



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

April 9, 2012

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

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

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/Cedar Creek 4.12.doc

Enclosures

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



Beneficial Use of Louisville's Biosolids  
[www.louisvillegreen.com](http://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

001 2  
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	04	01		12	04	30

NOTE: Read instructions before completing this form

PARAMETER	SAMPLE 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	PERMIT MEASUREMENT	3.43	7.00	(03) MGD	*****	*****	*****	***	0	CN	CN	
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTIN	
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0 RAW SEW/INFLUENT	PERMIT MEASUREMENT	*****	*****	(26) LBS/DY	*****	3	4	(13) 100ML	0	3/7	GR	
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	(26) LBS/DY	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/WEEK	GRAB	
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0 RAW SEW/INFLUENT	PERMIT MEASUREMENT	1985	2301	(26) LBS/DY	*****	68	89	(19) MG/L	0	3/7	CP	
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 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 80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	63	102	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	CP	
BOD, CARB 5-DAY, 20 DEG C, PERCENT REMVL 80091 K 0 0 PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	(26) LBS/DY	*****	10 MO AVG	15 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS	
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	(23) CENT	97	*****	*****	(23) CENT	0	1/30	CA	
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	(23) CENT	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD	
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	(23) CENT	99	*****	*****	(23) CENT	0	1/30	CA	
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	PERMIT MEASUREMENT	*****	*****	(23) CENT	85 MO MIN	*****	*****	(23) CENT		ONCE/MONTH	CALCTD	
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 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	
TYPED OR PRINTED					502   540-6000				12   05   18			
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)				AREA CODE				NUMBER		YEAR MO DAY		

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  
FROM YEAR 12 MO 04 DAY 01 TO YEAR 12 MO 04 DAY 30

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	*****	*****	***	8.1	*****	*****	(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	*****	*****	***	6.7	*****	7.2	(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	4352	7702	(26) LBS/DY	*****	134	167	(19) MG/L	0	3/7	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	63	102	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	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	340	369	(26) LBS/DY	*****	12	15	(19) MG/L	0	3/7	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 2 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	12	24	(26) LBS/DY	*****	0.4	1	(19) MG/L	0	3/7	CP
	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
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	3	6	(26) LBS/DY	*****	0.1	0.1	(19) MG/L	0	3/7	CP
	PERMIT MEASUREMENT	125 MO AVG	156 MX WK AV	(26) LBS/DY	*****	2.0 MO AVG	2.5 MX WK AV	(19) MG/L		THREE/WEEK	COMPOS
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 1316. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.					TELEPHONE 502 540-6000		DATE 12 05 18			
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 COUNTY JEFFERSON MONTH OF: April 2012  
 KPDES PERMIT NUMBER KY0098540 PLANT CAPACITY 7.5 MGD RECEIVING STREAM CEDAR CREEK

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		WITHDRAWN GALLONS X 1000	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Total Phosphorus			
																							30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS					% VOLATILE SOLIDS		
1	7.00				6.8				10.0		208	2	31		2	3.14	5020	70000	2.6	2630	2000	590	480								0.28	4	0.122		
2	6.21				6.8	14.0			9.6		126	2	60		2	3.15	5610	70000	3.2	2700	2140	550	440								0.28	4	0.101		
3	5.06				6.9	11.0			9.4		105	2	47		2	3.98	6150	65000	2.8	2680	2050	520	400								0.22	4	0.1		
4	4.47				6.8	10.0			9.5							2.25	6730	65000	2.4	3000	2350	600	450												
5	5.05				6.9				9.8							4.46	6240	70000	3.4	2890	2280	560	420												
6	4.10				6.9				9.6							2.58	5840	70000	2.8	2860	2200	560	400												
7	3.75				6.9				10.0							2.82	79376		2.7			550	390												
8	3.50				7.0				10.0		104	2	53		2		69330	2.9				540	400								0.50	4	0.1		
9	3.19				6.8	9.0			9.6		76	2	51		2	2.66	6690	70000	2.5	2830	2180	490	360								0.06	2	0.1		
10	2.94				6.7	5.0			9.8		124	2	70		2	2.46	5400	70000	2.6	2560	2010	510	390								0.06	2	0.1		
11	2.89				7.0	6.0			9.7							2.80	5190	70000	2.7	2590	2040	520	360												
12	2.72				7.0				9.5							2.86	5010	70000	2.5	2640	2080	450	360												
13	2.70				6.8				8.9							2.90	5260	70000	2.9	2510	2000	470	360												
14	2.85				6.8				8.4							2.70		70000	2.5			450	340												
15	2.97				7.0				8.4		119	2	77		2	2.91		70000	2.0			470	340							1.40	2	0.1			
16	2.79				6.9	12.0			8.6		118	2	56		2	2.82	4910	70000	1.4	2670	2040	450	330							1.30	2	0.1			
17	2.66				6.9	8.0			8.2		132	2	103		2	2.94	5160	70000	1.7	2610	2000	450	320							0.28	2	0.1			
18	2.42				7.1	7.0			8.4							2.99	5610	70000	2.7	2710	2160	470	330												
19	2.44				6.9	10.0			8.6							2.79	3890	70000	2.9	2570	1800	380	350												
20	2.50				7.0				8.4							2.91	4600	70000	2.5	3230	2570	350	300												
21	3.98				7.0				8.9							3.09	5450	70000	2.5	2460	1890	360	300												
22	3.48				7.0				9.1		106	2	96		2	2.56	4390	70000	2.7	2450	1920	360	300							0.45	2	0.1			
23	2.89				6.9	14.0			8.9		258	2	108		2	2.58	4570	70000	3.4	2390	1860	370	300							0.06	2	0.1			
24	2.73				7.0	8.0			8.8		136	2	62		2	2.74	4240	70000	3.7	2510	1940	360	300							0.28	2	0.1			
25	2.50				7.1	8.0			8.6							2.77	5140	70000	3.2	2540	2010	340	300												
26	2.41				6.9				8.6							2.95	4860	70000	2.9	2470	1980	340	300												
27	2.23				7.0				8.4							2.99	5020	70000	3.2	2580	2060	350	300												
28	2.54				6.9				8.5							2.89		70000	3.2			355	310												
29	4.23				7.1				9.3							2.95		62000	3.4			420	350												
30	3.73				7.2				8.1							2.82	4760	50000	3.2	2690	2100	400	310												
31																																			
Tot	102.96															84.46																			
Avg.	3.43				6.9	9.4			9.1		134	2	68		2	2.912	5239	68989.86	2.77	2657	2069	452.8	353							0.43	3	0.102			

RESIDENTIAL COMMERCIAL INDUSTRIAL      INDUSTRIAL WASTE POPULATION EQUIVALENT  
 32685      11421      18309      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