



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

May 9, 2010

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

RE: Cedar Creek WQTC, KPDES No: KY0098540
Discharge Monitoring Report-April 2010

Dear Ms. Bentley:

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 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,

A handwritten signature in black ink, appearing to read "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 04.10.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

001 1

DISCHARGE NUMBER

MAJOR
(SUBR LV)

F - FINAL JEFFE

NEW EXPANSION
EFFLUENT

[] No Discharge

MONITORING PERIOD

FROM YEAR MO DAY TO YEAR MO DAY
10 04 01 10 04 30

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	SAMPLE MEASUREMENT	*****	*****	***	8.0	*****	*****	(19) MG/L	0	29/30	GRAB
EFFLUENT GROSS VALUE	PERMIT MEASUREMENT	*****	*****	***	7.0 INST MIN	*****	*****	(19) MG/L		THREE/ WEEK	GRAB
PH 00400 1 0 0	SAMPLE MEASUREMENT	*****	*****	***	6.8	*****	7.0	(12) SU	0	29/30	GRAB
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	3504	3760	(26) LBS/DY	*****	123	155	(19) MG/L	0	3/7	COMPOS
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	169	233	(26) LBS/DY	*****	3	4	(19) MG/L	0	3/7	COMPOS
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	458	496	(26) LBS/DY	*****	17	22	(19) MG/L	0	3/7	COMPOS
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 2 0	SAMPLE MEASUREMENT	14	21	(26) LBS/DY	*****	0.7	2.3	(19) MG/L	0	3/7	COMPOS
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
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0	SAMPLE MEASUREMENT	12	16	(26) LBS/DY	*****	0.1	0.1	(19) MG/L	0	3/7	COMPOS
EFFLUENT GROSS VALUE	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		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.				TELEPHONE		DATE			
H J SCHARDEIN EXECUTIVE DIRECTOR						502 540-6000		10 04 27			
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE		NUMBER			
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

Facility Name/Location (if different)

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

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

KY0098540

PERMIT NUMBER

001 1

DISCHARGE NUMBER

MAJOR
(SUBR LV)

F - FINAL

NEW EXPANSION

EFFLUENT

☐ No Discharge

JEFFE

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM 10	03	01	TO	10	03	31

NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NOTE: Read instructions before completing this form		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	4.77	9.66	(03) MGD	*****	*****	*****	***	0	CONTINUOUS	CONTINUOUS
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***			
	SAMPLE MEASUREMENT	*****	*****	***	*****	5	10	(13)			
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	5	10	(13)	0	3/7	GRAB
	PERMIT MEASUREMENT	*****	*****	***	*****	200	400	(13)			
	SAMPLE MEASUREMENT	3580	3954	(26) LBS/DY	*****	30 DA GEO	7 DA GEO	100ML			
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	64	83	(26) LBS/DY	*****	102	122	(19) MG/L	0	3/7	COMPOS
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT MX WK AV	(26) LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	(19) MG/L			
	SAMPLE MEASUREMENT	625	938	(26) LBS/DY	*****	2	2	(19) MG/L			
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	10	15	(19) MG/L	0	3/7	COMPOS
	PERMIT MEASUREMENT	*****	*****	***	*****	MO AVG	MX WK AV	(19) MG/L			
	SAMPLE MEASUREMENT	*****	*****	***	98	*****	*****	(23) CENT			
BOD, CARB 5-DAY, 20 DEG C, PERCENT REMVL 80091 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	85	*****	*****	(23) CENT	0	1/30	ONCE/MONTH
	PERMIT MEASUREMENT	*****	*****	***	MO MIN	*****	*****	(23) CENT			
	SAMPLE MEASUREMENT	*****	*****	***	95	*****	*****	(23) CENT			
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	85	*****	*****	(23) CENT	0	1/30	ONCE/MONTH
	PERMIT MEASUREMENT	*****	*****	***	MO MIN	*****	*****	(23) CENT			
	SAMPLE 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. 1318. (Penalties under these 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					502 540-6000		10 04 27				
TYPED OR PRINTED					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 2010

KPDES PERMIT NUMBER KY0098540

PLANT CAPACITY 7.5 MGD

RECEIVING STREAM CEDAR CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLEABLE 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	GAU/DAY X 1000	MLSS X 1000	GAU/DAY X 1000	WASTE P	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 (COLON/EST100ML)	Total phosphorus
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000			
1	3.78	3	3	6.7	6.8					9.1		209		2	124		2	1752	5110	50	3.6	2585	2180	350	290								2.40	4	0.06
2	3.72			6.8	6.8	14.0			8.9									1906	4960	50	3.3	2575	2170	340	290										
3	3.98			6.7	6.8				9.0									1894		48	3.4			340	290										
4	3.84			6.8	6.9				9.0			121		2	107		2	1881		52	3.6			350	290							3.00	4	0.06	
5	3.68			6.8	6.8	10.0			8.5			136		2	127		2	1714	5130	50	2.6	2580	2205	350	300							1.40	4	0.06	
6	3.56			6.7	6.8	11.0			8.6									2023	5060	50	2.6	2545	2190	340	300										
7	3.53			6.8	7.0	10.0			8.8									2052	4090	50	3.3	2750	2125	350	300										
8	6.60	3	3	6.8	6.9				9.4			89		4	60		2	2019	4660	53	3.2	2685	2160	360	300							0.06	10	0.072	
9	5.57			6.8	6.8	13.0			9.0									2475	7130	50	3.4	2870	2310	400	340										
10	4.70			6.8	7.0				9.0									3666		50	3.3			400	310										
11	4.57			6.7	7.0				9.4			97		5	88		2	3598		60	3			400	300							0.84	7	0.1	
12	4.19				6.9	10.0			8.7			92		4	84		2	3429														0.06	14	0.072	
13	4.28			6.8	6.8	10.0			9.0									3195		55															
14	4.42			6.8	6.8				9.2									2657	6270	40	3.2	2945	2195	400	340										
15	4.36	3	3	6.7	6.8				9.4			132		3	94		2	1911	5040	44	3.4	2760	2290	390	320							0.62	4	0.069	
16	4.12			6.8	6.8	8.0			9.2									1879	5980	45	3.4	2710	2280	380	320										
17	5.00			6.9	6.9				8.8									1918		52	3.7			400	340										
18	4.53			6.7	6.8				9.0			124		3	188		2	1892		52	3.4			390	340							0.06	4	0.091	
19	4.02			6.8	6.8	6.0			9.1			122		3	84		2	1748	5970	53	3.4	2900	2325	400	340							0.06	4	0.086	
20	3.82			6.8	6.9	6.0			8.7									1419	5620	52	3.1	2860	2310	390	320										
21	3.69			6.7	6.8				8.8									1598	5660	58	3.6	2795	2280	380	310										
22	3.62	3	3	6.7	6.8				8.6			142		4	131		2	1536	5230	43	2.2	2670	2150	390	310							0.06	4	0.089	
23	3.81			6.8	6.9	12.0			9.2									1588	5590	55	3.6	2690	2220	380	310										
24	4.91			6.7	6.8				8.8									1524		51	3.4			370	310										
25	9.66			6.7	6.8				9.2			130		2	63		2	1598		50	3.6			380	300							0.06	4	0.074	
26	7.60			6.8	6.9	14.0			9.4			79		2	70		2	2672	3330	44	2.9	2815	2350	380	300							0.06	4	0.071	
27	7.46			6.9	6.9	14.0			9.2									2750	4020	46	2.7	2760	2280	380	300										
28	6.41			6.9	6.8				9.3										6110	50	3.1	2495	2105	350	300										
29	5.16	3	3															3059		55															
30	4.62			6.8	6.9				8.8									2762	5490	56	2.3	2640	2210	370	310										
31																																			
Tot.	143.21	15	15															64115																	
Avg.	4.77	3	3	6.8	6.9	10.6			9.0			123		3	102		2	2211	5287	50.48	3.195	2717	2228	374.4	310.4							0.72	5	0.075	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

45463

23809

23271

FLOW

CBOD

TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE