



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

August 20, 2013

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

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

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

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

Sincerely,


Richard Mills
Process Supervisor of Metro Operations

RM/ Floyds Fork 07/13

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 07/01/13 to 07/31/13	DMR Due Date:	08/28/13
Status:	NetDMR Validated		

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	=	8									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	=	7.8				=	8.3			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	=	39	=	43	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	=	6219	=	8029	26 - lb/d	=	321	=	385	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	=	5	=	7	26 - lb/d	=	0.3	=	0.3	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	=	298	=	326	26 - lb/d	=	16	=	19	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	=		=			=	0.3	=	0.4	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	=	2.29	=	5.91	03 - MGD						0	09/99 - See Permit 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	=	39	=	43	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	=	2440	=	3198	26 - lb/d	=	126	=	156	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
201307FFWQTC_Overflow.pdf	pdf	71812
FloydsFork072013_CoverLetter.pdf	pdf	14365
FloydsFork072013_MOR.pdf	pdf	35173

Report Last Saved By

FLOYDS FORK WQTC MSD

User: millsr@louisvillemsd.org

Date/Time: 2013-08-27 15:41 (Time Zone: -04:00)

Name: Richard Mills

E-Mail: millsr@louisvillemsd.org

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: July 2013
 KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLABLE 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	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		RAW			HAULED			PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)			
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	MTHORAWN GALLONS X 1000						
1	2.243	2.48	2.48	7.3	8.2								390		2	158		2	1.25	6.18	62	2.8	2.41	1.96	250		2.565							63	0.27	0.17	2
2	2.061	2.48	2.48	7.3	8.0								306		2	147		2	1.13	6.14	65	3	2.46	2.01	250		2.396							50.4	0.40	0.28	2
3	1.979	2.48	2.48	7.3	7.9														1.09	6.41	40	2.5	2.36	1.9	250		1.979							94.5			
4	3.005	2.48	2.48	7.5	8.1								460		2	164		2	1.79	3.92	40	1	1.81	1.56	240		3.374						0	0.34	0.17	2	
5	3.057	2.48	2.48	7.3	7.8														1.94	4.6	40	5.5	2.77	2.26	260		3.415							63			
6	5.913	2.48	2.48	7.5	8.2														1.99	8.54	40	5.9	2.47	1.97	250		6.532							0			
7	3.658	2.48	2.48	7.4	8.0														2.06	6.7	40	5.9	2.51	1.97	250		4.172							0			
8	2.839	2.48	2.48	7.4	8.3								194		2	92		2	1.62	5.85	40	5.7	2.56	1.9	260		3.156							69.3	0.38	0.34	2
9	2.829	2.48	2.48	7.4	8.2								190		2	106		2	0.863	8.62	48	4.2	2.54	1.93	250		2.71							69.3	0.38	0.34	2
10	2.065	2.48	2.48	7.5	8.2								306		2	89		2	3.39	8.21	48	2.6	2.59	2.06	250		3.004							31.5	0.30	0.34	5
11	2.599	2.48	2.48	7.5	8.0														1.24	6	65	4	2.47	2.01	250		2.943							63			
12	2.221	2.48	2.48	7.4	8.1														1.17	6.79	58	5	2.44	1.91	250		2.548							88.2			
13	2.096	2.48	2.48	7.5	8.1														1.121	6	40	5	3.01	2.34	250		2.397							6.3			
14	2.092	2.48	2.48	7.5	8.1														1.07	7.1	40	4.8	3.2	2.4	250		2.358							0			
15	2.300	2.48	2.48	7.5	8.0								360		2	132		2	0.86	6.5	65	4	2.58	2.03	250		2.201							37.5	0.23	0.25	2
16	2.092	2.48	2.48	7.3	8.1								305		2	110		2	0.748	6.92	60	4.2	2.5	2.04	250		2.061							75.6	0.30	0.31	2
17	1.775	2.48	2.48	7.4	8.1								308		2	103		2	0.768	6.73	62	3.8	2.53	2	250		2.1						50.4	0.20	0.22	2	
18	1.772	2.48	2.48	7.3	8.0														0.863	6.11	65	3.6	2.4	2	250		1.996							56.7			
19	1.735	2.48	2.48	7.4	8.1														0.67	5.8	65	3.8	2.35	1.88	250		1.9							56.7			
20	1.697	2.48	2.48	7.4	8.0														0.661	7.05	40	4.8	2.17	1.69	250		1.923							25.2			
21	1.691	2.48	2.48	7.3	7.9														0.778	6.81	40	4.3	2.37	1.96	250		1.891							0			
22	2.509	2.48	2.48	7.3	8.0								465		2	124		2	0.677	8.1	50	3.6	2.42	1.82	250		2.714							50.4	0.15	0.45	2
23	2.174	2.48	2.48	7.3	7.8								252		2	158		2	0.675	6.9	55	3.9	2.3	1.88	250		2.479							37.8	0.19	0.22	4
24	1.944	2.48	2.48	7.5	7.9								315		2	126		2	0.686	6.66	60	4.9	2.43	1.99	250		2.237							61.5	0.33	0.22	2
25	1.806	2.48	2.48	7.4	8.0														0.861	6.5	60	5	2.46	2.03	250		2.111							49.2			
26	1.824	2.48	2.48	7.4	7.9														0.7	6.85	55	3.2	2.25	1.84	250		2.08							80.1			
27	1.852	2.48	2.48	7.3	8.0														0.642	6.13	60	3	2.35	1.97	250		2.082							0			
28	1.773	2.48	2.48	7.3	8.1														0.736	6.4	60	2	2.38	1.91	250		2.073							0			
29	1.746	2.48	2.48	7.3	8.0														0.661	8.49	45	3.9	2.34	1.89	250		1.99							18.9			
30	1.742	2.48	2.48	7.3	8.0														0.701	6.85	58	4.2	2.4	1.85	250		1.928							67.8			
31	1.807	2.48	2.48	7.3	8.1														0.701	7.55	50	3.9	2.55	2.09	250		1.991							55.5			
Tot.	70.90	76.88	76.88																	34.11								79.31						1322			
Avg.	2.287	2.48	2.48	7.4	8.0								321		2	126		2	1.1	6.691	52.13	4	2.464	1.969	250.3		2.558							42.64	0.29	0.28	2

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
21781 FLOW
14109 CBOD
29147 TSS

Randolph P. Kustes Jr.
OPERATOR

14555
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0
SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-253-9310
PLANT TELEPHONE

Report Selections: Period: 07/01/2013 00:00 thru 07/31/2013 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
SMN Sewer Main	96911-BH	912 EASTWOOD FISHERVILLE RD		FLOYDS FORK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISDW:DRY WEATHER DISCHARGE	1950885		7/25/13 10:00 am	RICHARDSON	RICHARDSON	REPAIRED - ISSUE RESOLVED	07/25/2013	STRUCTURAL FAILURE	UNAUTHORIZED DISCHAGE - WATERS	07/25/13 11:40 AM	

Discharge Reporting:

Discharge Amount:	10,000 GAL
Cause:	STRUCTURAL FAILURE OF FORCE MAIN
Clean Up:	CONTRACTOR CLEANED & SANITIZED THE AREA
Control Zone:	MSD PERSONNEL ADVISED CUSTOMER TO AVOID CONTACT WITH SEWAGE, CAUTION TAPE & TEMPORARY SIGNS POSTED
Impact:	SEWAGE AND SOLIDS OBSERVED IN THE FIELD & SOME DISCHARGED INTO THE CREEK
Repair:	CONTRACTOR REPAIRING FORCE MAIN
Public Notification:	ADVISED CUSTOMER ON SITE AND PLACED DISCHARGE SIGN AND CAUTION TAPE AROUND THE IMPACTED AREA

Notifications:

7/23/13 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'
7/23/13 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'

Total Facilities Printed: 1

Total Work Orders Printed: 1