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

June 6, 2014

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

RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for May 2014.

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 2014.

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) 587-5856

Sincerely,

Richard Mills

Richard Mills
Process Supervisor of Metro Operations

RM/ Floyds Fork 05/14

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 05/01/14 to 05/31/14**	**DMR Due Date:**	**06/28/14**	**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:	--				

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						=	9					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			=	8	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	=	62	=	75	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	=	10791	=	11867	26 - lb/d			=	393	=	425	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	1	--	Sample	=	9	=	15	26 - lb/d			=	0.3	=	0.5	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	54 MO AVG	<=	81 MX WK AV	26 - lb/d			<=	2 MO AVG	<=	3 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	=	405	=	416	26 - lb/d			=	15	=	16	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	=	3.33	=	7.43	03 - MGD									99/99 - Continuous	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	=	4	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	=	62	=	75	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	=	4961	=	5320	26 - lb/d			=	174	=	182	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
201405FloydsFork_MOR.pdf	pdf	37252
201405FloydsFork_CoverLetter.pdf	pdf	17156

Report Last Saved By

FLOYDS FORK WQTC MSD

User:	millsr@louisvillemsd.org	Date/Time:	2014-06-23 15:19 (Time Zone: -04:00)
Name:	Richard Mills		
E-Mail:	millsr@louisvillemsd.org		

NAME OF TREATMENT PLANT FLOYDS FORK COUNTY JEFFERSON MONTH OF: May 2014

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	RETURN GAL/DAY X 1000	RETURN MLSS X1000	WASTE GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME 30 MIN.	SETTLED SLUDGE VOLUME 60 MIN.	RAW GALLONS X 1000	RAW % DRY SOLIDS	RAW % VOLATILE SOLIDS	HAULED % DRY SOLIDS	HAULED % VOLATILE SOLIDS	HAULED WITHDRAWN GALLONS X 1000	PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)
1	3.652	2.48	2.48	7.2	7.4					9.8		362		2	195		2	1.363	7.24	56	4	2.48	2.05	280							84.2	0.21	0.17	
2	3.645	2.48	2.48	7.2	7.4					9.6								0.368	7.05	60	3.6	2.59	2.19	300							120.5			2
3	2.984	2.48	2.48	7.4	8.1					10.2								1.156	7.88	50	6.7	2.77	2.33	200							0			
4	2.837	2.48	2.48	7.6	7.9					9.8		432		2	181		2	1.183	7.69	50	3	2.8	2.38	200							0	0.41	0.78	
5	2.731	2.48	2.48	7.3	7.5					10.0		480		2	164		3	0.798	8.06	53	3.2	2.63	2.17	300							0	0.44	0.17	2
6	2.571	2.48	2.48	7.4	7.6					9.9								0.735	7.1	57	3.1	2.49	2.07	300							58.2			2
7	2.505	2.48	2.48	7.3	7.5					9.8								0.714	7.48	58	3.5	2.66	2.17	290					1.034		59			
8	2.508	2.48	2.48	7.4	7.3					9.7		508		2	202		2	0.722	6.83	59	3.7	2.48	2.09	270							59	0.23	0.20	
9	2.483	2.48	2.48	7.4	8.0					9.8								0.783	6.9	56	3.5	2.38	2	270							59.7			2
10	4.251	2.48	2.48	7.2	7.9					9.5								0.675	10.81	45	3	2.2	1.83	290							0			
11	3.789	2.48	2.48	7.3	7.7					9.6		336		2	166		2	0.958	12.46	41	4.4	2.05	1.73	270							0	0.23	0.22	
12	3.189	2.48	2.48	7.3	7.6					9.8		408		2	170		2	0.692	7.86	55	4.2	2.65	2.28	280							0	0.27	0.22	2
13	2.819	2.48	2.48	7.3	7.5					9.6								0.754	6.67	61	3.9	2.49	1.96	290							0			2
14	3.999	2.48	2.48	7.4	7.4					9.7								1.445	8.01	49	3	2.38	2.03	270					1.072		82.8			
15	7.427	2.48	2.48	7.3	7.6					9.6		160		2	105		2	1.565	9.07	41	5	2.26	1.97	250							44.1	0.19	0.15	
16	4.206	2.48	2.48	7.4	7.6					9.9								1.506	7.34	50	3.9	2.67	2.26	280							119.1			2
17	3.986	2.48	2.48	7.3	7.5					9.7								0.49	7.21	50	4.5	2.49	2.08	280							0			
18	3.156	2.48	2.48	7.4	7.4					9.5		412		2	218		2	0.794	7.8	51	5	2.42	2.05	280							0	0.21	0.17	
19	2.954	2.48	2.48	7.3	7.8					9.3		360		2	137		2	0.747	6.68	51	3	2.09	1.81	250							0	0.14	0.16	2
20	2.803	2.48	2.48	7.4	7.8					9.5								0.788	4.48	50	4	20.9	1.77	250							0			2
21	2.773	2.48	2.48	7.4	7.8					9.6								0.646	6.74	50	3.8	2.05	1.73	250					1.135		81.9			
22	5.064	2.48	2.48	7.3	8.1					9.9		320		2	163		2	0.763	9.64	34	3.5	1.97	1.69	250							62.1	0.30	0.42	
23	3.375	2.48	2.48	7.5	7.5					9.8								0.84	7.24	47	5	2.1	1.79	240							103.5			2
24	3.024	2.48	2.48	7.4	7.6					9.6								0.837	8.06	40	4.4	2.12	1.78	250							0			
25	2.833	2.48	2.48	7.3	7.4					9.7								1.664	7.5	40	3.2	2.03	1.72	250							0			
26	2.900	2.48	2.48	7.4	7.5					9.8		556		3	210		2	0.705	7.42	46	3.5	2.1	1.75	250							0	0.31	0.65	
27	2.755	2.48	2.48	7.2	7.6					9.5		376		2	174		2	0.78	7.02	53	2.9	2.29	1.83	250							0	0.16	0.50	20
28	2.640	2.48	2.48	7.3	7.4					9.6								0.847	7.23	52	3.8	2.28	1.93	250					1.119		87.8			2
29	2.881	2.48	2.48	7.4	7.5					9.6								0.715	7.51	45	4.6	2.07	1.75	250							50.4			
30	3.398	2.48.	2.48	7.2	7.7					9.5								0.707	8.55	43	3.8	2.2	1.87	250							90			
31	3.034	2.48	2.48	7.3	7.7					9.3								0.726	8	43	5.1	2.19	1.87	230							43.5			
Tot.	103.17	74.4	74.4															27.47																
Avg.	3.328	2.48	2.48		7.6					9.7		393		2	174		2	0.886	7.727	49.55	3.929	2.945	1.965	261.9					1.09		38.9	0.26	0.32	2

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

31696	26369	51878	Randolph P Kustes Jr.	14555
FLOW	CBOD	TSS	OPERATOR	CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-253-9310

PLANT TELEPHONE