



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

March 21, 2012

Cheryl Edwards  
DMR Coordinator  
200 Fair Oaks Lane  
Frankfort, Kentucky 40601

**RE: Floyds Fork WQTC, KPDES No: KY0102784  
Discharge Monitoring Report for February of 2012**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Floyds Fork WQTC for the month of February, 2012.

There were no exceedences , bypasses, or overflows to report.

The 1<sup>st</sup> Quarter Biomonitoring DMR is attached.

If you have any questions concerning the attached DMR's, please contact me at (502) 587-5832

Sincerely,

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

Richard Mills  
Process Supervisor of Metro Operations.

RM/ Floyds Fork 02/12

Enclosures

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



*Beneficial Use of Louisville's Biosolids*  
[www.louisvillegreen.com](http://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						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	02	01		12	02	29

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	GR	
	PERMIT MEASUREMENT	*****	*****	***	7 INST MIN	*****	*****	(19) MG/L		THREE/WEEK	GRAB	
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	7.9	*****	8.5	(12) SU	0	1/1	GR	
	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	10169	12347	(26) LBS/DY	*****	348	443	(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	64	73	(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	482	504	(26) LBS/DY	*****	17	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	16	(26) LBS/DY	*****	0.4	0.5	(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	*****	*****	****	*****	0.1	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 GREG C. HEITZMAN INTERIM 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 those 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	12	03	15
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)								AREA CODE	NUMBER	YEAR	MO	DAY

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	FROM	TO	YEAR	MO	DAY
12	02	01			12	02	29

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 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3.49	4.22	(03) MGD	*****	*****	*****	***	0	CN	CN
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTIN
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	4	4	(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	4136	5040	(26) LBS/DY	*****	142	181	(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	59	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	*****	*****	***	99	*****	*****	(23) CENT	0	1/29	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	1/29	CA
	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER GREG C. HEITZMAN INTERIM EXECUTIVE DIRECTOR	I CERTIFY UNDER PENALTY FO 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 FRO SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C 1001 AND 33 U.S.C 1316. (Penalties under those statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.					TELEPHONE 502 540-6000		DATE 12 03 15			
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Richard Mills</i>					AREA CODE	NUMBER	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

001 Y  
DISCHARGE NUMBER

MAJOR (SUBR LV)  
F - FINAL JEFFE  
QUARTERLY METALS/BIOMONITORING EFFLUENT  
[ ] No Discharge

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

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	01	01		12	03	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				
HARDNESS, TOTAL (AS CaCO3) 00900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	260	260	(19) MG/L	0	1/90	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		ONCE/MONTH	COMPOS	
ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	0.013	0.013	(19) MG/L	0	1/90	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS	
CADMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	<0.001	<0.001	(19) MG/L	0	1/90	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS	
LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	<0.08	<0.08	(19) MG/L	0	1/90	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		ONCE/MONTH	COMPOS	
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	<0.006	<0.006	(19) MG/L	0	1/90	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	REPORT MO AVG	REPORT DAILY MX	(19) MG/L		QTRLY	COMPOS	
TOXICITY, FINAL CONC TOXICITY UNITS 61406 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	*****	<1.0	(2G) TOXCTY	0	1/90	CP	
	PERMIT MEASUREMENT	*****	*****	***	*****	*****	REPORT DAILY MX	(2G) TOXCTY		QTRLY	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 those statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.							TELEPHONE		DATE		
GREG C. HEITZMAN INTERIM EXECUTIVE DIRECTOR								502   540-6000		12   03   15		
TYPED OR PRINTED								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: February 2012  
 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	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 COLEFORM (COLORS/100ML)	
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS				% VOLATILE SOLIDS
1	3.54	2.48	2.48	7.9	8.5				10.0		124		2	76		2	1.1	6.27	50	2	3.06	2.42	1.92	370							0.17	0.45	4
2	3.32	2.48	2.48	7.9	8.5				10.0		356		2	138		2	1.2	5.7	52	1.8	2.85	1.7	350							0.16	0.67	4	
3	3.34	2.48	2.48	7.7	8.5				10.0								1.11	6.29	48	1.9	2.82	2.23	350										
4	4.20	2.48	2.48	7.4	8.3				10.0								1.03	4.99	54	1.8	2.69	2.14	390										
5	4.22	2.48	2.48	7.5	8.2				10.0		318		3	112		2	0.93	7.06	40	1.5	2.72	2.16	390							0.20	0.22	4	
6	3.74	2.48	2.48	7.4	8.1				10.0								1.01	5.54	50	3.2	2.7	2.15	340										
7	3.63	2.48	2.48	7.5	8.2				10.0								1.07	6.28	45	4.4	2.7	2.14	350										
8	3.52	2.48	2.48	7.5	8.4				10.0		384		2	147		2	1.114	6.01	47	2.8	2.7	2.19	340							0.11	0.22	4	
9	3.37	2.48	2.48	7.5	8.2				11.0		388		3	141		2	1.11	4.88	55	2.5	2.68	2.11	350							0.15	0.39	4	
10	3.29	2.48	2.48	7.5	8.4				11.0								1.35	4.35	57	2.4	2.5	1.98	350										
11	3.32	2.48	2.48	7.4	8.2				11.0								1.09	4.88	54	4	2.49	2.01	330										
12	3.27	2.48	2.48	7.4	8.2				11.0		406		2	163		2	1.08	4.61	54	3.8	2.42	1.9	350							0.13	0.06	4	
13	3.22	2.48	2.48	7.5	7.9				11.0								1.19	4.76	52	5.1	2.41	1.92	320										
14	3.47	2.48	2.48	7.5	8.3				11.0								1.15	5.65	45	4.9	2.49	1.97	320										
15	3.49	2.48	2.48	7.4	8.3				11.0		419		2	161		2	1.16	5.26	50	5	2.56	2.04	350							0.12	0.34	4	
16	4.01	2.48	2.48	7.5	8.3				11.0		404		2	152		2	1.06	5.39	48	4.8	2.55	2.05	390							0.11	0.67	4	
17	3.60	2.48	2.48	7.5	8.3				11.0								1.14	5.71	48	4.5	2.68	2.29	390										
18	3.61	2.48	2.48	7.4	8.2				10.0								1.11	5.25	48	4.6	2.54	2.14	370										
19	3.56	2.48	2.48	7.7	8.3				10.0		45		2	68		2	1.14	4.74	52	3.7	2.43	2.2	390							0.12	0.56	4	
20	3.35	2.48	2.48	7.6	8.3				10.0								1.11	4.72	55	4	2.63	2.19	390										
21	3.28	2.48	2.48	7.4	8.2				11.0								1.05	6.11	45	1.8	2.74	2.15	400										
22	3.29	2.48	2.48	7.5	8.3				10.0		546		2	223		2	1.15	4.95	52	1	2.54	2.07	400							0.11	0.45	4	
23	3.46	2.48	2.48	7.4	8.2				11.0		414		2	168		2	1.11	4.83	52	3.2	2.48	2.05	320							0.10	0.17	4	
24	3.35	2.48	2.48	7.4	8.2				11.0								1.1	4.84	55	2.9	2.6	2.12	350										
25	3.37	2.48	2.48	7.5	8.1				11.0								1.15	4.46	55	2.2	2.42	1.95	350										
26	3.28	2.48	2.48	7.6	8.4				10.0		370		2	152		2	1.18	4.43	55	2	2.37	1.92	380							0.11	0.39	4	
27	3.13	2.48	2.48	7.4	8.2				10.0								1.1	4.24	50	3.7	2.59	2.12	340										
28	3.09	2.48	2.48	7.4	8.3				10.0								1.1	4.68	50	3.2	2.48	1.95	350										
29	3.87	2.48	2.48	7.4	8.2				11.0								1.04	4.72	50	2.2	2.55	2.05	320										
30																																	
31																																	
Tot.	101.19	71.92	71.92														32.23																
Avg.	3.49	2.48	2.48	7.5	8.3				10.5		348		2	142		2	1.112	5.228	50.62	3.134	2.6	2.08	358.3							0.13	0.38	4	

RESIDENTIAL  
 COMMERCIAL  
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
33232 FLOW  
24266 CBOD  
48202 TSS

Randolph P. Kustes Jr.  
 OPERATOR

35823  
 CERT. NO.

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

502-253-9310  
 PLANT TELEPHONE