



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

September 12, 2012

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

RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report-August 2012

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Cedar Creek WQTC, KPDES No.: KY0098540 for the month of August 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,

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

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 8.12.doc

Enclosures

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



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

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

KY0098540
PERMIT NUMBER

0012
DISCHARGE NUMBER

MAJOR (SUBR LV)
F - FINAL JEFFE
NEW EXPANSION
EFFLUENT
[] No Discharge

LOCATION LOUISVILLE KY 40291
ATTN: DENNIS THOMMASSON SR. METRO OPS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	08	01		12	08	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	*****	*****	***	7.5	*****	*****	(19) MG/L	0	1/1	GR	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	7.0 INST MIN	*****	*****	(19) MG/L		THREE/WEEK	GRAB	
PH 00400 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	6.7	*****	7.3	(12) SU	0	1/1	GR	
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	3956	4096	(26) LBS/DY	*****	244	271	(19) MG/L	0	3/7	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	
SOLIDS, TOTAL SUSPENDED 00530 1 0 0	SAMPLE MEASUREMENT	34	37	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	CP	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	1876 MO AVG	2815 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	327	342	(26) LBS/DY	*****	20	23	(19) MG/L	0	3/7	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	
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 1 0	SAMPLE MEASUREMENT	7	10	(26) LBS/DY	*****	0.4	0.5	(19) MG/L	0	3/7	CP	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	250 MO AVG	375 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 0 0	SAMPLE MEASUREMENT	2	2	(26) LBS/DY	*****	0.1	0.1	(19) MG/L	0	3/7	CP	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	63 MO AVG	94 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		
GREG C. HEITZMAN INTERIM EXECUTIVE DIRECTOR								502 540-6000		12	09	12
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)

Facility Name/Location if different)

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

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

KY0098540
 PERMIT NUMBER

0012
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL JEFFE
 NEW EXPANSION
 EFFLUENT
 [] No Discharge

LOCATION LOUISVILLE KY 40291

ATTN: DENNIS THOMMASSON SR. METRO OPS

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
12	08	01	12	08	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	SAMPLE MEASUREMENT	2.07	2.99	(03) MGD	*****	*****	*****	***	0	CN	CN	
50050 1 0 0	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTINUOUS	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	3	4	(13) 100ML	0	3/7	GR	
COLIFORM, FECAL GENERAL	PERMIT MEASUREMENT	*****	*****	***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/WEEK	GRAB	
74055 1 0 0	SAMPLE MEASUREMENT	2364	2438	(26) LBS/DY	*****	147	161	(19) MG/L	0	3/7	CP	
EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	32	37	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	CP	
80082 G 0 0	PERMIT MEASUREMENT	625 MO AVG	938 MX WK AV	(26) LBS/DY	*****	10 MO AVG	15 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
RAW SEW/INFLUENT	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	1/31	CA	
BOD, CARBONACEOUS 05 DAY, 20C	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD	
80082 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	1/31	CA	
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD	
BOD, CARB 5-DAY, 20 DEG C, PERCENT REMVL	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	1/31	CA	
80091 K 0 0	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD	
PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	1/31	CA	
SOLIDS, SUSPENDED PERCENT REMOVAL	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD	
81011 K 0 0	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	1/31	CA	
PERCENTREMOVAL	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 INDIVIDALS 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		
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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)

NAME OF TREATMENT PLANT CEDAR CREEK WTP
 KPDES PERMIT NUMBER KY0098540

COUNTY JEFFERSON
 PLANT CAPACITY 7.5 MGD

MONTH OF: August 2012
 RECEIVING STREAM CEDAR CREEK

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	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RETURN		PART FD	DISSOLVED OXYGEN (mg/L)	MILSS (mg/L)		MILVSS (mg/L)		SETTLED SLUDGE VOLUME		RAW		HAULED		NH3-N (mg/L)	FECAL COLIFORM (COLONIES/CC)	Total Phosphorus	
																					GAL/DAY X 1000	MLSS X 1000			GAL/DAY X 1000	MLSS X 1000	MILSS X 1000	MILVSS X 1000	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS				% VOLATILE SOLIDS
1	1.88			6.9	6.9			7.6		112		2	84		2	2.19	3460	55000	3.1	2480	2010	260	240											0.22	2	0.1		
2	1.91			6.9	7.1	14.0		7.5		238		2	140		2	2.15	4410	55000	2.9	2540	2010	250	240											0.30	2	0.108		
3	2.35			7.0	6.9	14.0		7.5								2.17	4610	55000	2.7	2480	1960	250	240															
4	2.78			7.0	7.0			7.8								2.12	7140	55000	3.3	2320	1790	240	230															
5	2.89			7.0	6.9			7.6		282		2	146		2	1.88	7050	50000	3.6	2990	1840	270	250											0.95	2	0.151		
6	2.23			7.1	6.8	10.0		7.6								1.79	5860	55000	3.2	2640	2080	260	250															
7	1.95			7.0	6.9			7.7								1.95	5090	55000	3.6	2840	2230	270	250															
8	1.89			7.0	6.8			7.5		276		3	160		2	1.98	4740	55000	3.4	3260	2570	280	250											0.45	2	0.1		
9	1.88			6.9	6.9	12.0		7.6		324		2	172		2	2.05	5420	62000	3.4	3010	2260	310	300											0.50	2	0.1		
10	1.83			6.9	6.9	16.0		7.6								2.03	5280	65000	3.0	2960	2110	300	280															
11	1.85			6.7	7.1			7.8								2.05	3780	60000	3.4	2510	2130	300	270															
12	1.98			6.6	7.0			7.5		149		2	118		2	2.02	4010	55000	3.4	2970	2360	290	270											0.34	2	0.1		
13	1.92			6.7	6.9	18.0		7.6								1.94	4260	55000	2.6	2910	2280	290	280															
14	1.85			6.8	6.9			7.6								1.99	4330	65000		3470	2750	360	300															
15	1.68			6.7	6.9			7.5		232		2	185		2	1.99	4740	60000	3.2	3090	2540	340	300											0.39	2	0.1		
16	1.82			6.8	6.8	16.0		7.6		400		2	173		2	2.02	3890	60000	2.9	2710	2160	330	280											0.28	2	0.1		
17	2.65			6.8	6.7	15.0		7.7								1.84	4020	60000	3.4	2680	2100	320	280															
18	2.28			6.6	6.8			7.5								1.94	4030	60000	3.2	2480	1830	310	290															
19	2.11			6.6	6.7			7.7		104		2	98		2	1.93	6950	60000	2.8	3020	2450	320	280											0.50	4	0.1		
20	1.98			6.7	6.8	18.0		7.8								1.74	4860	60000	2.1	2590	2050	310	290															
21	1.85			6.8	6.7			8.0								2.09	5460	60000	3.2	2520	1980	300	270															
22	1.79			6.7	6.8			7.7		188		2	140		2	2.11	4120	60000	3.1	2630	2110	310	280											0.34	2	0.1		
23	1.72			6.9	7.2	10.0		7.6		312		2	162		2	2.09	4180	60000	3.3	2930	2380	370	300											0.28	20	0.1		
24	1.65			7.0	7.3	21.0		7.8								2.13	3730	60000	3.1	2630	2120	300	260															
25	1.78			6.9	7.2			8.0								2.14	4640	60000	2.9	2780	2040	300	280															
26	1.91			6.8	7.1			7.7		314		2	182		2	2.08	5020	60000	3.4	2590	1800	300	270											0.56	2	0.101		
27	2.23			6.9	7.2	18.0		7.6								1.92	4740	60000	2.1	2480	1840	300	270															
28	2.99			6.8	7.0			7.8								2.10	5660	60000	3.6	2510	2060	300	260															
29	2.37			6.7	6.9			7.5								2.01	5240	60000	3.2	2480	1960	300	250															
30	2.20			6.8	6.8			7.6								2.07	4190	60000	3.4	2600	2080	300	250															
31	2.02			6.8	6.8			7.8								2.20	4050	60000	3.3	2540	1340	300	240															
Tot.	64.14															62.71																						
Avg.	2.07			6.8	6.9	15.2		7.7		244		2	147		2	2.023	4805	58612.9	3.127	2730	2104	298.1	268.5										0.43	3	0.105			

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

19704

14887

20069

Joseph Shaun Smith

20987

FLOW

CBOD

TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS

0

X

4

=

0

SEWERED POPULATION

502-239-7695

PLANT TELEPHONE