



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

December 16, 2010

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

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

There were no exceedences or bypass reports for this month.

Attached is an overflow report.

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

Sincerely,

A handwritten signature in cursive script that reads "Richard Mills".

Richard Mills
Process Supervisor, East Region

RWM/ Floyds Fork 1110

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	TO	YEAR	MO	DAY	
FROM	10	11	01	TO	10	11	30

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)	SAMPLE MEASUREMENT	*****	*****	***	8	*****	*****	(19) MG/L	0	11 WEEK	GRAB	
00300 1 0 0	PERMIT MEASUREMENT	*****	*****	***	7	*****	*****	(19) MG/L		THREE/WEEK	GRAB	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	INST MIN	*****	*****	MG/L				
PH	SAMPLE MEASUREMENT	*****	*****	***	7.8	*****	8.4	(12) SU	0	15 WEEK	GRAB	
00400 1 0 0	PERMIT MEASUREMENT	*****	*****	***	6.0	*****	9.0	(12) SU		THREE/WEEK	GRAB	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	MINIMUM	*****	MAXIMUM	SU				
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	3802	4856	(26) LBS/DY	*****	186	285	(19) MG/L	0	12 WEEK	COMPOS	
0530 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	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L				
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	50	60	(26) LBS/DY	*****	3	4	(19) MG/L	0	12 WEEK	COMPOS	
00530 1 0 0	PERMIT MEASUREMENT	813	1220	(26) LBS/DY	*****	30	45	(19) MG/L		THREE/WEEK	COMPOS	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	MO AVG	MX WK AV	LBS/DY	*****	MO AVG	MX WK AV	MG/L				
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	426	458	(26) LBS/DY	*****	21	25	(19) MG/L	0	12 WEEK	COMPOS	
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	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L				
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	5.97	20.3	(26) LBS/DY	*****	0.25	0.80	(19) MG/L	0	12 WEEK	COMPOS	
00610 1 2 0	PERMIT MEASUREMENT	136	203	(26) LBS/DY	*****	5	7.5	(19) MG/L		THREE/WEEK	COMPOS	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	MO AVG	MX WK AV	LBS/DY	*****	MO AVG	MX WK AV	MG/L				
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	*****	*****	****	*****	0.3	0.5	(19) MG/L	0	12 WEEK	COMPOS	
00665 1 0 0	PERMIT MEASUREMENT	*****	*****	****	*****	1.0	1.5	(19) MG/L		THREE/WEEK	COMPOS	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	****	*****	MO AVG	MX WK AV	MG/L				
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	10	12	16
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)

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	TO	YEAR	MO	DAY
10	11	01		10	11	30

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			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0	SAMPLE MEASUREMENT	2.51	3.46	(03) MGD	*****	*****	*****	***	0	12	CONTIN
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTIN	CONTIN
COLIFORM, FECAL GENERAL 74055 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	5	9	(13) 100ML	0	12	GRAB
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	1902	2315	(26) LBS/DY	*****	93	117	(19) MG/L	0	12	COMPOS
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	< 40	< 50	(26) LBS/DY	*****	< 2	< 2	(19) MG/L	0	12	COMPOS
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	*****	*****	***	98	*****	*****	(23) CENT	0	12	CALCTD
PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/ MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	12	CALCTD
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.				Richard Mills		TELEPHONE		DATE		
TYPED OR PRINTED					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		502	540-6000	10	12	16
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)							AREA CODE	NUMBER	YEAR	MO	DAY

NAME OF TREATMENT PLANT FLOYDS FORK

COUNTY JEFFERSON

MONTH OF: November 2010

KPDES PERMIT NUMBER KY0102784

PLANT CAPACITY 3.5 MGD

RECEIVING STREAM FLOYDS FORK

DATE	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					
	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	RETURN		WASTED	DISSOLVED OXYGEN (mg/L)		MLSS (mg/L)		MLVSS (mg/L)		SETTLED SLUDGE VOLUME		RAW		HAULED		PHOSPHORUS, TOTAL (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)
																		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	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000			
1	2.25	5.1	5.1	8.1	8.3				9.2			171		2	92		2	1.15	5970	4000	4.2	3620	2350	340							5040	0.12	0.06	4	
2	2.37	5.1	5.1	8.0	8.3				8.1			88		2	75		2	1.19	6810	4000	4.1	3600	2340	310							5040	0.10	0.06	4	
3	2.14	5.1	5.1	8.1	8.3				8.8			220		2	128		2	1.16	7680	6000	4	3680	2430	310							5040	0.07	0.06	4	
4	2.12	5.1	5.1	8.0	8.3				10.4									1.17	6710	5000	4.2	3500	2270	310							4960				
5	2.13	5.1	5.1	8.2	8.3				9.6									1.22	7290	6000	4.1	3470	2350	330							5670				
6	2.14	5.1	5.1	8.1	8.1				9.8									1.38	5840	4000	4.4	3400	2210	300							0				
7	2.15	5.1	5.1	8.1	8.1				9.7									1.16	7010	4100	4.3	3280	2170	300							0				
8	2.04	5.1	5.1	8.0	8.0				9.4			244		2	146		2	1.22	5640	4200	3.5	3370	2120	300							5040	0.13	0.06	4	
9	2.03	5.1	5.1	8.1	8.3				8.4			303		3	84		2	1.29	7520	4200	4.1	3360	2260	300							5040	0.14	0.06	4	
10	2.05	5.1	5.1	8.0	8.2				9.1			308		8	122		2	1.44	6300	4000	3.1	3570	2410	280							5040	0.15	0.06	15	
11	1.99	5.1	5.1	7.9	7.9				8.9									1.06	5780	5200	3.4	3270	2170	280							5040				
12	1.96	5.1	5.1	7.7	8.1				9.2									1.46	5090	3700	4	3120	2490	270							5040				
13	2.05	5.1	5.1	8.2	8.2				8.8									1.07	6990	4100	3.3	2960	2060	280							0				
14	2.24	5.1	5.1	8.2	8.1				9.1									1.22	4970	4000	3.8	2870	1980	260							0				
15	2.16	5.1	5.1	8.3	8.3				8.9			91		2	75		2	1.23	5640	4100	3.6	3220	2130	280							5040	0.33	0.06	4	
16	2.80	5.1	5.1	8.1	8.2				9.1			175		2	60		2	1.25	6710	4000	3.8	3090	2080	300							5040	0.51	1.40	43	
17	3.40	5.1	5.1	8.1	8.3				8.8			152		2	61		2	1.24	8330	4000	3.8	3040	2180	280							5040	0.44	0.95	4	
18	2.75	5.1	5.1	7.9	7.9				8.3									1.15	5830	4000	3.8	3070	2140	300							5040				
19	2.48	5.1	5.1	7.5	7.9				8.6									1.93	5990	2500	4.1	2880	1980	250							5040				
20	2.51	5.1	5.1	7.9	7.9				8.9									1.22	5480	4000	4.2	2900	1500	300							0				
21	2.46	5.1	5.1	8.0	7.9				9.0									1.2	4540	4000	4	2890	1980	250							0				
22	2.34	5.1	5.1	7.9	7.9				9.4			119		2	66		2	1.14	6680	4000	4.1	3150	2290	270							5040	0.51	0.06	4	
23	3.17	5.1	5.1	7.7	7.8				9.3			180		2	101		2	1.26	8530	4000	2.1	2850	2090	280							5040	0.47	0.06	4	
24	3.42	5.1	5.1	8.5	8.4				9.4			178		2	103		2	1.24	5510	2600	5.7	2130	1160	260							7530	0.47	0.06	4	
25	5.97	5.1	5.1	8.1	7.9				9.6									1.1	6780	2900	4.2	1310	630	260							3690				
26	7.34	5.1	5.1	7.9	7.7				10.4									1.59	1805	0	3	1840	1300	200							3780				
27	3.70	5.1	5.1	7.6	7.8				10.6									1.34	6710	0	4.6	3170	2210	330							0				
28	3.22	5.1	5.1	7.7	7.8				10.0									1.07	8190	4000	4.6	3390	2500	320							0				
29	2.93	5.1	5.1	7.9	7.7				10.1									1.34	6400	4000	4.7	3090	2390	310							5010				
30	2.33	5.1	5.1	7.8	7.8				9.2									1.82	1259	4000	2.8	2970	2170	280							4410				
31																																			
Tot	82.64	153	153															38.31													#####				
Avg	2.75	5.1	5.1	8.0	8.1				9.3			186		3	93		2	1.277	6133	3820	3.92	3069	2081	288							3688	0.28	0.24	5	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
26235 12534 20321
FLOW CBOD TSS

michael g carter sr
OPERATOR

6173
CERT. NO.

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

502-587-5867



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

KPDES # KY0102784	Facility ID MSD0294	Water Quality Treatment Center FLOYDS FORK	Receiving Stream of Treatment Center FLOYDS FORK	Region CENT
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Facility Type SV Sewer Valve	Facility ID 108247-V	Facility Address 15510 CHAMPION LAKES PL	If Pump Station, Name of Pump Station:	Receiving Stream KLEMENZ CREEK	Discharge to GROUND
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<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>
DISDW: DRY WEATHER DISCHARGE	1169298	11/19/10 01:34 PM	SINGLETON	BROOKS	REPAIRED - ISSUE RESOLVED	11/19/10	MECHANICAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	11/19/10 09:30 PM	

Spot Inspections:

Discharge Amount:	9,600 GAL
Cause:	ARV WAS BAD
Clean Up:	CONTRACTOR CLEANED & SANITIZED THE AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND IMPACTED AREA
Impact:	SOLIDS AND DEBRIS OBSERVED AROUND AIR RELEASE VALVE
Repair:	REPLACED ARV; HAULED UNTIL ARV REPLACED #1169547

Notifications:

11/19/10 04:34 PM	DISPUB	Notified and spoke Residents in the area.
11/19/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/19/10 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: 20
Total Work Orders Printed: 26