



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

March 15, 2010

Carolena Bentley, DMR Coordinator
Kentucky Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601

RE: Jeffersontown WQTC, KPDES No: KY0025194
Discharge Monitoring Report
February 2010

Dear Ms. Bentley:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Jeffersontown WQTC KPDES No.: KY0025194 for the month of February 2010.

Also included are copies of the discharge report, plant bypass (blending) letters.

There were no exceedences to report.

If you have any questions concerning the attached DMR's, please contact me at (502) 239-7574.

Sincerely,

A handwritten signature in cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Jeffersontown 02.10.doc

Enclosures

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



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

PERMITTEE NAME/ADDRESS (include

Facility Name/Location if different)

NAME JEFFERSONTOWN WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY JEFFERSONTOWN WQTC

LOCATION LOUISVILLE KY 40299
 ATTN: DENNIS THOMASSON SR. METRO OPS

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)
 DISCHARGE MONITORING REPORT (DMR)


KY0025194
 PERMIT NUMBER

0012
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL JEFFE
 FLOW BOD TSS DO PH
 EFFLUENT
 [] No Discharge

MONITORING PERIOD						
YEAR	MO	DAY	YEAR	MO	DAY	
10	02	01	TO	10	02	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	SAMPLE MEASUREMENT	*****	*****	***	10	*****	*****	(19) MG/L	0	1/1	GRAB	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	7 INST MIN	*****	*****	(19) MG/L		THREE/WEEK	GRAB	
PH	SAMPLE MEASUREMENT	*****	*****	***	6.7	*****	7.5	(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	4241	5085	(26) LBS/DY	*****	127	169	(19) MG/L	0	1/1	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	372	443	(26) LBS/DY	*****	11	13	(19) MG/L	0	1/1	COMPOS	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	1000 MO AVG	1501 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	452	518	(26) LBS/DY	*****	14	15	(19) MG/L	0	1/1	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	12	18	(26) LBS/DY	*****	0.4	0.5	(19) MG/L	0	1/1	COMPOS	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	334 MO AVG	500 MX WK AV	(26) LBS/DY	*****	10 MO AVG	15 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
PHOSPHORUS, TOTAL (AS P) 00665 1 2 1	SAMPLE MEASUREMENT	30	35	(26) LBS/DY	*****	0.9	1.0	(19) MG/L	0	1/1	COMPOS	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	67 MO AVG	100 MX WK AV	(26) LBS/DY	*****	2.0 MO AVG	3.0 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	03	15
TYPED OR PRINTED								AREA CODE	NUMBER			

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

PERMITTEE NAME/ADDRESS (include

Facility Name/Location (if different)

NAME JEFFERSONTOWN WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY JEFFERSONTOWN WQTC

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)
 DISCHARGE MONITORING REPORT (DMR)

KY0025194
 PERMIT NUMBER

001 2
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL JEFFE
 FLOW BOD TSS DO PH
 EFFLUENT
 [] No Discharge

LOCATION LOUISVILLE KY 40299
 ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	10	02	01		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		4.21	4.76	(03) MGD	*****	*****	*****	***	0	CONTIN	CONTIN
EFFLUENT GROSS VALUE COLIFORM, FECAL GENERAL	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(03) MGD	*****	*****	*****	***		CONTIN	CONTIN
74055 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	3	4	(13) 100ML	0	1/1	GRAB
EFFLUENT GROSS VALUE BOD, CARBONACEOUS 05 DAY, 20C	PERMIT MEASUREMENT	*****	*****	***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/ WEEK	GRAB
80082 G 0 0	SAMPLE MEASUREMENT	2979	3273	(26) LBS/DY	*****	88	97	(19) MG/L	0	1/1	COMPOS
RAW SEW/INFLUENT BOD, CARBONACEOUS 05 DAY, 20C	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
80082 1 0 0	SAMPLE MEASUREMENT	160	256	(26) LBS/DY	*****	4	5	(19) MG/L	0	1/1	COMPOS
EFFLUENT GROSS VALUE BOD, CARB 5-DAY, 20 DEG C, PERCENT REMVL	PERMIT MEASUREMENT	667 MO AVG	1001 MX WK AV	(26) LBS/DY	*****	20 MO AVG	30 MX WK AV	(19) MG/L		THREE/ WEEK	COMPOS
80091 K 0 0	SAMPLE MEASUREMENT	*****	*****	***	95	*****	*****	(23) CENT	0	1/28	CALCTD
PERCENTREMOVAL SOLIDS, SUSPENDED PERCENT REMOVAL	PERMIT MEASUREMENT	*****	*****	***	85 MO AVG	*****	*****	(23) CENT		ONCE/ MONTH	CALCTD
81011 K 0 0	SAMPLE MEASUREMENT	*****	*****	***	91	*****	*****	(23) CENT	0	1/28	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
 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. 1310. (Penalties under those statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502 540-6000
 AREA NUMBER
 DATE 10 03 15
 YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 JSE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

NAME OF TREATMENT PLANT JEFFERSONTQWN WTP
 KPDES PERMIT NUMBER KY0025194

COUNTY JEFFERSON
 PLANT CAPACITY 4.0 MGD

MONTH OF: February 2010
 RECEIVING STREAM CHENOWETH RUN

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	MLVSS X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		RAW		HAULED		TOTAL PHOS. (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS				% VOLATILE SOLIDS
1	3.45			6.8	7.0	2.0					10.5		214	12	142	5	1.47	5.55	22	7.1	3.05	2.75	150	150						0.69	0.50	3	
2	3.49			6.9	7.0	10.0					10.2		131	6	154	2	1.4	6.44	30	6.4	3.34	2.56	140	130						0.82	0.50	3	
3	3.40	3	3	7.0	7.0	10.0					10.1		105	9	103	4	1.49	5.55	25	6.3	3.06	2.47	140	140						0.97	0.40	3	
4	3.28			6.9	7.1	4.0					10.1		118	6	79	3	1.54	5.63	23	6.6	3.27	2.38	130	130						0.85	0.60	3	
5	6.74			7.0	7.0	5.0					10.1		85	35	54	7	1.53	6.35	29	6.2	3.14	2.47	140	130						1.91	0.80	3	
6	7.57			6.9	7.0	4.0					10.3		88	11	46	13	1.58	8.04	29	6.6	2.48	1.88	100	100						1.02	0.40	3	
7	5.38			6.8	7.0	2.0					10.1		54	9	74	4	1.56	9.21	22	6	3.08	2.31	130	120						0.57	0.40	7	
8	4.61			6.8	7.2	5.0					10.4		91	8	88	5	1.55	7.52	18	7.2	3.09	2.17	140	140						0.61	0.40	3	
9	4.29			6.9	7.2	5.0					10.2		108	9	54	4	1.54	6.19	26	6.4	3.67	2.7	110	100						0.91	0.40	7	
10	4.14	3	3	6.9	7.2	6.0					10.5		143	14	118	6	1.54	7.24	28	7	3.49	2.6	120	110						0.96	0.40	3	
11	3.99			6.8	7.1	11.0					10.5		93	11	72	4	1.51	6.42	29	6.8	2.97	2.3	110	110						1.07	0.06	3	
12	3.97			6.9	6.9	8.0					10.3		167	10	111	5	1.49	6.73	29	6.6	3.1	2.31	120	120						0.95	1.10	7	
13	3.84			7.0	7.0	7.0					10.2		83	16	55	8	1.47	5.76	25	6.2	3.83	2.96	100	100						1.12	0.50	3	
14	3.61			6.9	7.0	6.0					10.4		61	5	77	3	1.47	5.76	21	6.5	3.19	2.41	120	120						0.71	0.06	3	
15	3.57			7.0	7.1	6.0					10.3		126	6	96	2	1.5	6.8	31	6.6	2.99	2.51	120	100						0.90	0.06	3	
16	3.53			7.0	7.0	9.0					10.5		156	7	80	2	1.5	5.44	33	6.6	3.12	2.47	140	110						0.96	0.30	3	
17	3.52	3	3	6.9	7.5	10.0					10.5		489	10	148	4	1.5	6.34	32	6.7	2.71	2.14	120	110						0.99	0.40	3	
18	3.67			7.0	7.4	16.0					10.3		114	8	80	3	1.49	7.16	32	6.4	2.97	2.29	120	120						1.26	0.06	3	
19	3.75			6.9	7.0	11.0					10.2		71	8	52	5	1.5	6.81	20	6.2	2.8	2.5	110	110						0.99	0.50	3	
20	4.15			6.8	6.9	9.0					10.1		128	14	61	3	1.54	6.36	25	6.3	2.9	2.24	130	120						1.05	0.45	3	
21	5.11			6.9	6.7	10.0					10.4		96	17	56	3	1.52	6.67	26	6	2.81	2.09	130	130						0.68	0.45	3	
22	5.51			6.8	7.5	15.0					10.0		123	10	80	3	1.51	7.62	30	5.9	3.11	2.34	120	110						0.78	0.06	3	
23	4.65			7.1	6.8	10.0					10.3		144	10	87	3	1.52	7.08	26	6.1	2.72	2.35	130	120						0.69	0.06	3	
24	4.16	3	3	6.7	7.3	8.0					10.3		118	9	90	3	1.52	7.66	20	6	3.11	2.76	140	130						0.69	0.06	3	
25	3.89			6.7	7.5	10.0					10.5		103	11	65	2	1.53	5.65	20	7	2.99	2.28	130	130						0.66	0.84	3	
26	3.65			6.7	7.4	6.0					10.4		185	12	225	4	1.52	6.11	20	6.8	2.55	2.47	150	140						0.79	0.06	3	
27	3.53			6.8	7.3	10.0					10.2		38	12	25	4	1.52	5.87	20	6.7	2.62	2.48	140	130						0.66	0.06	3	
28	3.42			6.7	7.4	10.0					10.4		117	11	104	4	1.53	5.99	26	6.9	2.71	2.51	150	140						0.56	0.06	3	
29																																	
30																																	
31																																	
Tot.	117.86	12	12														42.34																
Avg.	4.21	3	3	6.9	7.1	8.0					10.3		127	11	88	4	1.512	6.57	25.61	6.504	3.031	2.418	127.9	121.4						0.89	0.35	3	

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
40089 FLOW
19261 CBOD
21189 TSS

Miko Stephenson
 OPERATOR

9616
 CERT. NO.

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

(502)267-9257
 PLANT TELEPHONE



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

February 8, 2010

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

Re: Bypass (Blending) Report for the Jeffersontown WQTC – KPDES Permit KY0025194

Dear Mr. Roth:

In accordance with 401 KAR 5:065, MSD is providing this letter as a written report of the bypass (blending) event that occurred at the Jeffersontown Water Quality Treatment Center (WQTC). The bypass started at 04:34 PM on February 05, 2010 and stopped at 02:24 AM on February 06, 2010.

Mitigation activities to minimize the extent and impact of the discharge included maximization of plant peak flow through secondary treatment to minimize the total amount of wastewater that did not receive full secondary treatment prior to blending with secondary effluent before receiving UV disinfection, and then being discharged through the permitted outfall. The cause of the bypass (blending) event was due to significant precipitation in the service area. The bypassed (blended) effluent entered Chenoweth Run at mile point 5.3.

In the table listed below is the total number of gallons of wastewater by calendar day that was bypassed (blended) around the secondary treatment of the Jeffersontown WQTC.

<u>Date</u>	<u>Start Time</u>	<u>Stop Time</u>	<u>Total Plant Flow (Vol)</u>	<u>Peak Plant Rate</u>	<u>Total Blended Flow (Vol)</u>
February 05 2010	04:34 PM	11:59 PM	5.29 MG	12.77 MGD	0.48 MG
February 06 2010	12:00 AM	02:24 AM	6.43 MG	9.98 MGD	0.04 MG

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-239-7574, my cell phone at (502)-396-9142 or via email at wrightd@msdlouky.org.

Sincerely,

Duane V. Wright
 Process Supervisor-Operations

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





IMAST0004
 Overflow Report
 Initiated February 2010

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

KPDES # Facility ID Water Quality Treatment Center Receiving Stream of Treatment Center Region
 KY0025194 MSD0255 JEFFERSONTOWN CHENOWETH RUN CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to					
SPL Sewer Treatment Plant	MSD0255	10725 OLD TAYLORSVILLE RD		CHENOWETH RUN	STREAM					
Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1011559	02/05/10 04:34 PM	ELDER	WRIGHT	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	02/06/10 02:24 AM	

Spot Inspections:

Peak Plant Flow when Blending:	12,768,834 GPD
Total Plant Flow when Blending:	11,721,000 GAL
Discharge Amount:	516,725 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA
Clean Up:	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL
Control Zone:	NO CONTROL ZONE WAS SET UP - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM
Impact:	NONE OBSERVED - OUTLETS SUBMERGED
Repair:	NOGOTATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

Notifications:

02/05/10 05:22 PM	DISPUB	Notification by http://www.msdlouky.org/projectwin/ Also, PERMANENT SIGNS POSTED IN AREA
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



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

Total Facilities Printed: 1
Total Work Orders Printed: 1