



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

March 18, 2010

Ms Carolena Bentley
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

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

Dear Ms Bentley

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Floyds Fork WQTC for the month of February 2010.

There were no exceedences , bypass reports or for this month.
Also attached is the Overflow Reports.

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

Sincerely,

D.J. Rheinlaender
Process Supervisor, East Region

DJR/ Floyds Fork 0310

Enclosures

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



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

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)
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 02 DAY 01 TO YEAR 10 MO 02 DAY 28

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 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	10	*****	*****	(19) MG/L	0	1/1	GRAB
PH	PERMIT MEASUREMENT	*****	*****	***	7 INST MIN	*****	*****	(19) MG/L		THREE/ WEEK	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	7.5	*****	8.7	(12) SU	0	1/1	GRAB
00530 1 0 0 EFFLUENT GROSS VALUE	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	2625	3381	(26) LBS/DY	*****	116	173	(19) MG/L	0	3/7	COMPOS
	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	60	(26) LBS/DY	*****	2	3	(19) MG/L	0	3/7	COMPOS
	PERMIT MEASUREMENT	818 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	313	339	(26) LBS/DY	*****	14	17	(19) MG/L	0	3/7	COMPOS
	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	9	16	(26) LBS/DY	*****	0.4	0.75 0.8	(19) MG/L	0	3/7	COMPOS
	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	*****	*****	****	*****	0.1	0.1	(19) MG/L	0	3/7	COMPOS
	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. 1310. (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					
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA	NUMBER				
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)						CODE		YEAR	MO	DAY	

Facility Name/Location if different)

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)
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

0011
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	02	01	TO	10	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	REPORT MO AVG	2.92	5.29	(03) MGD	*****	*****	*****	***	0	CONTIN	CONTIN	
EFFLUENT GROSS VALUE	REPORT DAILY MX			(03) MGD	*****	*****	*****	***		CONTIN	CONTIN	
COLIFORM, FECAL GENERAL 74055 1 0 0	REPORT MO AVG	*****	*****	***	*****	3	4	(13) 100ML	0	3/7	GRAB	
EFFLUENT GROSS VALUE	REPORT DAILY MX			***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/ WEEK	GRAB	
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0	REPORT MO AVG	1791	2316	(26) LBS/DY	*****	80	118	(19) MG/L	0	3/7	COMPOS	
RAW SEW/INFLUENT	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	REPORT MO AVG	50	60	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	COMPOS	
EFFLUENT GROSS VALUE	REPORT 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	REPORT MO AVG	*****	*****	***	97	*****	*****	(23) CENT	0	1/28	CALCTD	
PERCENTREMOVAL	REPORT DAILY MX			***	85 MO/MIN	*****	*****	(23) CENT		ONCE/ MONTH	CALCTD	
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0	REPORT MO AVG	*****	*****	***	98	*****	*****	(23) CENT	0	1/28	CALCTD	
PERCENTREMOVAL	REPORT MX WK AV			***	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. 131b. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)											
H J SCHARDEIN EXECUTIVE DIRECTOR					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				TELEPHONE		DATE	
TYPED OR PRINTED									502 540-6000			
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)									AREA NUMBER		YEAR MO DAY	

NAME OF TREATMENT PLANT FLOYDS FORKCOUNTY JEFFERSONMONTH OF: February 2010KPDES PERMIT NUMBER KY0102784PLANT CAPACITY 3.5 MGDRECEIVING 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 X1000					30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS				% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000
1	2.358	5.1	5.1	7.2	7.8									2	1.819	6.54	55	8	3.96	2.91	720								49.5	0.08	0.06	3		
2	2.352	5.1	5.1	7.9	8.2									2	1.778	6.3	60	7.8	3.91	2.88	660								49.2	0.07	0.06	7		
3	2.330	5.1	5.1	7.9	8.4									2	1.789	8.04	55.2	7	4.21	3.08	650								49.2	0.08	0.06	3		
4	2.344	5.1	5.1	7.8	8.2										1.752	6.65	58	7.7	3.95	2.89	650				1.4				49.5					
5	3.930	5.1	5.1	8.5	8.7										1.621	5.68	58	6.9	4.08	2.96	680								49.2					
6	5.290	5.1	5.1	8.7	8.0										1.477														25.2					
7	3.670	5.1	5.1	7.9	8.7										1.77	7.96	52	7.5	4.195		550													
8	3.090	5.1	5.1	7.6	8.1									2	1.88	8.15	74	7.6	4.125	3.045	650								87.9	0.06	0.50	3		
9	2.910	5.1	5.1	7.3	7.7									2	1.73	7.19	88	8	3.99	2.98	640									0.06	0.06	3		
10	2.780	5.1	5.1	7.5	8.0									2	1.95	7.54	75	7.9	3.93	2.915	600				1.01				81.9	0.06	0.06	3		
11	2.660	5.1	5.1	7.4	7.9										1.7	5.85	108	7.6	3.844	2.83	580								93.7					
12	2.560	5.1	5.1	7.9	8.2										1.89	5.49	89	6.8	3.49	2.4	540								56.7					
13	2.620	5.1	5.1	7.5	7.9										2.12	5.36	90	7.3	3.49		490								132.3					
14	2.520	5.1	5.1	8.4	8.4										1.59	7.87	57	5	3.21		450													
15	2.580	5.1	5.1	7.8	8.2									2	1.75	6.23	81	5.4	3.2	2.36	420									0.08	1.10	3		
16	2.500	5.1	5.1	7.2	7.5									2	1.74	4.85	67	6.8	3.165	2.34	440								74.8	0.07	0.06	3		
17	2.380	5.1	5.1	7.3	7.7									2	1.86	6.73	65	6	3.155	2.345	400				1.16				50.4	0.08	1.10	3		
18	2.410	5.1	5.1	8.4	7.9										1.77	4.54	101	6	3.105	2.33	400								50.4					
19	2.489	5.1	5.1	7.4	7.7										1.92	4.83	65	5.3	2.925	2.16	450								65					
20	2.910	5.1	5.1		7.8										1.95			4.1												81.9				
21	3.870	5.1	5.1		7.9										1.62		74	3.7												50.4				
22	4.210	5.1	5.1	8.1	8.4									2	1.9	5.13	61	2	3.21	2.36	350									50.4	0.06	0.84	3	
23	3.320	5.1	5.1	8.0	8.3									2	1.67	7.24	82	6.3	3.02	2.25	350									50.4	0.06	0.06	3	
24	2.957	5.1	5.1	8.0	8.4									2	1.76	5.06	80	6.1	3.32	2.4	340								18.9	0.06	0.39	3		
25	2.800	5.1	5.1	7.9	8.3										1.58	6.96	52	6.3	2.74	2	340				1.51				87.4					
26	2.620	5.1	5.1	7.7	8.5										1.86	5.32	39	6.3	3.01	2.22	350								25.2					
27	2.690	5.1	5.1		8.3										1.57															56.7				
28	2.630	5.1	5.1		8.3										1.67																			
29																																		
30																																		
31																																		
Tot.	81.78	142.8	142.8												49.49																1386			
Avg.	2.921	5.1	5.1	7.8						11.8		116		2	80		2	1.767	6.327	70.26	6.376	3.532	2.583	508.7			1.27			60.27	0.07	0.36	3	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

27816

11427

13465

FLOW

CBOD

TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE

Report Selections: Excluding PPI, CSO, Result WUS, Act Code: DISDW, DISREV, DISSUS

KPDES # KY0102784	Facility ID MSD0294	Water Quality Treatment Center FLOYDS FORK	Receiving Stream of Treatment Center FLOYDS FORK	Region EAST
Facility Type SPL Sewer Treatment Plant	Facility ID MSD0294	Facility Address 1100 BLUE HERON RD	If Pump Station, Name of Pump Station:	Receiving Stream FLOYDS FORK
				Discharge to STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1011592	02/05/10 09:40 PM	ELDER	RHEINLAENDE R JR	REPAIRED - ISSUE RESOLVED	02/05/10	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	02/05/10 09:50 PM	

Spot Inspections:

Discharge Amount:	15,000 GAL
Cause:	SAND FILTER OVERWHELMED & OVERFLOWED DUE TO CONTROLS FAILURE OF ELECTRONIC LEVEL INDICATOR.
Clean Up:	B&H VACTORING ALL POSSIBLE AREAS. MSD TO LIME & SANITIZE AREA
Control Zone:	TEMPORARY SIGNS POSTED AROUND AFFECTED AREA
Impact:	SLIGHTLY DISCOLORED WATER, NO DEBRIS. BYPASS SAND FILTER & UV TREATMENT
Repair:	BY ADJUSTING DIVERSION GATE ELIMINATING BYPASS

Notifications:

02/05/10 10:36 PM	DISPUB	PERMANENT SIGNS POSTED IN AREA SUPPLEMENTED BY TEMPORARY SIGNS
02/05/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
02/05/10 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov

Total Facilities Printed: 12
Total Work Orders Printed: 12