

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

February 10, 2011

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

RE: Floyds Fork WQTC, KPDES No: KY0102784  
Discharge Monitoring Report for January 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 January 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*

Richard Mills  
Process Supervisor, East Region

RM/ Floyds Fork 1 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

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

KY0102784  
 PERMIT NUMBER

001 1  
 DISCHARGE NUMBER

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	01	01		11	01	31

NOTE: Read instructions before completing this form

PARAMETER	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	SAMPLE MEASUREMENT	*****	*****	***	10	*****	*****	(19) MG/L	0	1/1	GRAB	
	PERMIT MEASUREMENT	*****	*****	***	7 INST MIN	*****	*****	(19) MG/L		THREE/WEEK	GRAB	
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	7.8	*****	8.5	(12) SU	0	1/1	GRAB	
	PERMIT MEASUREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	(12) SU		THREE/WEEK	GRAB	
SOLIDS, TOTAL SUSPENDED 00530 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	4617	5592	(26) LBS/DY	*****	189	240	(19) MG/L	0	3/7	CP	
	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	
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	50	62	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	CP	
	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	SAMPLE MEASUREMENT	394	425	(26) LBS/DY	*****	16	18	(19) MG/L	0	3/7	CP	
	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	SAMPLE MEASUREMENT	11	26	(26) LBS/DY	*****	0.4	1.1	(19) MG/L	0	3/7	CP	
	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	SAMPLE MEASUREMENT	*****	*****	****	*****	0.2	0.2	(19) MG/L	0	3/7	CP	
	PERMIT MEASUREMENT	*****	*****	****	*****	1.0 MO AVG	1.5 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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		
H J SCHARDEIN EXECUTIVE DIRECTOR	<i>Richard Mills</i>							502	540-6000	11	02	23
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO

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

Facility Name/Location if different)

**NAME** FLOYDS FORK WQTC MSD  
**ADDRESS** C/O CEDAR CREEK WQTC  
 8405 CEDAR CREEK RD  
 LOUISVILLE KY 40211  
**FACILITY** FLOYDS FORK WQTC MSD  
**LOCATION** LOUISVILLE KY 40245  
**ATTN:** DENNIS THOMASSON SR. METRO OPS

**DISCHARGE MONITORING REPORT (DMR)**

KY0102784  
 PERMIT NUMBER

001 1  
 DISCHARGE NUMBER

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

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	01	01		11	01	31

**NOTE: Read instructions before completing this form**

PARAMETER	X	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 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3.03	5.51	(03) MGD	*****	*****	*****	***	0	CN	CN
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTINUOUS
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	4	5	(13) 100ML	0	3/7	GR
	PERMIT MEASUREMENT	*****	*****	***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/WEEK	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	2496	2596	(26) LBS/DY	*****	102	114	(19) MG/L	0	3/7	CP
	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 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	50	62	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	CP
	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 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	98	*****	*****	(23) CENT	0	CA	CA
	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	CA	CA
	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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			
H J SCHARDEIN EXECUTIVE DIRECTOR	<i>Richard Mills</i>					502	540-6000	11	02	23	
TYPED OR PRINTED						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

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

NAME OF TREATMENT PLANT FLOYDS FORK

COUNTY JEFFERSON

MONTH OF: January 2011

KPDES PERMIT NUMBER KY0102784

PLANT CAPACITY 3.5 MGD

RECEIVING STREAM FLOYDS FORK

DATE	TOTAL FLOW (MILLION GALLONS)	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						
		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	WAST ED	DISOLVED 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	5.51	2.48	2.48	7.5	7.9				10.9								1.56	7430	4100	0.6	2820	2240	400										0				
2	4.45	2.48	2.48	7.5	7.9				10.8				122		2	72	2	1.59	6660	3800	0.7	3200	2020	410									0	0.16	1.30	10	
3	3.56	2.48	2.48	7.6	8.2				11.3				119		2	94	2	1.62	7530	4000	3.3	3020	2350	500								5040	0.11	0.06	4		
4	3.17	2.48	2.48	7.6	8.2				10.6				121		2	80	2	1.57	7730	4200	5	2960	2280	480								5040	0.10	0.06	4		
5	2.99	2.48	2.48	7.6	8.2				10.4								1.53	6190	4500	2.9	2940	2260	500									5040					
6	2.96	2.48	2.48	7.6	7.9				11.6								1.36	4500	3900	2.3	2740	2080	500								1.19	5040					
7	2.88	2.48	2.48	7.6	7.8				11.4								1.49	5620	0	3.2	2690	2070	490									5040					
8	2.81	2.48	2.48	7.7	8.1				11.4								1.43	5620	0	3.3	2850	2180	460									0					
9	2.79	2.48	2.48	7.7	8.1				11.2				164		2	95	2	1.62	5690	0	3.2	3080	2390	550								0	0.13	0.06	4		
10	2.61	2.48	2.48	7.6	8.1				11.4				164		2	124	2	1.44	7000	3700	3.3	3040	2330	600								0	0.18	0.06	4		
11	2.57	2.48	2.48	7.7	8.2				10.4				244		2	123	2	1.57	6250	4000	1.7	2990	2290	550								5040	0.20	0.06	4		
12	2.58	2.48	2.48	7.7	8.2				11.3								1.44	6580	4000	3.2	2860	2190	600									1008					
13	2.52	2.48	2.48	7.7	8.0				12.0								1.58	4580	5000	2.4	2860	2210	580										5040				
14	2.48	2.48	2.48	7.6	7.8				11.7								1.52	4650	4000	4.4	2730	2090	530										1.42	5040			
15	2.67	2.48	2.48	7.7	8.1				11.8								1.53	4960	3800	3.4	2710	2100	540										0				
16	2.69	2.48	2.48	7.6	7.9				11.9				229		2	117	2	1.45	4800	0	4.3	2820	2190	550								0	0.15	0.06	4		
17	2.60	2.48	2.48	7.8	8.2				10.4				265		2	128	2	1.36	7170	4600	1.4	2850	2240	550									5040	0.14	1.60	4	
18	3.12	2.48	2.48	7.8	8.3				10.7				227		2	92	2	1.53	6100	4200	2	2880	2240	500									5040	0.21	1.60	4	
19	3.42	2.48	2.48	7.5	8.0				10.7								1.67	7310	4000	0.9	2940	2270	500									1.31	5040				
20	3.02	2.48	2.48	7.7	8.1				10.4								1.35	6510	4800	1	3310	2580	530										8820				
21	2.98	2.48	2.48	7.9	8.0				10.6								1.54	5630	4000	1.1	2610	2030	550										1260				
22	2.98	2.48	2.48	7.7	8.0				10.0								1.11	5570	4000	1	2820	2430	550										0				
23	2.92	2.48	2.48	7.6	8.2				10.5				224		2	110	2	1.97	5190	3000	1.2	2600	2010	500									0	0.22	0.06	4	
24	2.81	2.48	2.48	8.1	8.4				10.7				203		2	97	2	1.6	5900	3400	2.4	2610	2010	490									5040	0.20	0.06	4	
25	2.88	2.48	2.48	8.1	8.3				10.4				189		2	87	2	1.32	6220	4600	2.7	2690	2060	500										5040	0.21	0.06	4
26	3.02	2.48	2.48	8.3	8.5				11.1								1.39	6800	5100	2.6	3640	2990	540										0				
27	3.02	2.48	2.48	8.2	8.2				12.0								1.4	6180	5900	3.2	2640	2030	500										1.84	1008			
28	2.93	2.48	2.48	8.2	8.4				11.9								1.55	4980	5000	3	2500	1920	450										5040				
29	2.94	2.48	2.48	8.0	8.3				11.3								1.49	5590	5500	3.1	2980	2040	460										0				
30	3.05	2.48	2.48	8.2	8.1				12.1								0.951	5410	4700	3.4	2510	1920	450										0				
31	2.89	2.48	2.48	8.4	8.5				12.2								1.62	5510	4800	2.6	2550	1940	500											6870			
Tot.	93.83	76.88	76.88														46.15																	89526			
Avg.	3.03	2.48	2.48	7.8	8.1				11.1				189		2	102	2	1.489	5995	3761	2.542	2853	2192	510							1.44	2888	0.17	0.42	4		

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
28823  
FLOW

15082  
CBOD

22747  
TSS

michael carter sr  
OPERATOR

6173  
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-587-5867

PLANT TELEPHONE