



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

March 15, 2014

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

RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for April of 2014

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 April 2014.

There were no exceedences or bypasses to report. Attached is a overflow report.

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 04/14

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 04/01/14 to 04/30/14	DMR Due Date:	05/28/14
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	=	9									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			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	=	51	=	62	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	=	8953	=	9894	26 - lb/d	=	363	=	477	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	2	--	Sample	=	5	=	7	26 - lb/d	=	0.2	=	0.3	19 - mg/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	136 MO AVG	<=	203 MX WK AV	26 - lb/d	<=	5 MO AVG	<=	7.5 MX WK AV	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	372	=	421	26 - lb/d	=	15	=	18	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	=	3.58	=	9.59	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	=	51	=	62	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	=	4210	=	5452	26 - lb/d	=	170	=	234	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	=	99								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
201404FloydsFork_CoverLetter.pdf	pdf	17324
201404FloydsFork_MOR.pdf	pdf	37300
201404_FFWQTC_OverflowReport.pdf	pdf	72192

Report Last Saved By

FLOYDS FORK WQTC MSD

User: millsr@louisvillemsd.org	Date/Time: 2014-05-20 16:01 (Time Zone: -04:00)
Name: Richard Mills	
E-Mail: millsr@louisvillemsd.org	

NAME OF TREATMENT PLANT FLOYDS FORK
 KPDES PERMIT NUMBER KY0102784

COUNTY JEFFERSON
 PLANT CAPACITY 3.5 MGD

MONTH OF: April 2014
 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	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	MAST	ED	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)
																															GALLONS X 1000	% VOLATILE SOLIDS	% DRY SOLIDS	GALLONS X 1000	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000			
1	2.234	2.48	2.48		7.5			9.4			364		2	144		2	0.864	5.45	50	7	2.08	1.77	300		2.368								55	0.40	0.23	2			
2	2.358	2.48	2.48		7.7			9.6			336		2	127		2	0.902	7.81	45	6.9	2.11	1.89	250		2.37							1.017	55	0.38	0.06	2			
3	3.395	2.48	2.48		7.6			9.4			466		2	137		2	1.76	4.56	55	6.5	2.04	1.79	260		4.684								49.5	0.40	0.24	5			
4	9.592	2.48	2.48		7.8			9.9									2.974	7.33	50	7	2.98	2.31	210		10.678								27.5	0.36					
5	5.659	2.48	2.48		7.6			9.8									1.684	7.2	48	5.6	2.1	1.75	220		5.704								31.5						
6	4.636	2.48	2.48		7.8			9.7									1.816	7.93	53	7.9	2.56	2.24	280		4.536								0						
7	4.554	2.48	2.48		7.8			10.0									2.46	6.44	40	6.9	2.59	2.16	300		4.476								23.6						
8	4.485	2.48	2.48		7.6			10.0			180		2	92		2	2.746	6.42	40	5.9	2.51	2.11	300		4.356								12.6	0.42	0.29	2			
9	3.597	2.48	2.48		7.3			9.9			248		2	84		2	2.043	7.15	58	6.3	2.53	2.08	300		3.548							1.096	77.3	0.28	0.18	2			
10	3.145	2.48	2.48		7.9			9.8			308		2	190		2	1.44	7.65	56	5.6	2.59	2.19	300		3.119								80.2	0.30	0.22	2			
11	2.807	2.48	2.48		7.8			9.7									1.898	7.49	56	6	2.53	2.16	300		2.771								39.3						
12	2.751	2.48	2.48		7.7			9.8									1.649	7.59	56	5.5	2.53	2.11	300		2.751								0						
13	2.794	2.48	2.48		7.8			9.7									1.49	7.7	54	5	2.49	2.11	300		2.754								0						
14	3.113	2.48	2.48		7.9			9.5									1.65	7.28	63	4.2	2.75	2.23	300		2.904								0						
15	4.197	2.48	2.48		8.0			9.6			340		2	186		2	1.432	7.54	57	5	2.6	2.13	300		4.009								30	0.29	0.16	2			
16	3.251	2.48	2.48		7.9			9.8			328		2	167		2	1.326	7.02	59	4.8	2.52	2.05	300		3.136							1.095	64.8	0.21	0.06	2			
17	2.993	2.48	2.48		7.9			9.6			356		2	213		2	1.251	7.62	53	5	2.44	2.12	300		2.815								31.5	0.31	0.18	2			
18	2.710	2.48	2.48		7.8			9.8									1.204	7.25	58	6	2.53	2.09	300		2.667								47.2						
19	2.769	2.48	2.48		7.8			9.7									1.126	4.62	50	4.9	2.4	1.99	310		2.685								0						
20	2.656	2.48	2.48		7.8			10.0									1.281	5.24	60	4.2	2.59	2.2	300		2.622								0						
21	3.330	2.48	2.48		7.7			9.9									0.635	6.73	67	3	2.7	2.2	300		3.059								0						
22	2.497	2.48	2.48		7.9			9.8			444		2	226		2	0.726	7.46	51	5.9	2.228	1.92	260		2.278								11.8	0.27	0.50	2			
23	2.381	2.48	2.48		7.4			9.6			492		2	298		2	0.695	7.14	58	3.6	2.52	2.1	300		2.335								1.103	12.6	0.33	0.22	2		
24	2.394	2.48	2.48		7.3			9.7			496		2	177		2	0.722	7.37	62	3.8	2.79	2.38	300		2.305								110.2	0.32	0.16	2			
25	2.327	2.48	2.48		7.4			9.6									0.712	7.7	53	3.6	2.46	2.05	300		2.23								65.3						
26	2.341	2.48	2.48		7.3			9.9									0.692	7.94	51	3.4	2.44	1.98	300		2.275								68.1						
27	2.578	2.48	2.48		7.3			9.7									0.877	7.62	54	3.5	2.48	2.03	300		2.398								0						
28	4.841	2.48	2.48		7.5			9.7									2.226	7.41	56	3.6	2.49	2.08	280		5.808								0						
29	5.733	2.48	2.48		7.4			10.0									2.16	8.2	53	4.9	2.63	2.27	260		5.503								0						
30	5.196	2.48	2.48		7.3			9.9									1.543	7.65	57	5	2.64	2.2	280		4.413								1.276	35.4					
31																																							
Tot.	107.32	74.4	74.4														43.984									107.56								928.4					
Avg.	3.577	2.48	2.48		7.7			9.8			363		2	170		2	1.46613	7.084	54.1	5.217	2.495	2.09	287		3.5852							1.1174	30.947	0.33	0.21	2			

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 34069 FLOW
 29848 CBOD
 51594 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: 04/01/2014 00:00 thru 04/30/2014 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	2141538		4/4/14 10:00 am	DAVIS	BLANFORD	DOCUMENTED	03/09/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	04/04/14 11:45 AM	

Discharge Reporting:

Discharge Amount:	2,625 GAL
Cause:	lack of system capacity
Clean Up:	msd to clean and sanitize affected area
Control Zone:	caution tape and temp signs
Impact:	sewage solids and debris
Repair:	area included in ioap
Public Notification:	advised customers on site

Notifications:

4/4/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
----------------	--------	---

Total Facilities Printed: 1

Total Work Orders Printed: 1