



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

August 13, 2012

Ms. Cheryl Edwards
Kentucky Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601

RE: Jeffersontown WQTC, KPDES No: KY0025194
Discharge Monitoring Report
July 2012

Dear Ms. Edwards:

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 2012.

There were no exceedences, bypasses or overflows to report.

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 7.12.doc

Enclosures

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



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

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						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	07	01		12	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)	SAMPLE MEASUREMENT	*****	*****	***	8	*****	*****	(19) MG/L	0	1/1	GR	
00300 1 0 0	PERMIT MEASUREMENT	*****	*****	***	7 INST MIN	*****	*****	(19) MG/L		THREE/WEEK	GRAB	
EFFLUENT GROSS VALUE												
PH	SAMPLE MEASUREMENT	*****	*****	***	6.2	*****	8.6	(12) SU	0	1/1	GR	
00400 1 0 0	PERMIT MEASUREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	(12) SU		THREE/WEEK	GRAB	
EFFLUENT GROSS VALUE												
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	7275	12634	(26) LBS/DY	*****	342	508	(19) MG/L	0	1/1	CP	
00530 G 0 0	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	
RAW SEW/INFLUENT												
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	114	143	(26) LBS/DY	*****	6	6	(19) MG/L	0	1/1	CP	
00530 1 0 0	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	
EFFLUENT GROSS VALUE												
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	430	450	(26) LBS/DY	*****	21	23	(19) MG/L	0	1/1	CP	
00610 G 0 0	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	
RAW SEW/INFLUENT												
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	18	20	(26) LBS/DY	*****	1	1	(19) MG/L	0	1/1	CP	
00610 1 1 0	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	
EFFLUENT GROSS VALUE												
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	12	13	(26) LBS/DY	*****	0.6	0.6	(19) MG/L	0	1/1	CP	
00665 1 1 1	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	
EFFLUENT GROSS VALUE												
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		
GREG C. HEITZMAN INTERIM EXECUTIVE DIRECTOR								502 540-6000		12 08 16		
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)
 USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

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)
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KY0025194
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ATTN: DENNIS THOMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	07	01		12	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	SAMPLE MEASUREMENT	2.48	2.82	(03) MGD	*****	*****	*****	***	0	CN	CN
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTINUOUS
COLIFORM, FECAL GENERAL 74055 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	3	3	(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	4826	6462	(26) LBS/DY	*****	231	265	(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	43	47	(26) LBS/DY	*****	2	2	(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 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 these 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		12 08 16			
						AREA 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

COUNTY JEFFERSON

MONTH OF: July 2012

KPDES PERMIT NUMBER KY0025194

PLANT CAPACITY 4.0 MGD

RECEIVING STREAM CHENOWETH RUN

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		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	RETURN		WASTED	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)	
																		GAL/DAY x 1000	MLSS x 1000					30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS				% VOLATILE SOLIDS
1	2.31		3	6.7	7.1	26.0			8.7		230	54	6	163	43	2	4220			5.1	2130	1960	125	110						0.48	1.00	2	
2	2.74			6.9	6.7	9.0			8.4		278	18	6	238	136	2	5540			6.9	2930	2180	120	110						0.59	0.62	2	
3	2.37			6.7	7.7	15.0			8.4		250	18	7	201	135	2	4560			6.5	2660	1930	110	110						0.55	0.67	2	
4	2.16			6.9	6.8	18.0			8.8		392	24	7	198	70	2	4760			6.2	2690	1920	100	100						0.57	0.67	2	
5	2.21			6.9	7.7	32.0			8.7		418	51	6	242	69	2	3820			6.1	2460	1820	100	100						0.58	1.00	3	
6	2.09			7.1	7.4	35.0			8.6		390	51	6	202	80	2	4180			5.8	2450	1750	100	100						0.55	1.10	2	
7	2.03		3	7.0	7.7	30.0			8.4		270	65	4	162	78	2	4370			7	2040	1620	110	100						0.54	0.84	2	
8	2.14			6.8	7.5	15.0			7.6		368	78	5	181	74	2	3320			7.5	2180	1370	110	100						0.52	0.78	2	
9	2.23			7.1	7.4	35.0			8.3		164	77	5	193	135	2	2810			7.5	2320	1630	120	110						0.50	0.11	2	
10	2.16			6.9	7.5	35.0			8.5		252	89	5	331	168	2	2550			6.7	1380	1310	140	100						0.52	0.73	2	
11	2.16			6.1	6.8	80.0			8.4		396	100	5	403	124	2	2990			7.4	4900	3760	140	150						0.45	1.40	2	
12	2.30			6.5	7.1	21.0			8.4		396	76	4	278	132	2	3680			7.6	2200	1620	140	140						0.53	1.20	4	
13	2.34		3	7.0	7.1	25.0			8.3		324	47	4	301	165	2	3420			7	2450	2790	200	200						0.44	1.10	5	
14	2.57			6.9	8.5	28.0			8.3		248	47	4	170	78	4	3170			7.1	2350	1720	500	300						0.39	1.30	2	
15	2.58			7.3	8.6	28.0			8.4		212	77	14	168	116	2	2420			7.2	2360	1600	150	150						0.43	1.70	2	
16	2.47			7.2	8.6	21.0			8.2		248	89	9	135	206	2	4780			6.9	2270	1650	150	150						0.77	1.20	2	
17	2.31			6.9	7.1	23.0			8.1		224	99	6	181	142	2	3800			6.8	2500	1760	150	150						0.50	1.10	2	
18	2.72			7.1	8.5	18.0			8.8		1180	68	3	493	76	2	2766			6.3	2240	1740	152	150						0.54	1.10	2	
19	3.40		3	7.0	7.0	60.0			8.6		600	54	5	339	52	2	3860			6.6	2120	1540	150	140						0.60	0.45	10	
20	3.47			6.9	7.0	35.0			9.1		924	70	4	366	118	2	4630			6.1	2170	1740	150	150						0.47	0.34	2	
21	2.81			7.1	6.9	80.0			8.6		168	88	3	169	93	2	4750			5.9	2450	1870	175	165						0.45	0.39	2	
22	2.43			7.0	7.1	21.0			8.6		160	72	4	112	95	2	3740			6.2	2310	1850	190	160						0.56	0.56	2	
23	2.43			7.0	6.7	23.0			8.7		256	95	2	219	163	2	5440			7.1	6170	1710	180	170						0.67	0.62	4	
24	2.36			6.9	6.9	18.0			8.1		486	89	6	349	162	2	3820			6.8	1660	1240	180	150						0.63	1.10	6	
25	2.40		3	6.5	6.2	60.0			8.6		87	76	5	176	192	2	2550			6.9	2590	2030	180	170						0.64	1.30	2	
26	2.37			6.6	7.6	65.0			8.1		352	72	4	244	129	2	3800			7	2490	1850	180	180						0.63	1.30	2	
27	3.10			7.0	8.3	40.0			7.8		64	67	8	115	79	2	4320			6.8	2500	1960	280	170						0.64	0.90	2	
28	3.07			6.8	6.9	20.0			8.5		192	59	6	149	120	2	5660			6.7	2510	1960	180	170						0.60	0.63	2	
29	2.50			6.8	6.8	20.0			8.0		128	56	6	120	375	2	4710			6.2	2420	1940	180	180						0.67	0.73	2	
30	2.42			6.7	7.4	14.0			8.2		776	73	6	375	162	2	4590			7	2610	2080	180	170						1.01	0.78	8	
31	2.37			7.0	7.4	27.0			8.4		156	73	6	195	162	2	4410			6.9	2340	1770	170	170						0.86	0.90	10	
Tot.	77.02		15																														
Avg.	2.48		3	6.9	7.4	31.5			8.4		342	67	6	231	127	2	3982			6.703	2544	1860	164.3	147.6						0.58	0.89	3	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
23663 FLOW
28185 CBOD
33712 TSS

Chris Langford
OPERATOR

24242
CERT. NO.

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

502-267-5828
PLANT TELEPHONE