



Metropolitan Sewer District

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

July 23, 2013

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

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

There were no exceedences, bypasses or overflows to report.

Also attached is the 2nd quarter Biomonitoring DMR.

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 06/13

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 06/01/13 to 06/30/13	DMR Due Date:	07/28/13
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	=	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	=	7.5				=	8.2			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	=	32	=	40	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	=	7078	=	8183	26 - lb/d	=	451	=	487	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	=	13	=	25	26 - lb/d	=	0.7	=	1	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	=	293	=	301	26 - lb/d	=	19	=	21	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	=		=			=	0.2	=	0.3	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	=	2.14	=	5.79	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	=		=			=	3	=	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	=	32	=	40	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	=	2603	=	2920	26 - lb/d	=	168	=	201	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
Floyds Fork DMR June of 2013

Attachments

Name	Type	Size
201306FloydsFork_Coverletter.pdf	pdf	16566
201306FoydsFork_mor.pdf	pdf	62391

Report Last Saved By

FLOYDS FORK WQTC MSD

User: millsr@louisvillemsd.org

Date/Time: 2013-07-24 18:04 (Time Zone: -04:00)

Name: Richard Mills

E-Mail: millsr@louisvillemsd.org

DMR Copy of Record

Permit					
Permit #:	KY0102784	Permittee:	FLOYDS FORK WQTC MSD	Facility:	FLOYDS FORK WQTC MSD
Major:	Yes	Permittee Address:	1100 BLUE HERRON RD LOUISVILLE, KY 40245	Facility Location:	1100 BLUE HERRON RD LOUISVILLE, KY 40245
Permitted Feature:	001 External Outfall	Discharge:	001-Y QUARTERLY METALS/BIOMONITORING		

Report Dates & Status					
Monitoring Period:	From 04/01/13 to 06/30/13	DMR Due Date:	07/28/13	Status:	NetDMR Validated

Considerations for Form Completion

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

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		
00900	Hardness, total (as CaCO3)	1 - Effluent Gross	0	--	Sample						=	248		=	248	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												01/30 - Monthly	CP - COMPOS			
					Value NODI																
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.031		=	0.031	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												01/90 - Quarterly	CP - COMPOS			
					Value NODI																
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001		<	0.001	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												01/90 - Quarterly	CP - COMPOS			
					Value NODI																
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.08		<	0.08	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												01/30 - Monthly	CP - COMPOS			
					Value NODI																
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.006		<	0.006	19 - mg/L	01/90 - Quarterly	CP - COMPOS			
					Permit Req.												01/90 - Quarterly	CP - COMPOS			
					Value NODI																
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample									<	1	2G - tox chronic	01/90 - Quarterly	CP - COMPOS			
					Permit Req.											<=	1 DAILY MX	2G - tox chronic	0	01/90 - Quarterly	CP - COMPOS
					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
Floyds Fork 2nd Quarter Bio-DMR

Attachments
No attachments.

Report Last Saved By
FLOYDS FORK WQTC MSD

User:	millsr@louisvillemd.org	Date/Time:	2013-07-24 18:09 (Time Zone: -04:00)
Name:	Richard Mills		
E-Mail:	millsr@louisvillemd.org		

NAME OF TREATMENT PLANT FLOYDS FORK

COUNTY JEFFERSON

MONTH OF: June 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	RETURN GAL/DAY X 1000	MLSS X1000	WAST ED 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)	
1	1.984	2.48	2.48	7.5	7.9				9.6							0.548	6.61	53	4	2.03	1.65	200				2.435				0					
2	1.900	2.48	2.48	7.5	7.8				9.8		450		2	162		0.614	5	68	4.3	2.15	1.55	200				2.354				0	0.32	0.67	2		
3	1.703	2.48	2.48	7.5	7.8				9.6		530		2	202		0.502	4.3	70	4.7	1.87	1.61	210				2.208				63	0.25	0.84	2		
4	1.667	2.48	2.48	7.5	7.8				9.8		445		2	239		0.529	6.6	48	5.3	1.92	1.54	200				2.116				113.4	0.21	0.84	5		
5	1.648	2.48	2.48	7.3	8.1				9.5							0.529	7.46	42	3.3	1.83	1.48	200				2.042				75.6					
6	1.833	2.48	2.48	7.3	8.0				9.3							0.599	7.06	43	2.3	1.84	1.5	200				2.211				0					
7	1.705	2.48	2.48	7.2	7.9				9.0							0.497	7.01	46	2.5	1.97	1.56	220				2.113				12.6					
8	1.606	2.48	2.48	7.3	8.0				8.8							0.56	5.11	40	2	1.73	1.4	250				2.051				0					
9	1.618	2.48	2.48	7.0	7.5				9.2		452		2	169		0.689	6.41	40	3.3	2.09	1.77	250				2.007				0	0.10	0.78	4		
10	2.024	2.48	2.48	7.4	8.0				8.9		388		2	198		1.071	7.1	50	2.9	2.15	1.8	240				2.419				63	0.10	0.82	2		
11	1.750	2.48	2.48	7.4	7.9				8.2		396		2	60		0.549	7.54	45	4	2.03	1.81	200				2.219				63	0.11	0.67	4		
12	1.640	2.48	2.48	7.4	7.9				8.0		465			158		0.655	6.47	55	4.3	2.18	1.78	210				2.104				37.8					
13	1.643	2.48	2.48	7.6	8.0				8.1							0.58	7.11	46	3.8	2	1.8	210				2.044				44.1					
14	1.511	2.48	2.48	7.5	7.9				8.2							1.93	7.54	52	2.3	2.4	2.09	200				1.924				44.1					
15	1.526	2.48	2.48	7.4	8.1				8.4							1.11	7.08	45	3.9	1.85	1.67	240				1.927				0					
16	1.690	2.48	2.48	7.5	7.9				8.2		442		2	186		0.571	6.17	45	2.3	2.01	1.78	210				2.03				0	0.10	0.32	2		
17	2.329	2.48	2.48	7.3	8.1				8.5		545		2	144		0.829	4.24	42	2.4	1.94	1.7	250				3.334				56.7	0.13	2.50	4		
18	3.242	2.48	2.48	7.3	7.9				8.0		286		2	94		1.11	7.5	40	1.8	2.15	1.84	210				3.828				75.6	0.10	0.78	2		
19	2.773	2.48	2.48	7.4	8.1				8.2							0.989	7.21	55	5.4	2.44	1.97	250				2.657				56.7					
20	1.956	2.48	2.48	7.4	8.0				8.1							0.54	7.42	45	6.2	2.01	1.79	210				2.359				31.5					
21	1.789	2.48	2.48	7.4	8.2				8.2							0.598	7.23	52	3	2.35	2.02	250				2.177				31.5					
22	1.821	2.48	2.48	7.4	8.0				8.3							0.703	7.75	50	2.6	2.38	2	250				2.155				0					
23	1.856	2.48	2.48	7.4	8.0				8.3		445		2	156		0.632	7.21	40	2.8	2.2	1.57	240				2.225				37	0.11	0.28	2		
24	1.826	2.48	2.48	7.4	8.0				8.2		568		2	202		0.591	6.51	57	4	2.36	1.87	250				2.176				50.4	0.13	0.13	2		
25	1.684	2.48	2.48	7.4	8.0				8.3		448		2	211		0.42	6.08	62	4.3	2.35	1.98	250				2.058				50.4	0.16	0.27	2		
26	3.390	2.48	2.48	7.4	8.0				7.9							1.45	10.2	35	3	2.07	1.81	240				4.9				25.2					
27	5.786	2.48	2.48	7.5	8.1				8.6							1.199	9.15	35	4.6	1.75	1.51	180				6.266				50.4					
28	3.158	2.48	2.48	7.4	8.2				8.3							1.435	8.39	45	4.8	2.27	1.89	250				3.544				31.5					
29	2.469	2.48	2.48	7.3	8.2				8.2							1.297	7.4	58	4	2.61	2.15	250				2.848				0					
30	2.544	2.48	2.48	7.3	8.2				8.4							1.337	7.25	55	4.2	2.39	1.95	250				2.891				0					
Tot.	64.07	74.4	74.4													24.663											77.622				1014				
Avg.	2.136	2.48	2.48	7.4	8.0				8.6		451		2	168		0.8221	6.937	48.63	3.61	2.111	1.761	225.7				2.5874				33.78	0.15	0.74	3		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

20340 FLOW 17578 CBOD 38234 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