



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

August 16, 2011

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-July 2011

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 July 2011.

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 black ink, appearing to read "Duane V. Wright", is written over the word "Sincerely,".

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 7.11.doc

Enclosures

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



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

PERMITTEE NAME/ADDRESS (Include

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

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

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

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 11	07	01	TO	11	07	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	*****	*****	***	7.0	*****	*****	(19) MG/L	0	1/1	GR					
	PERMIT MEASUREMENT	*****	*****	***	7.0 INST MIN	*****	*****	(19) MG/L		THREE/ WEEK	GRAB					
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	6.9	*****	8.4	(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	1907	2258	(26) LBS/DY	*****	87	111	(19) MG/L	0	13/31	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	45	51	(26) LBS/DY	*****	2	2	(19) MG/L	0	13/31	CP					
	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 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	319	371	(26) LBS/DY	*****	15	19	(19) MG/L	0	13/31	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	15	51	(26) LBS/DY	*****	0.6	2	(19) MG/L	0	13/31	CP					
	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 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3	6	(26) LBS/DY	*****	0.1	0.3	(19) MG/L	0	13/31	CP					
	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							
H J SCHARDEIN EXECUTIVE DIRECTOR							502	540-6000	11	08	16					
TYPED OR PRINTED							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE								

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

PERMITTEE NAME/ADDRESS (Include

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

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YEAR	MO	DAY		YEAR	MO	DAY
FROM 11	07	01	TO	11	07	31

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PARAMETER		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	2.87	4.86	(03) MGD	*****	*****	*****	***	0	CN	CN
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTIN UOUS	CONTIN
COLIFORM, FECAL GENERAL 74055 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	*****	4	4	(13) 100ML	0	13/31	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	1430	1807	(26) LBS/DY	*****	65	93	(19) MG/L	0	13/31	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	45	51	(26) LBS/DY	*****	2	2	(19) MG/L	0	13/31	CP
EFFLUENT GROSS VALUE	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
BOD, CARB 5-DAY, 20 DEG C, PERCENT REMVL 80091 K 0 0	SAMPLE MEASUREMENT	*****	*****	***	97	*****	*****	(23) CENT	0	1/31	CA
PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(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		11 08 16								
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE								
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: July 2011

KPDES PERMIT NUMBER KY0098540

PLANT CAPACITY 7.5 MGD

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	RETURN		WASTED	GAL/DAY	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME		RAW			HAULED			NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Total Phosphorus
																		GAL/DAY x 1000	MLSS x1000						30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000			
1	2.71			6.9	7.0				10.0									1643.00	2470	70000	3.3	4750	3750	380	340										
2	2.44			6.8	7.1				9.0									1683.00		68000	2.9			380	350										
3	2.49			6.9	7.0				9.0		64		2	37		2	1619.00		70000	3.4			400	350							0.06	4	0.118		
4	2.72			6.7	6.9	1.0			8.0		120		2	86		2	1616.00	4440	55000	2.9	2780	2260	380	300							0.78	4	0.137		
5	2.37			7.0	7.0	6.0			8.0		136		2	76		2	1681.00	5450	60000	1.6	2350	1970	400	310							0.06	4	0.1		
6	2.21			7.0	7.1	1.0			8.0		124		2	53		2	1701.00	4920	62000	1.9	2370	1970	360	300							0.06	4	0.1		
7	2.23			7.0	7.2	7.0			8.0								1685.00	4530	57000	2.1	2310	1990	360	300											
8	4.18			6.9	7.2				8.0								1637.00	4310	66000	0.7	2450	2020	440	330											
9	3.94			7.0	7.1				8.0								1759.00		55000	2.2			200	170											
10	3.13			7.0	7.1				7.0		102		2	68		2	1742.00		52000	2.0			200	180							4.70	4	0.1		
11	2.77			7.0	7.5	1.0			8.0		70		2	63		2	1741.00	3510	62000	3.8	1770	1510	260	230							0.73	4	0.1		
12	3.29			7.0	7.3	4.0			8.0		80		2	39		2	1698.00	4180	68000	3.5	3720	3120	580	510							0.50	4	0.1		
13	4.50			7.1	7.4	5.0			8.0								1642.00	8070	65000	3.3	2640	2200	350	300											
14	3.26			7.1	7.7	4.0			8.0								1594.00	6310	68000	3.4	2850	2340	400	320											
15	2.81			7.5	7.8	5.0			8.0								1830.00	4210	70000	3.7	2840	2390	430	340											
16	2.77			7.4	7.7				8.0								1984.00		70000	3.2			400	330											
17	2.89			7.3	7.8				8.0		69		2	61		2	2013.00		70000	2.4			370	300							0.06	4	0.538		
18	3.16			7.0	7.5	33.0			8.0		57		2	60		2	1980.00	4600	65000	2.8	2680	2260	360	300							0.06	4	0.109		
19	2.87			6.9	7.6	18.0			8.0		40		2	26		2	1933.00	4920	67000	3.6	2730	2320	370	310							0.06	4	0.11		
20	4.86			6.9	7.4	15.0			8.0								2007.00	6690	50000	2.9	2280	1870	320	280											
21	3.42			7.1	7.5	5.0			8.0								1970.00	5830	50000	2.8	2585	2190	340	290											
22	2.97			7.0	7.7	18.0			8.0								1943.00	5130	79000	3.5	3260	2790	390	320											
23	2.72			7.4	7.8				8.0								1940.00		70000	2.8			340	300											
24	2.50			8.0	8.4				8.0		75		2	89		2	1770.00		50000	3.8			330	280							0.06	4	0.1		
25	2.32			7.4	7.7	15.0			8.0		112		2	101		2	1964.00	4210	60000	3.7	2650	2170	320	280							0.78	4	0.1		
26	2.15			7.3	7.6	12.0			8.0		80		2	90		2	2034.00	4690	55000	2.8	2710	2230	330	290							0.06	4	0.1		
27	2.14			7.1	7.5	5.0			8.0								1945.00	5220	65000	2.5	2690	2160	330	290											
28	2.08			7.2	7.4				8.0								2015.00	3980	70000	3.0	2470	2010	330	280											
29	2.11			7.3	7.2				8.0								1971.00	4210	57000	3.4	2560	2090	320	260											
30	2.19			7.2	7.1				8.0								1886.00		62000	3.3			330	280											
31	2.78			7.0	7.1				8.0								1916.00		60000	3.0			330	280											
Tot.	88.98																56542																		
Avg.	2.87			7.1	7.4	9.1			8.1		87		2	65		2	1823.935	4851	62839	2.91	2735	2267	355.8	300							0.61	4	0.139		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

27336

FLOW

9196

CBOD

9900

TSS

Joseph Shaun Smith

OPERATOR

20987

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS

0

X

4

=

0

SEWERED POPULATION

502-239-7695

PLANT TELEPHONE