



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

June 20, 2013

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

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

A handwritten signature in black ink that reads "Richard Mills". The signature is written in a cursive style with a large, prominent "R" and "M".

Richard Mills
Process Supervisor of Metro Operations

RM/ Floyds Fork 05/13

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 05/01/13 to 05/31/13	DMR Due Date:	06/28/13
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	=	9				=	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	=	7.7				=	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	=	43	=	54	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	=	9850	=	11955	26 - lb/d	=	490	=	572	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	=	17	=	42	26 - lb/d	=	0.8	=	2	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	=	301	=	328	26 - lb/d	=	16	=	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	=		=			=	0.4	=	0.6	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	=	2.41	=	5.63	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	=		=			=	5	=	17	13 - #/100mL	0	13/30 - 13 Per Month 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	=	40	=	47	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	=	3361	=	3698	26 - lb/d	=	173	=	211	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	=	100								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
FF052013_Coverletter.pdf	pdf	15289
FF052013_MOR.pdf	pdf	63684
FF052013_OverflowReport.pdf	pdf	18699

Report Last Saved By

FLOYDS FORK WQTC MSD

User: millsr@louisvillemsd.org	Date/Time: 2013-06-26 15:17 (Time Zone: -04:00)
Name: Richard Mills	
E-Mail: millsr@louisvillemsd.org	

NAME OF TREATMENT PLANT FLOYDS FORK

COUNTY JEFFERSON

MONTH OF: May 2013

KPDDES 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	MASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	GALLONS X 1000	RAW			HAULED		PHOSPHORUS TOTAL (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)
																											% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000			
1	2.07	2.48	2.48	7.2	8.0				11.0		396	2	146	2	1.1	5.54	60	3.9	2.52	2.01	250		2,624						12.6	0.41	1.20	2		
2	2.00	2.48	2.48	7.3	7.7				9.6		418	2	168	2	1	5.64	60	2.8	2.41	2.03	250		2,504						50.4	0.42	1.30	2		
3	1.99	2.48	2.48	7.1	8.0				9.6						0.3	6.12	67	2.9	2.44	2.06	250		2,462					50.4						
4	2.08	2.48	2.48	7.4	8.1				9.5						0.796	6.99	60	2.8	2.47	1.96	260		2,562					12.6						
5	3.81	2.48	2.48	7.1	8.0				9.9		420		3	114	2	2.06	8.02	55	2.8	2.53	1.49	260		5,092				0	0.49	2.60	3			
6	3.56	2.48	2.48	7.2	8.0				9.8						1.32	6.21	67	5.6	2.44	2.01	250		4,114					63						
7	2.85	2.48	2.48	7.4	8.1				9.6						1.37	6.12	72	5.9	2.65	2.24	260		3,367					44.1						
8	2.39	2.48	2.48	7.4	8.2				9.7		362	2	133	2	1.24	5.22	80	5.2	2.65	2.15	280		3,002					100.2	0.29	0.14	6			
9	2.20	2.48	2.48	7.4	8.1				9.7		420	2	162	2	1.37	6.73	61	5	2.43	1.93	300		2,773					119.7	0.24	0.39	20			
10	3.80	2.48	2.48	7.4	8.2				10.0						1.87	6.05	70	4.2	2.65	2.15	300		5,744					84.5						
11	5.63	2.48	2.48	7.4	7.9				10.0						1.41	5.43	70	4	2.48	1.98	250		6,225					0						
12	3.96	2.48	2.48	7.3	8.0				10.0		635	2	166	2	1.11	6	70	5.2	2.5	1.96	250		4,299					12.6	0.29	0.51	3			
13	3.34	2.48	2.48	7.4	7.9				10.0						0.519	7.39	55	6.2	2.37	1.9	260		3,551					100.8						
14	2.33	2.48	2.48	7.3	8.2				9.3						0.804	6.39	58	5.4	2.17	1.75	250		2,912					56.7						
15	2.17	2.48	2.48	7.4	8.2				9.2		445	2	164	2	0.674	7.85	47	3.9	2.15	1.69	250		2,725					63	0.30	0.35	8			
16	2.23	2.48	2.48	7.4	7.9				9.0		518	2	213	2	0.66	7.46	50	3.1	2.19	1.77	250		2,731					100.8	0.38	0.26	2700			
17	2.10	2.48	2.48	7.4	7.9				9.2						0.591	7.59	50	2.8	2.26	1.91	250		2,587					75						
18	2.09	2.48	2.48	7.4	8.2				9.6						0.366	8.76	43	2.3	2.25	1.9	250		2,573					0						
19	2.07	2.48	2.48	7.0	8.1				9.3		550	2	176	2	0.533	12.2	25	2.5	1.78	1.44	240		2,573					0	0.35	1.00	2			
20	1.94	2.48	2.48	7.3	8.2				8.9						0.554	6.78	52	2.3	2.17	1.75	250		2,442					99.3						
21	1.90	2.48	2.48	7.3	7.9				9.1						0.659	8.5	40	3.8	2.02	1.64	210		2,345					12.6			2			
22	1.99	2.48	2.48	7.3	8.2				9.0		635	2	215	2	0.537	5.4	70	3.5	2.31	1.9	250		2,432					0	0.63	0.06	2			
23	1.99	2.48	2.48	7.3	8.0				9.3		502	2	208	2	0.662	6.35	55	3.7	2.08	1.78	240		2,448					67.8	0.80	0.62	2			
24	1.77	2.48	2.48	7.3	8.0				9.2						0.554	7.61	46	3.9	2.05	1.77	220		2,258					111.9						
25	1.78	2.48	2.48	7.3	8.0				9.3						0.543	7.01	50	5.2	2.05	1.7	230		2,234					18.9						
26	1.77	2.48	2.48	7.3	8.0				9.0						0.586	7.18	50	5.5	2.09	1.69	230		2,223					0						
27	1.88	2.48	2.48	7.4	7.9				9.2		580	2	210	2	0.535	6.25	60	2.6	2.2	1.81	230		2,346					55.5	0.37	0.96	2			
28	1.77	2.48	2.48	7.4	7.9				8.9						0.663	7.1	50	2.2	2.06	1.67	230		2,254					88.2						
29	1.73	2.48	2.48	7.3	8.0				9.0						0.608	6.32	60	5	2.2	1.79	220		2,201					63						
30	1.71	2.48	2.48	7.4	8.0				9.6						0.539	9.35	40	4.7	2.14	1.77	230		2,127					56.7						
31	1.84	2.48	2.48	7.4	8.3				9.5						0.596	8.72	41	4.7	2.06	1.72	220		2,215					37.8						
Tot.	74.71	76.88	76.88												26.129																			
Avg.	2.410	2.48	2.48	7.3	8.0				9.5		490	2	173	2	0.84287	7.041	55.94	3.987	2.283	1.849	247.4		2,966					50.26	0.41	0.78	5			

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
22953
FLOW

20444
CBOD

46907
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: Last Full Month: 05/2013, 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	80351B-AG	14310 LAKE FOREST DR		FLOYDS FORK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	1925729		05/27/2013		OPS BSHIFT CENTRAL	REPAIRED - ISSUE RESOLVED	05/28/2013	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	05/27/13 05:00 PM	

Discharge Reporting:

Discharge Amount:	4,050 GAL
Cause:	Force Main Break
Clean Up:	MSD personnel will clean and sanitize the area
Control Zone:	MSD USED TEMP SIGNS TO NOTIFY PUBLIC
Impact:	Sewage and debris observed
Repair:	Maintenance will repair the force main
Public Notification:	MSD USED TEMP SIGNS TO NOTIFY PUBLIC

Notifications:

DISNOT	Email notification sent manually on 5/17/13 to EPA and KDOW by Dan French due to Hansen System Upgrade.
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