48	2.48	7.2	7.4								292		2	143		2	0.725	6.91	55	3.7	2.4	1.76	210		2.234				105.6	0.37	0.22	2	
18	1.818	2.48	2.48	7.2	7.6														0.656	6.18	60	4.2	2.27	1.65	210		2.138				80.5				
19	2.144	2.48	2.48	7.4	7.8														0.68	7.97	40	3.8	2.56	1.92	210		2.355				0				
20	2.093	2.48	2.48	7.4	7.9														0.765	8.05	40	4.2	2.65	1.98	210		2.424				0				
21	1.917	2.48	2.48	7.2	7.9														0.703	8.52	45	3.5	2.3	1.68	200		2.234				75.6				
22	1.844	2.48	2.48	7.2	7.9								355		2	196		2	0.683	6.66	50	4	2.1	1.54	200		2.162				49.8	0.50	0.45	2	
23	2.002	2.48	2.48	7.3	7.6								284		2	105		2	0.669	7.94	45	4.3	2.1	1.61	200		2.126				0	0.52	0.28	2	
24	1.852	2.48	2.48	7.4	7.7								285		2	114		2	0.685	5.26	50	4.5	2.07	1.6	200		2.09				56.7	0.47	0.17	2	
25	1.675	2.48	2.48	7.2	7.8														0.572	5.83	50	4.6	2.11	1.51	200		2.02				36.9				
26	1.833	2.48	2.48	7.2	7.6														0.839	5.4	50	4	2.1	1.5	200		2.084				0				
27	1.832	2.48	2.48	7.2	7.8														0.957	8.72	50	3.5	2.26	1.73	200		2.152				0				
28	1.858	2.48	2.48	7.0	7.9														0.798	6.47	55	3.4	2.24	1.65	200		2.029				6.3				
29	1.797	2.48	2.48	7.2	7.6														0.757	7.44	50	4.2	2.32	1.73	200		1.977				63				
30	3.417	2.48	2.48	7.2	8.0														0.822	8.07	40	3.6	2.04	1.48	200		3.664				68.7				
31	3.239	2.48	2.48	7.0	7.5														0.841	8.06	45	2.6	2.21	1.71	200		3.581				56.7				
Tot.	79.05	76.88	76.88																29.353								88.792				1317				
Avg.	2.550	2.48	2.48	7.2	7.8								303		2	127		2	0.9469	7.3	50.23	3.755	2.477	1.843	224.8		2.864258				42.5	0.40	0.25	2	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

24284

15876

30658

FLOW

CBOD

TSS

Randolph P. Kustes Jr.

14555

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS

0

X

4

=

0

SEWERED POPULATION

502-253-9310

PLANT TELEPHONE

Report Selections: Period: 10/01/2013 00:00 thru 10/31/2013 23:59, treatment Plant: MSD0294 FLOYDS FORK, 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
KY0102784	MSD0294	FLOYDS FORK	FLOYDS FORK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	33003	815 TUCKER STATION RD		POPE LICK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2030715		10/6/13 12:30 am	GENTRY	COOPER II	DOCUMENTED	03/09/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	10/06/13 03:00 AM	MAIN

Discharge Reporting:

Discharge Amount:	5,250 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	CREATED DISCLN WO#2030748
Control Zone:	MSD PLACED CAUTION TAPE AND TEMPORARY SIGNS
Impact:	MSD OBSERVED DEBRIS AND SOLIDS
Repair:	A SOLUTION FOR THIS IS INCLUDED IN THE IOAP
Public Notification:	ADVISED THE CUSTOMER BY DOOR CARD

Notifications:

10/6/13 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'
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Report Selections: Period: 10/01/2013 00:00 thru 10/31/2013 23:59, treatment Plant: MSD0294 FLOYDS FORK, 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
KY0102784	MSD0294	FLOYDS FORK	FLOYDS FORK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	69305	15026 BIRCHAM RD		FLOYDS FORK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2030751		10/6/13 7:30 am	MARKS JR	OPS BSHIFT CENTRAL	BEYOND APPROVED DESIGN STORM	04/23/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	10/06/13 05:00 PM	

Discharge Reporting:

Discharge Amount:	28,500 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED WITH TAPE
Impact:	SEWAGE OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TAPE AND TEMPORARY SIGNS USED TO WARN PUBLIC

Notifications:

10/6/13 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemad.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'
10/6/13 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemad.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'

Total Facilities Printed: 2

Total Work Orders Printed: 2