



July 2, 2014

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

**RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for June of 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 June 2014..

There were no exceedences , bypasses or overflows to report.

The 2nd Quarter Bio-Monitoring 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 06/14

Enclosures

cc: T. Singleton
R. Shaw



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:	FLOYDS FORK WQTC MSD	Facility Location:	1100 BLUE HERRON RD LOUISVILLE, KY 40245

Report Dates & Status			
Monitoring Period:	From 06/01/14 to 06/30/14	DMR Due Date:	07/28/14
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	=	9									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				=	8			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	=	45	=	48	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	=	9274	=	11475	26 - lb/d	=	449	=	571	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	=	5	=	8	26 - lb/d	=	0.3	=	0.4	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	=	398	=	424	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	=	2.4	=	2.86	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	=		=			=	2	=	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	=	41	=	46	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	=	4100	=	4425	26 - lb/d	=	199	=	220	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

Attachments

Name	Type	Size
201406FloydsFork_CoverLetter.pdf	pdf	16970
201406FloydsFork_MOR.pdf	pdf	37545

Report Last Saved By

FLOYDS FORK WQTC MSD

User: millsr@louisvillemsd.org

Date/Time: 2014-07-24 15:25 (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 04/01/14 to 06/30/14	DMR Due Date:	07/28/14	Status:	NetDMR Validated

Considerations for Form Completion					
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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						=	237	=	237	19 - mg/L		01/30 - Monthly	CP - COMPOS	
					Permit Req.														
					Value NODI														
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.026	=	0.026	19 - mg/L		01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					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.														
					Value NODI														
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.05	<	0.05	19 - mg/L		01/30 - Monthly	CP - COMPOS	
					Permit Req.														
					Value NODI														
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.002	<	0.002	19 - mg/L		01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					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			
					Value NODI														

Submission Note
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Edit Check Errors
 No errors.

Comments

Attachments		
Name	Type	Size
201406FloydsFork_CoverLetter.pdf	pdf	16970

Report Last Saved By
FLOYDS FORK WQTC MSD

User:	millsr@louisvillemsd.org	Date/Time:	2014-07-24 15:26 (Time Zone: -04:00)
Name:	Richard Mills		
E-Mail:	millsr@louisvillemsd.org		

NAME OF TREATMENT PLANT FLOYDS FORK
 KPDES PERMIT NUMBER KY0102784

COUNTY JEFFERSON
 PLANT CAPACITY 3.5 MGD

MONTH OF: June 2014
 RECEIVING STREAM FLOYDS FORK

DATE	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			
	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 X 1000	GAL/DAY X 1000	WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME	30 MIN.	60 MIN.	RAW			HAULED			PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)
																												GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000			
1	2.856	2.48	2.48		7.7									422	2	169	2	0.701	8.1	40		5	2.06	1.74	210			2.637					0	0.35	0.18	
2	2.706	2.48	2.48		7.6									384	2	159	2	0.72	6.85	50		4.6	2.09	1.79	250			2.443					0	0.23	0.22	2
3	2.756	2.48	2.48		7.5									432	2	201	2	0.738	6.2	54		3.8	2.06	1.72	240			2.387					0	0.28	0.11	2
4	2.573	2.48	2.48		7.6													0.741	6.44	56		4	2.2	1.87	250			2.301			1.012	69.3			2	
5	2.503	2.48	2.48		7.6													0.648	5.53	62		3.8	2.11	1.78	260			2.261				107.1				
6	2.373	2.48	2.48		7.6													0.741	5.98	62		4.1	2.24	1.91	260			2.157				12.6				
7	2.402	2.48	2.48		7.5													0.643	7.1	51		4.3	2.2	1.89	260			2.168				0				
8	2.430	2.48	2.48		7.4									604	3	225	2	0.613	6.98	52		3.9	2.23	1.9	260			2.18				0	0.18	0.17		
9	2.331	2.48	2.48		7.5									460	2	197	2	0.601	6.47	52		3.8	2.02	1.74	250			2.118				0	0.13	0.12	4	
10	2.450	2.48	2.48		7.4									648	2	239	2	0.626	6.71	52		4.3	2.15	1.84	250			2.234				63	0.15	0.23	2	
11	2.743	2.48	2.48		7.5													0.551	6.24	58		3.8	2.2	1.81	250			2.563			1.209	63			2	
12	2.576	2.48	2.48		7.8													0.508	7.74	46		4	2.14	1.85	260			2.49				63				
13	2.361	2.48	2.48		7.7													0.534	5.36	62		4.2	2.02	1.79	250			2.247				0				
14	2.334	2.48	2.48		7.5													0.537	8.2	40		4	2.01	1.71	250			2.225				0				
15	2.321	2.48	2.48		7.6									400	2	181	2	0.636	8.14	40		4.3	2.03	1.73	250			2.202				0	0.13	0.34		
16	2.337	2.48	2.48		7.8									440	2	202	2	0.61	4.55	75		4	2.09	1.78	250			2.166				0	0.14	0.20	2	
17	2.220	2.48	2.48		7.8									392	2	219	2	0.607	4.9	67		3.8	1.99	1.73	250			2.103				0	0.17	0.22	2	
18	2.180	2.48	2.48		7.8													0.583	6.37	53		3.5	2.05	1.77	250			2.094			1.171	63			2	
19	2.133	2.48	2.48		7.9													0.631	8.28	40		3.1	2	1.71	250			2.028				88.2				
20	2.302	2.48	2.48		7.9													0.625	6.5	49		3.2	1.95	1.66	250			2.153				74.1				
21	2.445	2.48	2.48		7.9													0.507	6.12	54		3	2	1.75	250			2.364				12.6				
22	2.459	2.48	2.48		7.9									352	2	205	2	0.576	8.01	40		3.4	1.97	1.68	250			2.402				0	0.24	0.45		
23	2.451	2.48	2.48		7.9									380	2	177	2	0.678	5.03	62		3	1.92	1.67	250			2.395				0	0.36	0.28	2	
24	2.451	2.48	2.48		7.8									472	3	214	2	0.645	5.95	55		3.6	2.02	1.76	250			2.414				0	0.40	0.46	2	
25	2.450	2.48	2.48		7.8													0.659	6.5	51		3.4	2.01	1.73	250			2.449			1.21	25.2			2	
26	2.250	2.48	2.48		7.7													0.674	6.44	53		4.1	2.09	1.78	250			2.275				69.3				
27	2.096	2.48	2.48		7.5													0.617	6.58	52		4.3	2.08	1.75	250			2.057				141.3				
28	2.131	2.48	2.48		7.6													0.637	5.08	62		3.9	1.92	1.62	250			2.066				0				
29	2.129	2.48	2.48		7.8													0.788	6.52	50		3.6	2.01	1.72	250			2.111				0				
30	2.217	2.48	2.48		7.8													0.697	4.67	64		3.5	1.82	1.54	250			2.072				63				
31																																				
Tot.	71.97	74.4	74.4															19.072											67.762				914.7			
Avg.	2.399	2.48	2.48		7.7									449	2	199	2	0.63573	6.451	53.47		3.843	2.716	1.757	250			2.2587333			1.1505	30.49	0.23	0.25	2	

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 22846 FLOW
 23419 CBOD
 42760 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