

R/S

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 24, 2011

Crystal Thompson
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for February of 2011

Dear Ms. Thompson:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork WQTC for the month of February 2011.

There were no exceedences ,bypass reports or overflow reports for this month.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5856.

Sincerely,



Richard Mills
Process Supervisor, East Region

RM/ Floyds Fork 2.11

Enclosures

cc: C. Roth (DOW Louisville)
T. Singleton
R. Shaw



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com

NAME FLOYDS FORK WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY FLOYDS FORK WQTC MSD

KY0102784
PERMIT NUMBER

001 1
DISCHARGE NUMBER

MAJOR (SUBR LV)
F - FINAL JEFFE
MUNICIPAL DISCHARGE
EFFLUENT
[] No Discharge

LOCATION LOUISVILLE KY 40245

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	02	01		11	02	28

ATTN: DENNIS THOMASSON SR. METRO OPS

NOTE: Read instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO) 00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	10	*****	*****	(19) MG/L	0	1/1	GR
PH	PERMIT MEASUREMENT	*****	*****	***	7 INST. MIN	*****	*****	(19) MG/L		THREE/WEEK	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	7.8	*****	8.5	(12) SU	0	1/1	GR
SOLIDS, TOTAL SUSPENDED 00530 G 0 0 RAW SEW/INFLUENT	PERMIT MEASUREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	(12) SU		THREE/WEEK	GRAB
SOLIDS, TOTAL SUSPENDED 00530 G 0 0 RAW SEW/INFLUENT	PERMIT MEASUREMENT	4576	5514	(26) LBS/DY	*****	169	216	(19) MG/L	0	3/7	CP
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS
NITROGEN, AMMONIA TOTAL (AS N) 00610 G 0 0 RAW SEW/INFLUENT	PERMIT MEASUREMENT	175	345	(26) LBS/DY	*****	6	11	(19) MG/L	0	3/7	CP
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	813 MO AVG	1220 MX WK AV	(26) LBS/DY	*****	30 MO AVG	45 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS
NITROGEN, AMMONIA TOTAL (AS N) 00610 G 0 0 RAW SEW/INFLUENT	PERMIT MEASUREMENT	390	425	(26) LBS/DY	*****	14	16	(19) MG/L	0	3/7	CP
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	9	17	(26) LBS/DY	*****	0.4	0.8	(19) MG/L	0	3/7	CP
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	136 MO AVG	203 MX WK AV	(26) LBS/DY	*****	5 MO AVG	7.5 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	****	*****	0.2	0.5	(19) MG/L	0	3/7	CP
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	****	*****	1.0 MO AVG	1.5 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H J SCHARDEIN
EXECUTIVE DIRECTOR
TYPED OR PRINTED

Richard Mills
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
502 540-6000
AREA NUMBER
CODE

DATE
11 03 24
YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME FLOYDS FORK WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY FLOYDS FORK WQTC MSD

KY0102784
PERMIT NUMBER

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MAJOR (SUBR LV)
F - FINAL JEFFE
MUNICIPAL DISCHARGE
EFFLUENT
[] No Discharge

LOCATION LOUISVILLE KY 40245
ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	02	01		11	02	28

NOTE: Read instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	PERMIT MEASUREMENT	3.63	9.90	(03) MGD	*****	*****	*****	***	0	CN	CN
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTINUOUS
COLIFORM, FECAL GENERAL 74055 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	50	190	(13) 100ML	0	12	GR
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/WEEK	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0	SAMPLE MEASUREMENT	2213	2368	(26) LBS/DY	*****	77	94	(19) MG/L	0	12	CP
RAW SEW/INFLUENT	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L		THREE/WEEK	COMPOS
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0	SAMPLE MEASUREMENT	63	82	(26) LBS/DY	*****	2	3	(19) MG/L	0	12	CP
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	271 MO AVG	407 MX WK AV	(26) LBS/DY	*****	10 MO AVG	15 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS
BOD, CARB 5-DAY, 20 DEG C, PERCENT REMVL 80091 K 0 0	SAMPLE MEASUREMENT	*****	*****	***	97	*****	*****	(23) CENT	0	12	CA
PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0	SAMPLE MEASUREMENT	*****	*****	***	97	*****	*****	(23) CENT	0	12	CA
PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER H J SCHARDEIN EXECUTIVE DIRECTOR	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C 1001 AND 33 U.S.C 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.					TELEPHONE		DATE			
TYPED OR PRINTED						502 540-6000		11 03 24			
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA CODE	NUMBER	YEAR	MO	DAY	

Richard Mills

NAME OF TREATMENT PLANT FLOYDS FORK

COUNTY JEFFERSON

MONTH OF: February 2011

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	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	3.79	2.48	2.48	8.4	8.4				11.4		198		28	67		2	2.03	5530	5100	3.3	2670	2030	450									6930	0.13	0.06	8
2	5.09	2.48	2.48	8.5	8.5				11.9		97		2	64		2	2.14	7430	4600	2.6	2500	1880	400									6930	0.14	0.06	4
3	3.79	2.48	2.48	8.3	8.4				12.1		123		2	64		2	1.56	7230	3900	5.2	2570	1960	420					1.64			6930	0.15	0.06	4	
4	3.29	2.48	2.48	8.3	8.5				11.4								1.32	6000	4800	4	2750	2120	450								6000				
5	3.55	2.48	2.48	8.3	8.4				11.8								1.5	4890	5500	3	2590	1960	450								6300				
6	3.53	2.48	2.48	8.2	8.2				11.9								1.54	4400	0	2.2	2710	2030	450								0				
7	3.55	2.48	2.48	7.8	8.1				11.7								1.52	5400	0	1.1	2710	2060	500								6930				
8	3.70	2.48	2.48	7.5	7.9				12.4		138		2	77		2	1.61	5590	5200	1.6	2820	2120	510								6930	0.13	0.06	48	
9	3.35	2.48	2.48	7.6	8.0				10.8		127		2	62		2	1.34	7040	5400	4.3	2650	2020	490								6800	0.13	0.06	53	
10	3.05	2.48	2.48	7.4	7.8				11.0		149		2	60		2	1.45	6500	6100	4.2	2550	1930	480					1.25			5040	0.14	0.06	60	
11	2.86	2.48	2.48	7.5	7.9				10.8								1.53	6500	8200	3	2400	1860	450								5040				
12	2.91	2.48	2.48	7.5	7.9				10.5								1.57	4640	4500	3.3	2500	2200	400								1890				
13	2.97	2.48	2.48	7.6	7.8				10.6								1.67	4850	0	3.1	2110	1700	380								0				
14	2.85	2.48	2.48	7.6	8.0				11.4								1.65	4250	0	2.7	2290	1800	450								6930				
15	2.72	2.48	2.48	7.5	7.9				11.8		186		2	84		2	1.41	5570	4600	3	2380	1990	550								6730	0.24	0.06	41	
16	2.74	2.48	2.48	7.7	8.0				10.4		178		3	82		2	1.25	5900	4400	1.4	2470	1890	460								6930	0.10	1.10	180	
17	2.73	2.48	2.48	7.5	8.0				10.8		186		2	87		2	1.49	4370	6000	1.6	2600	1400	480								6930	0.16	1.10	234	
18	2.62	2.48	2.48	7.7	8.2				11.1								1.61	4700	5200	1.5	2480	1920	440								6930				
19	2.62	2.48	2.48	7.8	8.3				10.8								1.39	5140	4500	2	2370	1870	410								0				
20	2.72	2.48	2.48	7.7	8.2				11.7								1.29	4980	5000	2.3	2450	1910	400								0				
21	2.75	2.48	2.48	7.7	8.2				11.3								1.4	4510	5500	1.7	2410	1950	430								6450				
22	2.84	2.48	2.48	7.5	7.9				11.6		217		2	117		2	1.44	5720	4500	1.6	2300	1820	450								6470	0.18	0.06	207	
23	2.64	2.48	2.48	7.6	8.1				9.9		205		2	80		2	1.34	5740	5000	2.2	2270	1810	480					1.62			5590	0.36	0.06	150	
24	3.68	2.48	2.48	7.5	8.1				10.4		225		21	84		5	1.14	5250	8900	1.9	2460	1950	450								6670	0.98	1.60		
25	9.90	2.48	2.48	7.6	8.2				11.3								1.42	1023	2600	3.4	1680	1320	220								6930				
26	3.05	2.48	2.48	7.4	7.8				11.8								1.36	7410	4600	5.1	2450	1900	400								0			220	
27	4.32	2.48	2.48	7.5	7.9				11.5								1.49	7000	5700	4.9	2500	1960	440								0				
28	8.11	2.48	2.48	7.8	8.2				11.2								1.85	6870	6000	2.1	2290	1780	400								6930				
29																																			
30																																			
31																																			
Tot.	101.70	69.44	69.44														42.31															139210			
Avg.	3.63	2.48	2.48	7.8	8.1				11.3		169		6	77		2	1.511	5515	4493	2.796	2462	1898	438.9					1.503		4971.8	0.24	0.36	50		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

34593 FLOW 13781 CBOD 24391 TSS

michael carter sr
OPERATOR

6173
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0
SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-587-5867
PLANT TELEPHONE