MSD
Metropolitan Sewer District

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

May 2, 2013

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

RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for March of 2013

Dear Ms. Edwards:

On May 2, 2013 MSD discovered that a copy of the March 2013 Hite Creek cover letter (dated April 9, 2013) was incorrectly attached to the Floyds Fork DMR. Further review of the March 2013 Floyds Fork submittal found that only the cover letter was incorrect. MSD is re-submitting the March 2013 Floyds Fork DMR with this corrected cover letter.

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork WQTC for the month of March of 2013

The 1st, Quarter Bio-Monitoring DMR is attached also.

There were no exceedences, bypasses or overflow's to report.

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

Sincerely,

Richard Mills

Richard Mills
Process Supervisor of Metro Operations

RM/ Floyds Fork 03/13

Enclosures

cc: T. Singleton
R. Shaw

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:**	**001-1** MUNICIPAL DISCHARGE		
Report Dates & Status					
Monitoring Period:	**From 03/01/13 to 03/31/13**	**DMR Due Date:**	**04/28/13**	**Status:**	**NetDMR Validated**
Considerations for Form Completion					
Principal Executive Officer					
First Name:	Greg C.	**Title:**	Executive Director	**Telephone:**	502-540-6000
Last Name:	Heitzman				
No Data Indicator (NODI)					
Form NODI:	--				

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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						=	10					19 - mg/L		01/01 - Daily	GR - GRAB
					Permit Req.						>=	7 INST MIN					19 - mg/L	0	03/07 - Three Per Week	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.7			=	8.1	12 - SU		01/01 - Daily	GR - GRAB
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU	0	03/07 - Three Per Week	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	49	=	67	26 - lb/d			=	2	=	2	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	813 MO AVG	<=	1220 MX WK AV	26 - lb/d			<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	7166	=	9099	26 - lb/d			=	313	=	387	19 - mg/L		03/07 - Three Per Week	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	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total (as N)	1 - Effluent Gross	2	--	Sample	=	52	=	115	26 - lb/d			=	2	=	3	19 - mg/L		03/07 - Three Per Week	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	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total (as N)	G - Raw Sewage Influent	0	--	Sample	=	285	=	313	26 - lb/d			=	12	=	15	19 - mg/L		03/07 - Three Per Week	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	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
00665	Phosphorus, total (as P)	1 - Effluent Gross	0	--	Sample								=	0.3	=	0.4	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.								<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	2.82	=	7.27	03 - MGD									999 - See Comments	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample								=	2	=	2	13 - #/100mL		03/07 - Three Per Week	GR - GRAB
					Permit Req.								<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	0	03/07 - Three Per Week	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	49	=	67	26 - lb/d			=	2	=	2	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	271 MO AVG	<=	407 MX WK AV	26 - lb/d			<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	3753	=	4486	26 - lb/d			=	164	=	216	19 - mg/L		03/07 - Three Per Week	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	0	03/07 - Three Per Week	CP - COMPOS
					Value NODI															
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	99					23 - %		01/30 - Monthly	CA - CALCTD
					Permit Req.						>=	85 MO MIN					23 - %	0	01/30 - Monthly	CA - CALCTD
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	99					23 - %		01/30 - Monthly	CA - CALCTD
					Permit Req.						>=	85 MO MIN					23 - %	0	01/30 - Monthly	CA - CALCTD
					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
MILLSR_0422173048_001.pdf	pdf	14594
FFMOR032013.pdf	pdf	63576

Report Last Saved By

FLOYDS FORK WQTC MSD

User:	millsr@louisvillemsd.org	Date/Time:	2013-04-23 12:41 (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 01/01/13 to 03/31/13**	**DMR Due Date:**	**04/28/13**	**Status:**	**NetDMR Validated**
Considerations for Form Completion					
Principal Executive Officer					
First Name:	Greg C.	**Title:**	Executive Director	**Telephone:**	502-540-6000
Last Name:	Heitzman				
No Data Indicator (NODI)					
Form NODI:	--				

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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								=	249	=	249	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample								=	0.045	=	0.045	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	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.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	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.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	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.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	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

Attachments

No attachments.

Report Last Saved By

FLOYDS FORK WQTC MSD

User:	millsr@louisvillemsd.org	Date/Time:	2013-04-23 12:46 (Time Zone: -04:00)
Name:	Richard Mills		
E-Mail:	millsr@louisvillemsd.org		

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: March 2013

KPDES PERMIT NUMBER KY0102784 PLANT CAPACITY 3.5 MGD RECEIVING STREAM FLOYDS FORK

		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		
																		RETURN		WASTED				SETTLED SLUDGE VOLUME		RAW			HAULED					
DATE	TOTAL FLOW (MILLION GALLONS)	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 x1000	GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000	PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)
1	2.252	2.48	2.48	7.4	7.9					10.0								1.27	6.64	50	5.6	3.15	2.63	550		2.813					93			
2	2.293	2.48	2.48	7.4	8.1					11.0								1.25	8	40	4.3	2.97	2.42	550		2.903					0			
3	2.207	2.48	2.48	7.4	8.0					11.0		348		2	196		2	1.71	7.94	45	5	3.38	2.84	540		2.84					0	0.10	0.84	2
4	2.003	2.48	2.48	7.4	8.0					12.0		380		2	210		2	1.3	5.8	58	5.3	3.32	2.69	550		2.587					50.4	0.10	0.06	2
5	2.369	2.48	2.48	7.5	7.9					11.0		434		2	241		2	1.35	5.96	55	5.2	3.24	2.64	580		2.369					99.5	0.16	1.20	2
6	2.954	2.48	2.48	7.5	7.9					11.0								1.37	7.11	48	5.1	3.29	2.83	500		3.539					37.8			
7	2.561	2.48	2.48	7.4	8.1					12.0								2.72	6.82	48	4.9	3.17	2.58	510		3.185					152.6			
8	2.373	2.48	2.48	7.4	8.1					11.0								1.9	6.4	46	5	2.86	2.76	510		3.025					44.1			
9	2.393	2.48	2.48	7.5	8.0					11.0								1.6	6.97	48	5	3.2	2.56	510		2.954					0			
10	2.280	2.48	2.48	7.5	7.9					11.0		534		2	228		2	1.86	5.81	46	5.2	2.58	1.94	500		2.875					0	0.25	2.00	2
11	5.127	2.48	2.48	7.3	8.0					11.0		250		2	128		2	3.7	6.74	52	5.4	3.47	2.77	510		7.183					50.4	0.50	6.20	2
12	4.608	2.48	2.48	7.4	8.0					11.0		168		2	95		2	1.47	6.26	43	5	2.63	2.12	400		5.119					75.6	0.18	1.10	2
13	3.484	2.48	2.48	7.6	8.0					11.0								1.7	6.54	58	5.6	3.87	2.78	510		3.737					100.8			
14	2.408	2.48	2.48	7.4	8.1					11.0								1.95	7.49	47	5	3.46	2.8	500		3.085					74			
15	2.228	2.48	2.48	7.5	8.1					11.0								1.55	6.83	55	5.8	3.58	2.88	520		2.849					81.9			
16	2.149	2.48	2.48	7.6	8.0					11.0								1.78	7.6	45	5.5	3.29	2.79	520		2.779					25.2			
17	2.642	2.48	2.48	7.5	8.1					11.0		388		2	214		2	3.28	7.03	48	5	3.25	2.66	520		4.492					0	0.30	3.50	2
18	7.275	2.48	2.48	7.4	7.8					12.0								4.1	6.01	58	6.8	3.41	2.79	500		8.199					67.8			
19	3.969	2.48	2.48	7.5	7.7					12.0								3.91	5.86	58	7.3	3.27	2.72	450		4.725					87.9			2
20	2.901	2.48	2.48	7.6	7.7					12.0		260		2	127		2	3.31	6	65	6.5	3.53	2.92	450		3.616					94.5	0.18	0.06	2
21	2.446	2.48	2.48	7.5	8.0					11.0		242		2	124		2	3.16	5	70	5.5	3.49	2.88	650		3.142					106.5	0.42	0.73	
22	3.167	2.48	2.48	7.5	8.0					11.0								1.48	4.49	80	6.3	3.44	2.65	650		3.245					75.6			
23	2.198	2.48	2.48	7.5	8.0					11.0								1.38	7.54	45	5.4	3.32	2.7	600		2.769					25.2			
24	2.814	2.48	2.48	7.3	8.0					11.0		342		2	188		2	1.53	7.97	42	5.5	3.29	2.67	600		3.399					0	0.41	4.90	2
25	3.111	2.48	2.48	7.3	8.0					11.0		106		2	76		2	1.87	7.9	42	4.2	3.25	2.56	600		3.706					56.7	0.44	2.60	2
26	2.667	2.48	2.48	7.6	8.1					12.0		306		2	135		2	1.91	7.2	47	5.8	3.23	2.68	600		3.292					55.8	0.41	1.10	2
27	2.426	2.48	2.48	7.3	8.1					11.0								1.95	6	50	3.4	3.16	2.63	650		3.02					99.8			
28	2.174	2.48	2.48	7.4	8.0					11.0								1.97	6.24	54	0.8	3.38	2.74	490		2.835					94.5			
29	2.061	2.48	2.48	7.4	8.0					12.0								2.16	5.97	56	2.1	3.33	2.71	590		2.669					87.9		0.84	
30	2.035	2.48	2.48	7.4	8.0					12.0								1.66	6.1	60	3.4	3.52	2.82	650		2.584					0		1.30	
31	1.959	2.48	2.48	7.3	8.0					11.0								1.64	7.48	50	3.1	3.59	2.91	650		2.452					0			
Tot.	87.54	76.88	76.88															63.79								1738								
Avg.	2.824	2.48	2.48	7.4	8.0					11.2		313		2	164		2	2.058	6.635	51.9	4.968	3.288	2.68	545.5		56.05					#####	0.29	1.89	2

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

FLOW	CBOD	TSS
26893	22650	35120

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