



*Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org*

January 18, 2011

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

RE: Floyds Fork WQTC, KPDES No: KY0102784
Discharge Monitoring Report for December 2010.

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 December 2010.

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

Also attached are the fourth quarter Bio-Monitoring DMR,s

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 1210

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
 ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
10	12	01	10	12	31

FROM

TO

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				
OXYGEN, DISSOLVED (DO) 00300 1 0 0	SAMPLE MEASUREMENT			***	9			(19) MG/L	0	1/1	GR	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	7 INST MIN	*****	*****	(19) MG/L		THREE/ WEEK	GRAB	
PH	SAMPLE MEASUREMENT			***	7.4		8.1	(12) SU	0	1/1	GR	
00400 1 0 0	PERMIT MEASUREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	(12) SU		THREE/ WEEK	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	4311	4621	(26) LBS/DY		170	201	(19) MG/L	0	3/7	CP	
SOLIDS, TOTAL SUSPENDED 00530 G 0 0	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	
RAW SEW/INFLUENT	SAMPLE MEASUREMENT	59	81	(26) LBS/DY		2	3	(19) MG/L	0	3/7	CP	
SOLIDS, TOTAL SUSPENDED 00530 1 0 0	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	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	389	472	(26) LBS/DY		16	19	(19) MG/L	0	3/7	CP	
NITROGEN, AMMONIA TOTAL (AS N) 00610 G 0 0	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	
RAW SEW/INFLUENT	SAMPLE MEASUREMENT	6	18	(26) LBS/DY		0.3	0.6	(19) MG/L	0	3/7	CP	
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0	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	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT			****		0.2	0.3	(19) MG/L	0	3/7	CP	
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0	PERMIT MEASUREMENT	*****	*****	****	*****	1.0 MO AVG	1.5 MX WK AV	(19) MG/L		THREE/ WEEK	COMPOS	
EFFLUENT GROSS VALUE	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.											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	H J SCHARDEIN EXECUTIVE DIRECTOR				 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				TELEPHONE 502 540-6000 AREA NUMBER		DATE 11 01 25 YEAR MO DAY	
TYPED OR PRINTED												

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

DISCHARGE MONITORING REPORT (DMR)

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

ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD
 FROM YEAR 10 MO 12 DAY 01 TO YEAR 10 MO 12 DAY 31

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 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3.01	4.71	(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			***		8	52	(13) 100ML	0	3/7	GR
	PERMIT MEASUREMENT			***		200 30 DAY GEO	400 7 DAY GEO	(13) 100ML		THREE WEEK	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	2822	4288	(26) LBS/DY		111	164	(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	51	57	(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 PERCENT REMOVAL	SAMPLE MEASUREMENT			***	98			(23) CENT	0	1/31	CA
	PERMIT MEASUREMENT			***	85 MO MIN			(23) CENT		ONCE MONTH	CALCITE
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENT REMOVAL	SAMPLE MEASUREMENT			***	99			(23) CENT	0	1/31	CA
	PERMIT MEASUREMENT			***	85 MO MIN			(23) CENT		ONCE MONTH	CALCITE
	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 502 540-6000		DATE 11 01 25	
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Richard Mello</i>							AREA CODE 502		NUMBER 540-6000	

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

PERMITTEE NAME/ADDRESS (Include

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

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)

DISCHARGE MONITORING REPORT (DMR)

KY0102784

PERMIT NUMBER

001 Y

DISCHARGE NUMBER

MAJOR
(SUBR LV)

F - FINAL

JEFFE

QUARTERLY METALS/BIOMONITORING
EFFLUENT

[] No Discharge

MONITORING PERIOD

FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
10	10	01	10	12	31

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
HARDNESS, TOTAL (AS CaCO ₃) 00900 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	317	317	(19) MG/L	0	1/31	CP
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		ONCE/ MONTH	COMPOS
ZINC TOTAL RECOVERABLE 01094 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	0.026	0.026	(19) MG/L	0	1/90	CP
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS
CADMIUM TOTAL RECOVERABLE 01113 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	< 0.0001	< 0.0001	(19) MG/L	0	1/90	CP
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS
LEAD TOTAL RECOVERABLE 01114 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	0.007	0.007	(19) MG/L	0	1/31	CP
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		ONCE/ MONTH	COMPOS
COPPER TOTAL RECOVERABLE 01119 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	0.012	0.012	(19) MG/L	0	1/90	CP
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS
TOXICITY, FINAL CONC TOXICITY UNITS 61406 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	*****	< 1.00	(2G) TOXCTY	0	1/90	CP
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	*****	REPORT DAILY MX	(2G) TOXCTY		QTRLY	COMPOS
	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						502 540-6000		11 01 25			
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: December 2010

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		WASTED 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)	
																		GAL/DAY X 1000	MLSS X 1000					30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000				
1	4.710	2.48	2.48	7.5	7.7					10.0		125		2	53		2	1.73	9100	3800	4.1	2840	1970	300							5040	0.60	0.06	4	
2	2.190	2.48	2.48	7.7	8.1					9.4		132		2	64		2	1.65	8270	4700	3.8	2880	1950	310							5040	0.16	0.06	4	
3	3.070	2.48	2.48	7.4	7.9					9.7								1.77	6800	4200	3.8	2850	1990	320							5040				
4	3.100	2.48	2.48	7.4	7.6					10.8								1.62	7540	4000	5.6	3260	1830	310							0				
5	3.350	2.48	2.48	7.4	7.6					10.6		137		2	95		2	1.73	5360	4000	6.6	2610	1970	320							0	0.18	0.06	4	
6	3.050	2.48	2.48	7.5	7.8					11.4								1.53	7390	4300	6.5	2700	1930	320							5040				
7	2.790	2.48	2.48	7.2	7.7					10.9								1.52	7410	4000	6.5	3090	2160	350							5040				
8	2.740	2.48	2.48	7.3	7.5					11.4		185		5	103		2	1.59	6370	1700	5.6	2680	1900	330							5040	0.19	0.06	4	
9	2.650	2.48	2.48	7.3	7.4					9.1		165		3	108		2	1.61	7350	3700	5.2	2800	1880	330							5040	0.15	0.06	4	
10	2.560	2.48	2.48	7.6	7.9					10.1								1.63	6430	3000	3.6	2680	1920	330							5040				
11	2.720	2.48	2.48	7.7	7.9					10.0								1.62	5070	3000	3.7	2010	1480	340							0				
12	3.740	2.48	2.48	7.6	7.8					9.9		192		2	112		2	1.72	4870	4100	3.9	2570	2200	340							0	0.17	0.06	4	
13	3.300	2.48	2.48	7.7	8.0					10.4								1.51	6570	4500	4	2670	1950	350							5040				
14	2.920	2.48	2.48	7.4	7.7					11.4								1.12	6290	4000	6.5	2730	2010	350							5040				
15	2.850	2.48	2.48	7.6	7.9					11.8		157		2	95		2	1.54	5810	3200	6	2260	1920	350							5040	0.12	0.06	12	
16	3.160	2.48	2.48	7.5	8.0					10.4		213		2	101		2	1.4	6210	3200	4.4	2560	2000	320				1.5			0	0.12	0.06	4	
17	3.200	2.48	2.48	7.3	7.6					11.2								1.42	6150	3000	4.6	2620	2320	350							0				
18	2.990	2.48	2.48	7.4	7.7					10.6								1.46	5660	1500	4.6	2660	1940	350							4410				
19	2.170	2.48	2.48	7.5	8.0					10.8		233		2	107		2	1.6	5440	3100	4.5	2680	1950	350							0	0.14	0.62	2950	
20	2.000	2.48	2.48	7.5	8.1					10.7								1.35	5880	1400	3.6	2660	1970	350							6300				
21	3.150	2.48	2.48	7.4	7.8					11.4								1.42	5630	2500	4.3	2590	1950	350							8700				
22	3.320	2.48	2.48	7.4	7.8					11.2		154		2	157		2	1.59	4700	0	3.3	2740	2070	350							5040	0.18	1.80	4	
23	3.150	2.48	2.48	7.4	7.9					10.3		229		2	219		2	1.66	6700	4100	3	2800	2090	390				1.3			3750	0.17	0.06	4	
24	3.060	2.48	2.48	7.5	8.1					11.1								1.34	7320	3600	3.6	2670	2050	400							0				
25	2.760	2.48	2.48	7.4	7.9					11.4								1.53	5690	3000	3.6	2730	2020	350							0				
26	2.880	2.48	2.48	7.4	7.8					11.5		120		2	115		2	1.48	5350	4000	5	2600	1990	400							0	0.15	0.06	4	
27	2.830	2.48	2.48	7.5	7.8					11.4								1.38	4930	1800	4.4	2790	2220	425							5040				
28	2.630	2.48	2.48	7.6	8.0					11.8								1.46	4540	2700	5	2780	2210	425							5040				
29	2.710	2.48	2.48	7.5	7.9					11.6								1.44	4730	4000	2.9	2700	2050	440							5040				
30	3.870	2.48	2.48	7.5	8.0					11.4								1.52	5590	3800	1.4	2620	2080	400				1			5040				
31	3.690	2.48	2.48	7.5	7.9					10.4								1.57	6230	1600	1	2140	2140	400							5040				
Tot.	93.31	76.88	76.88															47.51													#####				
Avg.	3.010	2.48	2.48	7.5	7.8					10.8		170		2	111		2	1.533	6174	3210	4.342	2676	2004	354.8				1.267			3511	0.19	0.25	8	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

28667
FLOW15354
CBOD20342
TSSmichael carter sr
OPERATOR6173
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS

0

X

4

=

0

SEWERED POPULATION

502-587-5867

PLANT TELEPHONE