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

March 15, 2013

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

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

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 02/13

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 02/01/13 to 02/28/13**	**DMR Due Date:**	**03/28/13**	**Status:**	**NetDMR Validated**
Considerations for Form Completion					
Parameter 00610 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.					
Principal Executive Officer					
First Name:	Greg	**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						=	7.5			=	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	=	53	=	63	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	=	9602	=	10621	26 - lb/d			=	365	=	443	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	=	26	=	81	26 - lb/d			=	1	=	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	=	412	=	473	26 - lb/d			=	16	=	18	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								=	0.5	=	0.7	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	=	3.16	=	4.11	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								=	3	=	7	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	=	53	=	63	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	=	5545	=	6227	26 - lb/d			=	211	=	240	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 - %		01/28 - Once Every 4 Weeks	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 - %		01/28 - Once Every 4 Weeks	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
201302FFWQTC_Cover.pdf	pdf	13386
201302ffWQTC_MOR.pdf	pdf	10497

Report Last Saved By

FLOYDS FORK WQTC MSD

User:	millsr@louisvillemsd.org	Date/Time:	2013-03-21 13:32 (Time Zone: -04:00)
Name:	Richard Mills		
E-Mail:	millsr@louisvillemsd.org		

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: February 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		
																		RETURN		WASTED				SETTLED SLUDGE VOLUME		RAW			HAULED			PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)
		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			
1	4.112	2.48	2.48	7.6	7.9					11.0								1.83	7.1	48	5.5	3.28	2.61	500		3.136					61.8			
2	3.882	2.48	2.48	7.6	7.9					12.0								1.71	6.41	56	5.9	3.51	2.79	650		2.936					0			
3	3.854	2.48	2.48	7.6	7.5					11.0		294		2	212		2	1.83	6.3	56	5.8	3.44	2.69	640		2.914					0	0.38	0.17	2
4	3.771	2.48	2.48	7.5	8.1					11.0		360		2	201		2	1.95	5.82	58	4.6	3.46	2.8	650		2.79					86.7	0.37	0.22	2
5	3.735	2.48	2.48	7.4	8.0					11.0		338		2	178		2	1.68	6.95	50	5.2	3.29	2.71	620		3.049					18.9	0.51	0.22	2
6	3.152	2.48	2.48	7.4	8.1					12.0								1.72	6.94	55	5.6	3.72	2.93	600		2.822					151.2			
7	2.998	2.48	2.48	7.5	7.8					11.0								1.77	6.34	52	3.3	3.28	2.7	590		2.707					132.5			
8	3.166	2.48	2.48	7.5	7.8					12.0								1.62	6.11	52	2.9	3.13	2.52	500		2.757					31.5			
9	3.022	2.48	2.48	7.4	8.0					11.0								1.48	6.24	55	3.3	3.33	2.72	630		2.725					0			
10	3.155	2.48	2.48	7.6	8.0					12.0		372		2	216		2	1.79	6.04	55	5	3.28	2.72	640		2.773					0	0.45	0.56	2
11	3.098	2.48	2.48	7.4	8.1					11.0		308		2	184		2	1.7	6.47	55	4.6	3.46	2.86	520		2.796					62.7	0.40	0.22	2
12	2.847	2.48	2.48	7.3	8.0					10.0		164		2	204		2	1.77	6.16	55	5.3	3.32	2.69	510		2.555					106.2	0.35	0.45	2
13	2.824	2.48	2.48	7.3	8.1					11.0								1.68	6.2	55	5.4	3.29	2.7	530		2.48					113.1			
14	2.752	2.48	2.48	7.4	7.8					10.0								1.73	5.64	55	5	3.07	2.56	550		2.461					100.8			
15	2.649	2.48	2.48	7.3	7.6					11.0								1.55	5.24	58	4.6	2.98	2.42	550		2.332					63			
16	2.694	2.48	2.48	7.6	8.0					10.5								1.61	4.91	63.4	5.2	3.05	2.44	600		2.4					0			
17	2.672	2.48	2.48	7.4	7.7					10.4		342		2	215		2	1.69	4.9	63.4	5	3.01	2.45	600		2.384					0	0.71	0.34	7
18	2.604	2.48	2.48	7.3	7.7					10.0		490		2	184		2	1.58	6.56	52	4.8	3.29	2.69	550		2.311					63	0.67	0.22	2
19	2.937	2.48	2.48	7.4	8.0					11.0		496		2	214		2	1.55	6.58	50	5	3.21	2.87	550		2.565					94.5	0.62	0.39	2
20	2.728	2.48	2.48	7.3	8.0					11.0								1.52	6.49	45	4.6	2.88	2.69	500		2.427					119.7			
21	2.625	2.48	2.48	7.3	8.0					11.0								1.62	7.27	45	4.8	3.2	2.63	550		2.297					56.7			
22	3.309	2.48	2.48	7.5	8.1					11.0								1.35	7.02	45	4.6	3.11	2.56	520		2.928					94.5			
23	3.130	2.48	2.48	7.3	8.0					11.0								1.52	6.12	50	6	3.16	2.58	550		2.806					50.4			
24	2.963	2.48	2.48	7.3	8.0					11.0		440		2	297		2	1.7	6.26	55	4	3.41	2.88	560		2.684					0	0.35	4.90	2
25	2.772	2.48	2.48	7.4	7.8					11.0		358		2	215		2	1.54	5.38	60	3	3.12	2.61	550		2.442					44.1	0.40	3.60	95
26	3.613	2.48	2.48	7.4	7.8					10.0		422		2	207		2	1.51	6.25	50	3.1	3.05	2.51	550		3.225					105.9	0.40	1.30	2
27	4.093	2.48	2.48	7.4	7.9					10.0								1.34	9.68	32	4.5	3	2.5	500		3.599					81.3			
28	3.304	2.48	2.48	7.4	8.0					11.0								1.3	7.24	43	5.4	3.08	2.52	600		3.159					75.6			
29																																		
30																																		
31																																		
Tot.	88.46	69.44	69.44															45.64								76.46					1714.1			
Avg.	3.159	2.48	2.48	7.4	7.9					10.9		365		2	211		2	1.63	6.379	52.46	4.714	3.229	2.655	566.4		2.73071					61.218	0.47	1.05	3

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

30090	32640	45840
FLOW	CBOD	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