



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

October 9, 2013

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

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

There were no exceedences, bypasses or overflows to report.

The 3rd quarter Biomonitoring DMR is attached also.

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 09/13

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 09/01/13 to 09/30/13	DMR Due Date:	10/28/13
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	=	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	=	7.6				=	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	=	34	=	41	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	=	5799	=	6210	26 - lb/d	=	358	=	426	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	=	6	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.	<=	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	=	324	=	336	26 - lb/d	=	20	=	26	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	=	0.3	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	=	2.09	=	5.88	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	=	34	=	41	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	=	2041	=	2316	26 - lb/d	=	126	=	159	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
092013FloydsFork_MOR.PDF	pdf	35732
092013FloydsFork_CoverLetter.PDF	pdf	15328

Report Last Saved By

FLOYDS FORK WQTC MSD

User: millsr@louisvillemsd.org

Date/Time: 2013-10-24 15:06 (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 07/01/13 to 09/30/13	DMR Due Date:	10/28/13	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						=	214		=	214	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.													01/30 - Monthly	CP - COMPOS	
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.041		=	0.041	19 - mg/L	0	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	0	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	0	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	0	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	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.										<=	1 DAILY MX		2G - tox chronic	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

Attachments		
Name	Type	Size
092013FloydsFork_CoverLetter.PDF	pdf	15328

Report Last Saved By
FLOYDS FORK WQTC MSD

User:	millsr@louisvillemsd.org	Date/Time:	2013-10-24 15:07 (Time Zone: -04:00)
Name:	Richard Mills		
E-Mail:	millsr@louisvillemsd.org		

NAME OF TREATMENT PLANT FLOYDS FORK

COUNTY JEFFERSON

MONTH OF: September 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	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	MASTED	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	WITHDRAWN GALLONS X 1000	
1	4.229	2.48	2.48	7.3	7.7				8.0								0.946	8.11	40	4	2.09	1.82	230			4.678										
2	2.693	2.48	2.48	7.2	8.0				8.2				330		2	114	2	0.898	7.73	52	5	2.51	2.1	250			3.037					31.5	0.26	0.39	4	
3	2.180	2.48	2.48	7.2	8.1				8.1				310		2	112	2	0.809	7.93	50	5.2	2.46	2.01	250			2.58					56.7	0.29	0.27	4	
4	1.926	2.48	2.48	7.5	8.2				8.0				162		2	80	2	0.846	7.42	55	4.8	2.53	1.99	250			2.94					37.8	0.31	0.24	2	
5	1.881	2.48	2.48	7.2	7.9				7.7								0.788	9.11	42	3.3	2.4	2.02	250			2.219					99.3					
6	1.797	2.48	2.48	7.3	8.3				7.6								0.896	6.73	63	3.1	2.69	2.15	250			2.065					80.4					
7	1.775	2.48	2.48	7.1	8.0				7.9								0.759	7.97	40	2.4	2.46	1.96	250			2.03					6.3					
8	1.847	2.48	2.48	7.2	8.0				7.8				420		2	147	2	0.877	7.91	40	4	2.33	1.96	250			2.09				0	0.42	0.06	8		
9	1.718	2.48	2.48	7.4	8.1				8.0				464		2	175	2	0.706	6.63	58	4	2.36	1.87	250			1.97				50.4	0.35	0.20	2		
10	1.673	2.48	2.48	7.4	8.3				7.9				395		2	156	2	0.683	7.85	52	2.7	2.51	2.03	250			1.89				80.1	0.26	0.14	2		
11	1.697	2.48	2.48	7.2	7.9				7.6								0.675	6.73	62	2.8	2.49	2.02	250			1.85				56.7						
12	1.659	2.48	2.48	7.2	7.6				7.8								0.743	8.68	47	2.5	2.4	1.93	250			1.87				86.4						
13	1.514	2.48	2.48	7.2	7.7				7.4								0.833	5.06	40	4.7	2.4	1.95	250			1.79				44.1						
14	1.509	2.48	2.48	7.2	7.9				7.4								0.557	8.74	40	4.2	2.3	1.81	250			1.79				0						
15	1.562	2.48	2.48	7.2	8.1				8.0				465		2	125	2	0.727	7.11	40	4.7	2.36	1.86	250			1.85				0	0.30	0.19	2		
16	1.587	2.48	2.48	7.4	8.0				7.7				390		2	132	2	0.789	6.66	60	3	2.35	1.89	250			1.805				30	0.30	0.11	2		
17	1.502	2.48	2.48	7.3	8.1				8.1				380		2	174	2	0.763	5.82	67	3	2.3	1.86	250			1.761				43.8	0.33	0.22	2		
18	1.544	2.48	2.48	7.3	8.1				8.0								0.724	6.46	60	3	2.35	1.85	250			1.747				98.7						
19	1.559	2.48	2.48	7.3	7.9				7.9								0.74	7.24	57	3	2.21	1.78	250			1.788				86.4						
20	1.822	2.48	2.48	7.3	7.9				8.7								0.74	7.28	49	3	2.12	1.71	250			2.124				44.1						
21	5.883	2.48	2.48	7.3	7.8				8.1								2.632	8.74	40	3	2.3	1.81	250			7.139				0						
22	2.968	2.48	2.48	7.3	8.0				7.0				256		2	112	2	2.29	5.38	40	4.7	2.23	1.79	250			3.357				0	0.33	0.42	2		
23	2.391	2.48	2.48	7.3	8.1				8.6				325		2	94	2	1.335	5.22	85	5.4	2.66	2.07	250			2.616				56.7	0.31	0.23	2		
24	2.061	2.48	2.48	7.2	8.0				8.1				324		2	117	2	1.348	6.05	77	5.3	2.87	2.28	280			2.441				44.1	0.32	0.25	2		
25	2.206	2.48	2.48	7.4	8.2				7.9								0.811	6	73	4.7	2.67	2.13	250			2.287				56.7						
26	2.219	2.48	2.48	7.2	8.1				8.0								0.682	8.17	50	3.9	2.48	1.99	250			2.238				24.6						
27	1.787	2.48	2.48	7.3	8.0				8.2								0.677	7.2	55	4	2.39	1.94	250			2.114				31.5						
28	1.814	2.48	2.48	7.4	8.1				8.0								0.864	8.24	40	3.8	2.48	2.08	250			2.134				0						
29	1.974	2.48	2.48	7.4	8.0				8.3				464			121		0.716	7.24	40	3.5	2.43	1.94	250			2.203				0					
30	1.827	2.48	2.48	7.2	7.9				7.5				322			101		0.772	7.47	55	2.4	2.53	2.02	250			2.087				0					
31																																				
Tot.	62.80	74.4	74.4														27.596										72.49				1146					
Avg.	2.093	2.48	2.48	7.3	8.0				7.9				358		2	126	2	0.91987	7.2293	52.3	3.77	2.422	1.954	250.3			2.416				38.21	0.32	0.23	3		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
19938 FLOW
12911 CBOD
29735 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