



Metropolitan Sewer District

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

August 19, 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
July 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 July 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,

Duane V. Wright
Process Supervisor Central Region

DVW/Jeffersontown 07.10.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

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

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

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	07	01		10	07	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			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3.28	3.73	(03) MGD	*****	*****	*****	***	0	CN	CN
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTIN
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	8	15	(13) 100ML	0	1/1	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	2419	3177	(26) LBS/DY	*****	97	167	(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
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	64	90	(26) LBS/DY	*****	2	3	(19) MG/L	0	1/1	CP
	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 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	98	*****	*****	(23) CENT	0	1/31	CA
	PERMIT MEASUREMENT	*****	*****	***	85 MO AVG	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	95	*****	*****	(23) CENT	0	1/31	CA
	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD
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. 1315. (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		
H J SCHARDEIN EXECUTIVE DIRECTOR					<i>Dennis Thomasson</i>		502	540-6000	10	08	25
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.

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

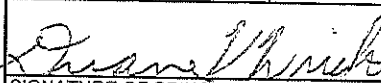
0012
 DISCHARGE NUMBER

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

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

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YEAR	MO	DAY	TO	YEAR	MO	DAY
10	07	01		10	07	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				
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	*****	*****	***	6.3	*****	7.4	(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	3318	3394	(26) LBS/DY	*****	128	186	(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	173	277	(26) LBS/DY	*****	6	8	(19) MG/L	0	1/1	CP	
	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 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	383	425	(26) LBS/DY	*****	15	19	(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	20	23	(26) LBS/DY	*****	0.8	0.9	(19) MG/L	0	1/1	CP	
	PERMIT MEASUREMENT	133 MO AVG	200 MX WK AV	(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	16	24	(26) LBS/DY	*****	0.6	0.8	(19) MG/L	0	1/1	CP	
	PERMIT MEASUREMENT	33 MO AVG	50 MX WK AV	(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								502	540-6000	10	08	25
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.

NAME OF TREATMENT PLANT JEFFERSONTOWN WTP
 KPDES PERMIT NUMBER KY0025194

COUNTY JEFFERSON
 PLANT CAPACITY 4.0 MGD

MONTH OF: July 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	WASTE D	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	WTF/DRAWN GALLONS X 1000	TOTAL PHOS. (mg/L)	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)
1	2.42			6.5	6.5		0.0			8.4		185	5	191		2	1.68	4.51	29		7.1	1870	1370	120	110							0.74	0.62	52	
2	2.34			7.1	7.2		10.0			8.6		286	6	177		2	1.66	3.7	28		6	1310	960	120	110							0.59	0.95	12	
3	2.21			6.9	6.5		4.0			8.6		172	5	234		7	1.66	3.62	28		6.3	2540	1920	100	100							0.56	0.78	19	
4	2.12			6.9	6.8		5.0			8.4		121	9	127		2	1.66	3.68	25		5.9	2210	1730	100	100							0.62	1.10	4	
5	2.22			6.3	6.8		4.0			8.3		47	4	57		2	1.67	3.18	10		6.1	1600	1430	110	100							0.60	1.10	4	
6	2.28			6.3	6.4		4.0			8.2		202	4	143		2	1.54	4.56	31		5.6	2330	1790	100	100							0.59	0.78	45	
7	2.27	3	3	6.5	6.8		5.0			8.2		290	4	243		2	1.65	4.15	30		5.2	1930	1610	100	90							0.61	0.73	4	
8	2.84			6.3	6.6		8.0			7.9		156	7	91		3	1.65	4.14	30		4.5	1730	1500	100	90							0.68	0.62	21	
9	4.83			6.3	6.3		10.0			8.1		99	14	78		2	1.66	5.45	26		4	1840	1110	80	80							1.45	1.00	3	
10	3.27			7.0	6.4		8.0			8.2		72	10	33		3	1.63	4.49	23		5.1	2200	1570	80	80							0.59	0.67	4	
11	2.79			7.2	7.4		8.0			8.1		163	4	104		2	1.643	3.23	21		5.6	2330	1540	80	80							0.54	0.56	4	
12	2.73			6.4	6.4		10.0			8.1		98	9	119		2	1.66	4.32	30		4.9	2000	1450	90	80							0.89	0.62	67	
13	5.65			6.5	6.5		4.0			7.9		82	10	53		5	1.66	3.67	22		4.9	1730	1220	80	80							0.68	0.78	4	
14	3.98	3	3	6.9	6.6		4.0			8.3		69	5	60		2	1.65	4.92	22		6.5	2090	1430	70	70							0.47	0.67	4	
15	3.20			6.3	6.8		5.0			8.1		63	5	57		2	1.65	4.94	31		6.3	1990	1600	80	80							0.41	0.56	4	
16	2.88			6.4	7.1		5.0			8.1		55	5	43		2	1.65	5.4	25		6.3	2310	1640	100	100							0.45	0.84	10	
17	3.15			6.3	7.1		5.0			8.3		233	3	88		2	1.65	4.8	25		6.2	2110	1500	100	90							0.44	0.73	4	
18	2.84			6.5	6.8		15.0			8.1		202	4	152		2	1.66	4.62	25		6.1	2160	1580	110	100							0.48	1.40	4	
19	2.76			6.5	6.8		10.0			8.1		164	9	91		2	1.66	4.37	23		6.7	2130	1600	100	100							0.70	0.90	4	
20	5.02			6.2	6.7		7.0			8.1		76	3	55		2	1.67	5.3	64		6.9	2370	1620	110	100							0.43	0.06	4	
21	5.03	3	3	6.2	6.6		5.0			8.2		169	19	85		2	1.72	4.6	32		6.9	1770	1330	110	110							0.60	0.06	4	
22	3.84			6.8	7.1		5.0			8.2		90	7	84		2	1.71	6.46	28		5.8	1890	1370	120	110							0.39	0.50	4	
23	3.26			7.1	6.8		6.0			8.1		70	7	51		2	1.68	2.7	30		6.4	1690	1420	120	120							0.67	0.56	4	
24	2.85			6.8	6.7		5.0			7.6		42	4	39		2	1.75	4.15	32		5.6	1740	1460	120	110							0.42	1.60	7	
25	2.66			7.0	6.8		7.0			7.5		68	3	52		2	1.76	4.35	32		5.8	1980	1510	120	120							0.51	1.10	50	
26	2.72			6.2	6.6		2.0			8.1		112	2	126		2	1.75	4.29	30		5.5	1980	1840	130	120							0.45	0.95	50	
27	2.98			6.3	6.7		5.0			8.1		130	2	66		2	1.75	4.36	33		5.5	2660	2050	230	220							0.46	1.10	120	
28	4.55	3	3	6.4	6.9		5.0			8.1		70	3	42		2	1.73	4.16	32		6.5	2210	1580	140	130							0.43	0.45	4	
29	4.40			6.3	6.6		3.0			8.2		123	4	83		2	1.74	5.39	30		5.9	2280	1800	140	140							0.57	0.67	3	
30	3.36			6.2	6.6		10.0			8.3		135	4	102		2	1.72	5.3	40		6.8	2410	1740	150	140							0.59	0.67	4	
31	4.19			6.3	6.3		8.0			8.2		121	4	67		2	1.72	6.2	35		6	2440	1550	150	150							0.58	0.77	8	
Tot.	101.64	12	12														52.14																		
Avg.	3.28	3	3	6.5	6.7		6.2			8.2		128	6	97		2	1.682	4.481	29.03		5.9	2046	1542	111.6	106.8										

RESIDENTIAL COMMERCIAL INDUSTRIAL INDUSTRIAL WASTE POPULATION EQUIVALENT 31225 FLOW 15529 CBOD 16654 TSS OPERATOR mike stephenson CERT. NO. 9616

TOTAL NUMBER OF SEWER CONNECTIONS SEWERED POPULATION PLANT TELEPHONE (502) 267-9257