



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

November 16, 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
October 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 October 2010.

There were no exceedences, bypass or overflow reports.

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 10.10.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)

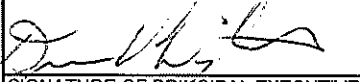
KY0025194
 PERMIT NUMBER

0012
 DISCHARGE NUMBER

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

MONITORING PERIOD
 FROM YEAR 10 MO 10 DAY 01 TO YEAR 10 MO 10 DAY 31

NOTE: Read instructions before completing this form

PARAMETER		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	*****	*****	***	8	*****	*****	(19) MG/L	0	1/1	GR
PH	PERMIT MEASUREMENT	*****	*****	***	7 INST MIN	*****	*****	(19) MG/L		THREE/ WEEK	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	6.2	*****	7.3	(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	4640	5191	(26) LBS/DY	*****	234	269	(19) MG/L	0	1/1	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	119	151	(26) LBS/DY	*****	6	6	(19) MG/L	0	1/1	CP
	PERMIT MEASUREMENT	1000	1501	(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	480	488	(26) LBS/DY	*****	24	25	(19) MG/L	0	1/1	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 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	46	44	(26) LBS/DY	*****	2	2	(19) MG/L	0	1/1	CP
	PERMIT MEASUREMENT	133	200	(26) LBS/DY	*****	4 MO AVG	6 MX WK AV	(19) MG/L		THREE/ WEEK	COMPOS
PHOSPHORUS, TOTAL (AS P) 00665 1 1 1 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	15	15	(26) LBS/DY	*****	0.7	0.8	(19) MG/L	0	1/1	CP
	PERMIT MEASUREMENT	33	50	(26) LBS/DY	*****	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. 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	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					502 540-6000		10 11 19			
TYPED OR PRINTED						AREA CODE		NUMBER		YEAR MO DAY	

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

USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

DISCHARGE MONITORING REPORT (DMR)

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

KY0025194
 PERMIT NUMBER

0012
 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					
YEAR	MO	DAY	YEAR	MO	DAY
10	10	01	10	10	31

FROM

TO

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	SAMPLE MEASUREMENT	2.39	2.68	(03) MGD	*****	*****	*****	***	0	CN	CN
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(03) MGD	*****	*****	*****	***		CONTIN UOUS	CONTIN
COLIFORM, FECAL GENERAL 74055 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	4	5	(13) 100ML	0	1/1	GR
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	4191	5158	(26) LBS/DY	*****	212	266	(19) MG/L	0	1/1	CP
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	46	51	(26) LBS/DY	*****	2	3	(19) MG/L	0	1/1	CP
EFFLUENT GROSS VALUE	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
BOD, CARB 5-DAY, 20 DEG C, PERCENT REMVL 80091 K 0 0	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	1/31	CA
PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	***	85 MO AVG	*****	*****	(23) CENT		ONCE/ MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0	SAMPLE MEASUREMENT	*****	*****	***	98	*****	*****	(23) CENT	0	1/31	CA
PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	***	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. 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	11	19	
TYPED OR PRINTED						AREA CODE	NUMBER	YEAR	MO	DAY	
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											

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

USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

NAME OF TREATMENT PLANT JEFFERSONTOWN WTP
 KPDES PERMIT NUMBER KY0025194

COUNTY JEFFERSON
 PLANT CAPACITY 4.0 MGD

MONTH OF: October 2010
 RECEIVING STREAM CHENOWETH RUN

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	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) X 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000	TOTAL PHOS. (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)
																		GAL/DAY X 1000	MLSS X1000	MLVSS X 1000					30 MIN.	60 MIN.									
		1	2.20			6.7	6.9	10.0				8.3		239		5	261		2	1.41	6.345	36	6.4	2.57	1.85	140	140							0.81	1.30
2	2.18			6.8	6.7	13.0				8.2		29		9	49		2	1.54	3.135	34	7.9	2.63	1.73	140	130							0.85	0.90	7	
3	2.19			6.7	6.7	5.0				8.1		165		8	150		2	1.43	2.745	33	7.6	2.93	2.07	120	110							0.69	0.78	4	
4	2.32			7.1	7.2	15.0				8.8		290		9	264		2	1.416	5.39	40	7.6	2.76	2.06	130	130							0.93	0.56	10	
5	2.27			6.8	7.0	16.0				8.7		288		5	216		2	1.415	4.32	22	7.1	2.75	1.98	130	120							0.70	0.67	4	
6	2.27	3	3	6.7	6.7	16.0				8.6		262		4	152		2	1.398	4.775	36	6.7	3.16	2.4	130	120							0.58	0.84	4	
7	2.24			7.4	6.6	24.0				8.1		284		4	205		2	1.423	4.98	37	6.9	2.54	1.83	120	120							0.63	1.10	4	
8	2.23			6.7	6.6	26.0				8.3		268		2	301		2	1.618	4.68	43	6.5	2.94	2.09	80	80							0.61	1.70	4	
9	2.13			6.7	6.9	20.0				8.1		246		3	234		2	1.472	4.83	44	6.4	2.45	1.78	100	100							0.60	1.00	4	
10	2.18			6.7	7.0	13.0				8.4		357		4	339		3	1.461	2.665	42	6.3	2.21	1.63	100	100							0.79	1.10	4	
11	2.26			6.4	6.5	25.0				8.4		230		4	240		2	1.482	5.07	43	5.3	2.68	2.02	110	100							0.43	0.78	7	
12	2.27			6.6	6.9	13.0				8.3		258		7	246		2	1.508	3.84	33	5.5	2.33	1.72	100	100							0.63	0.67	3	
13	2.47	3	3	5.5	6.2	30.0				8.2		324		6	234		4	1.498	6.185	42	5.7	2.37	1.75	100	100							0.90	1.40	4	
14	2.76			6.7	6.8	20.0				8.8		200		10	269		3	1.476	5.66	35	6.8	2.01	1.41	100	90							1.36	0.78	4	
15	2.41			7.6	7.3	15.0				8.6		220		10	224		4	1.619	4.865	39	6.6	2.23	4.59	100	100							1.22	1.10	4	
16	2.29			6.4	6.5	17.0				8.1		174		7	169		3	1.451	4.43	35	6.4	2.18	1.57	100	100							0.83	1.10	4	
17	2.31			6.9	7.0	10.0				8.2		180		4	160		2	1.423	3.595	35	6.6	2.39	1.74	110	100							0.59	0.90	4	
18	2.32			6.5	6.8	15.0				8.5		269		5	238		2	1.411	5.19	42	6.8	2.09	1.57	110	100							0.65	0.95	4	
19	2.30			6.6	7.1	15.0				8.6		187		7	230		2	1.43	4.615	41	7.2	2.2	1.67	110	100							0.72	1.20	4	
20	2.28	3	3	6.7	6.9	20.0				8.6		204		5	270		2	1.405	5.15	40	7	2.26	1.72	120	110							0.75	0.78	4	
21	2.30			6.5	6.9	26.0				8.6		278		3	247		2	1.404	4.17	40	7	2.29	1.67	120	110							0.73	0.95	4	
22	2.23			6.6	6.7	20.0				8.8		267		3	270		2	1.368	5.25	35	7.2	2.14	1.57	120	120							0.68	1.10	7	
23	2.23			6.7	6.7	18.0				8.1		207		7	234		3	1.361	5.25	40	7.1	2.16	1.59	120	120							0.98	1.40	4	
24	2.27			6.5	6.5	10.0				8.0		213		6	225		2	1.417	6.395	37	7	0.93	1.53	120	110							0.65	0.95	4	
25	2.34			6.5	6.8	15.0				8.3		302		10	235		3	1.386	4.97	39	6.7	2.22	1.63	130	120							0.77	1.20	4	
26	3.82			6.6	6.9	22.0				8.4		184		12	128		2	1.353	3.98	41	7	2.05	1.5	120	120							0.73	1.70	10	
27	3.20	3	3	6.5	6.9	12.0				8.7		207		5	168		2	1.387	6.835	34	6.8	2.27	1.64	120	110							0.54	1.60	3	
28	2.65			6.6	6.7	25.0				8.7		228		2	174		2	1.401	5.055	34	6.9	2.08	1.56	130	130							0.55	5.70	4	
29	2.47			6.7	6.9	22.0				8.9		214		3	241		2	1.388	4.225	34	7.3	2.1	1.63	140	130							0.51	8.40	7	
30	2.43			6.6	7.3	10.0				8.3		253		4	80		2	1.388	3.535	35	7.2	2.07	1.62	140	130							0.56	13.20	3	
31	2.38			6.7	6.7	17.0				8.0		219		8	130		3	1.397	3.4	34	6.6	2.13	1.65	140	140							0.93	14.90	4	
Tot.	74.19	12	12															44.54															0.93	14.90	4
Avg.	2.39	3	3	6.7	6.8	17.3				8.4		234		6	212		2	1.437	4.695	37.26	6.777	2.326	1.831	117.7	112.6							0.74	2.28	4	

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

22792
 FLOW

24932
 CBOD

22216
 TSS

Mike Stephenson
 OPERATOR

9616
 CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

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

November 29, 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 01:07 PM on November 25, 2010 and stopped at 07:38 AM on November 26, 2010.

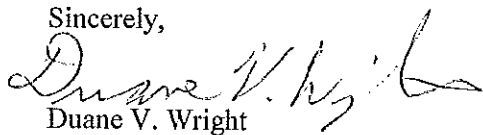
Mitigation activities to minimize the extent and impact of the discharge included maximization of plant peak flow through secondary treatment to minimize the total amount of wastewater that did not receive full secondary treatment prior to blending with secondary effluent before receiving UV disinfection, 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>
November 25 2010	01:07 PM	11:59 PM	8.37 MG	16.68 MGD	1.87 MG
November 26 2010	12:00 AM	07:38 AM	8.28 MG	14.86 MGD	0.96 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

