



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)

April 21, 2010

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

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

There were no exceedences for the month of March at Floyds Fork WQTC.  
Also included are the Overflow Reports, bypass report and the First quarter Bio monitoring DMRs.

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

Sincerely,

John Kessel  
Process Supervisor, West Region

DJR/ Floyds Fork 0310

Enclosures

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



*Beneficial Use of Louisville's Biosolids*  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

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

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
10	03	01		10	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				
OXYGEN, DISSOLVED (DO) 00300 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	9	*****	*****	(19) MG/L	0	1/1	GRAB	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	7 INST MIN	*****	*****	(19) MG/L		THREE/WEEK	GRAB	
PH	SAMPLE MEASUREMENT	*****	*****	***	7.2	*****	8.7	(12) SU	0	1/1	GRAB	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	(12) SU		THREE/WEEK	GRAB	
SOLIDS, TOTAL SUSPENDED 00530 G 0 0	SAMPLE MEASUREMENT	3564	4108	(26) LBS/DY	*****	181	210	(19) MG/L	0	3/7	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	
SOLIDS, TOTAL SUSPENDED 00530 1 0 0	SAMPLE MEASUREMENT	47	66	(26) LBS/DY	*****	2	3	(19) MG/L	0	3/7	COMPOS	
EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	357	368	(26) LBS/DY	*****	18	20	(19) MG/L	0	3/7	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	
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0	SAMPLE MEASUREMENT	7	19	(26) LBS/DY	*****	0.3	0.9	(19) MG/L	0	3/7	COMPOS	
EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	*****	*****	****	*****	0.1	0.1	(19) MG/L	0	3/7	COMPOS	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	****	*****	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								502	540-6000	10	04	27
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)

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Facility Name/Location if different)

**NAME** FLOYDS FORK WQTC MSD  
**ADDRESS** C/O CEDAR CREEK WQTC  
 8405 CEDAR CREEK RD  
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**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 1  
 DISCHARGE NUMBER

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

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	03	01		10	03	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	2.45	3.08	(03) MGD	*****	*****	*****	***	0	CONTIN	CONTIN	
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTIN	CONTIN	
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	5	9	(13) 100ML	0	3/7	GRAB	
	PERMIT MEASUREMENT	*****	*****	***	*****	200	400	(13) 100ML		THREE WEEK	GRAB	
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	2440	2771	(26) LBS/DY	*****	125	154	(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	
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	39	42	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	COMPOS	
	PERMIT MEASUREMENT	271	407	(26) LBS/DY	*****	10	15	(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	CALCTD	CALCTD	
	PERMIT MEASUREMENT	*****	*****	***	85	*****	*****	(23) CENT		ONCE MONTH	CALCTD	
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	CALCTD	CALCTD	
	PERMIT MEASUREMENT	*****	*****	***	85	*****	*****	(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 those statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)							TELEPHONE		DATE		
TYPED OR PRINTED								502 540-6000		10	04	27
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							AREA CODE	NUMBER	YEAR	MO	DAY

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KY0102784  
 PERMIT NUMBER

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

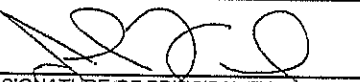
MONITORING PERIOD						
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PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
HARDNESS, TOTAL (AS CaCO3) 00900 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	305	305	(19) MG/L	0	1/90	COMPOS
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	*****	*****	***	*****	0.0270	0.0270	(19) MG/L	0	1/90	COMPOS
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	COMPOS
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	*****	*****	***	*****	<0.004	<0.004	(19) MG/L	0	1/90	COMPOS
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	*****	*****	***	*****	<0.002	<0.002	(19) MG/L	0	1/90	COMPOS
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	*****	*****	***	*****	*****	<1.0	(2G) TOXCTY	0	1/90	COMPOS
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	*****	*****	REPORT DAILY MX	(2G) TOXCTY		QTRLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT MEASUREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 H J SCHARDEIN  
 EXECUTIVE DIRECTOR  
 TYPED OR PRINTED

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.)

  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
502	540-6000	10	04	27
AREA CODE	NUMBER	YEAR	MO	DAY

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



Report Selections: Excluding PPI, CSO, Prob Code: BYPAS, 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
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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
--	------------------------	--	--	---------------------------------	------------------------

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	1036756	03/10/10 12:18 AM	ELDER	SPENCER	REPAIRED - ISSUE RESOLVED	03/10/10	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	03/10/10 12:34 AM	

**Spot Inspections:**

Discharge Amount:	24,365 GAL
Cause:	BYPASS UV DISINFECTION DUE TO MOMENTARY POWER DISRUPTION FROM LG&E - GENERATOR DID NOT DETECT POWER DISRUPTION
Clean Up:	NO CLEAN UP PERFORMED - PIPES DISCHARGE UNDERWATER, DIRECTLY INTO STREAM
Control Zone:	NO CONTROL ZONE WAS SET UP - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM
Impact:	NONE OBSERVED - OUTLETS SUBMERGED
Repair:	MANUAL START OF EMERGENCY GENERATOR TO RESTORE POWER - GENERATOR INSPECTION INDICATES GENERATOR SYSTEMS FUNCTIONING PROPERLY

**Notifications:**

03/10/10 02:19 AM	DISPUB	PERMANANT SIGNS POSTED IN AREA <a href="http://www.msdlouky.org/projectwin/">http://www.msdlouky.org/projectwin/</a>
03/10/10 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov

Total Facilities Printed: 3  
 Total Work Orders Printed: 3



700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
www.msdlouky.org

March 11, 2010

Mr. Charlie Roth, District Supervisor  
KY Division of Water  
Louisville Regional Office  
9116 Leesgate Road  
Louisville, KY 40222-5084

Re: Bypass Report for the: Floyds Fork WQTC- KPDES Permit: KY0102784

Dear Mr. Roth:

This plant may have experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on March 10, 2010, referencing Work Order 1036756 as a Dry Weather Discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: On March 10, 2010, our electrical service provider (LG&E) had a 69 KVA circuit breaker failure, which caused a momentary power disruption to the Floyds Fork WQTC. An operator on the plant noticed the power disruption. Upon inspecting equipment status, MSD personnel realized the backup power generator was not running. MSD personnel manually started the generator to supply power to the plant. We can not determine an actual bypass of the plant UV disinfection system, but suspect a bypass potentially could have occurred. We are reporting 24,365 gallons of waste water went through the UV disinfection system during the period of the momentary power disruption and until the backup generator was started. The waste water did receive full primary and secondary treatment, but potentially may not have received full UV disinfection.
- Period of noncompliance: Starting 12:18 AM on March 10, 2010 and stopping 12:34 AM on March 10, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: On March 10, 2010, MSD personnel had a contractor troubleshoot the function of the backup generator. The generator performed properly as designed, and no problems were found. As a result of the 69 KVA circuit breaker failure, we believe that the LG&E power intureption was so brief that our backup generator had not recognized the outage by the time power was restored.
- Additional comments: There are no additional comments

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-587-5856, my cell phone at (502)-548-3209 or via email at Rheinlae@msdlouky.org.

Sincerely,

FF 3.10.10 bypass revised.doc  
Rev. 7/30/2009



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

Mr. Charlie Roth, District Supervisor  
KY Division of Water  
Page 2

Donald Rheinlaender Jr.  
Process Supervisor-Operations

cc: Gary Levy, KDEP  
Paula Purifoy, MSD  
eB File