



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

November 15, 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-October 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 October 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 cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Cedar Creek 10.11.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

001 2
 DISCHARGE NUMBER

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

MONITORING PERIOD						
YEAR	MO	DAY	YEAR	MO	DAY	
FROM 11	10	01	TO 11	10	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	*****	*****	***	7.1	*****	*****	(19) MG/L	0	1/1	GR
PH	PERMIT MEASUREMENT	*****	*****	***	7.0 INST MIN	*****	*****	(19) MG/L		THREE/ WEEK	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	6.7	*****	8.4	(12) SU	0	1/1	GR
00530 G 0 0 RAW SEW/INFLUENT	PERMIT MEASUREMENT	*****	*****	***	6.0 MINIMUM	*****	9.0 MAXIMUM	(12) SU		THREE/ WEEK	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	2678	3434	(26) LBS/DY	*****	160	219	(19) MG/L	0	3/7	CP
00530 G 0 0 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	SAMPLE MEASUREMENT	33	35	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	CP
00530 1 0 0 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)	SAMPLE MEASUREMENT	388	441	(26) LBS/DY	*****	23.6	26.5	(19) MG/L	0	3/7	CP
00610 G 0 0 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)	SAMPLE MEASUREMENT	4	5	(26) LBS/DY	*****	0.2	0.3	(19) MG/L	0	3/7	CP
00610 1 1 0 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)	SAMPLE MEASUREMENT	2	3	(26) LBS/DY	*****	0.1	0.2	(19) MG/L	0	3/7	CP
00665 1 0 0 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			
H J SCHARDEIN EXECUTIVE DIRECTOR	502 540-6000		11 11 17 YEAR MO DAY								
TYPED OR PRINTED	NUMBER										
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA CODE					

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 2

DISCHARGE NUMBER

MAJOR
(SUBR LV)

F - FINAL

JEFFE

NEW EXPANSION
EFFLUENT

[] No Discharge

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
11	10	01		11	10	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			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2.30	5.54	(03) MGD	*****	*****	*****	***	0	CN	CN
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTIN UOUS	CONTIN
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	4	5	(13) 100ML	0	3/7	GR
	PERMIT MEASUREMENT	*****	*****	***	*****	200 30DA GEO	400 7 DA GEO	(13) 100ML		THREE/ WEEK	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	1916	2041	(26) LBS/DY	*****	115	129	(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
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	33	35	(26) LBS/DY	*****	2	2	(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
BOD, CARB 5-DAY, 20 DEG C, PERCENT REMVL 80091 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	98	*****	*****	(23) CENT	0	1/31	CA
	PERMIT MEASUREMENT	*****	*****	***	85 MO MIN	*****	*****	(23) CENT		ONCE/ MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENTREMOVAL	SAMPLE MEASUREMENT	*****	*****	***	99	*****	*****	(23) CENT	0	1/31	CA
	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 11 17			
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA CODE	NUMBER				

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: October 2011
 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			WASTE D	DISOLVED 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 x 1000	GAL/DAY x 1000					30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000						
1	2.35				6.9				8.0											24000	3.2			300	280													
2	2.27				7.2				8.3		190		2	130		2			55000	3.3			320	290								0.06	4	0.168				
3	2.06				6.7	4.0			8.1		104		2	84		2	1236	4920	62000	1.0	2820	2140	320	300							0.28	4	0.139					
4	1.86				6.7	7.0			8.2		90		2	87		2	1368	5740	61000	2.9	3120	2080	320	300							0.06	4	0.21					
5	1.88				6.8	6.0			8.3								1357	5710	58000	3.0	2610	1970	310	300														
6	1.80				6.7				7.9								1360	5410	59000	3.4	2680	2010	310	290														
7	1.81				6.8				7.7								1298	5560	55000	3.0	2560	1940	310	290														
8	1.84				7.7				8.1								1329		65000	3.2			300	290														
9	2.02				7.2				7.6		164		2	123		2	1300		55000	2.4			300	270							0.06	4	0.108					
10	1.88				7.0	16.0			7.6		116		2	114		2	1323	4730	50000	2.3	3320	2390	290	270							0.45	4	0.1					
11	1.88				7.1	12.0			7.8		168		2	136		2	1387	4590	60000	2.7	3060	2240	290	260							0.06	4	0.105					
12	1.82				7.2	8.0			7.8								1329	4480	55000	2.9	2450	2060	290	270														
13	2.22				6.8	15.0			7.8								1256	4655	55000	3.3	2380	1871	330	250														
14	2.29				6.7				7.9								1296	4690	40000		1910	1740	300	290														
15	2.14				6.7				7.9								1375	5490	41000	3.4	2640	2430	320	300														
16	2.14				6.9				7.7		160		2	107		2	1306		43000	3.1			330	300							0.34	4	0.1					
17	1.81				6.7	14.0			7.8		330		2	158		2	1377	5810	51000	2.6	2780	2460	310	250							0.39	4	0.1					
18	1.79				6.7	29.0			8.0		166		2	123		2	1377	4220	55000	2.8	2270	1880	270	260							0.28	4	0.1					
19	1.87				7.8	24.0			8.0								1308	4440	53000	2.8	3300	2700	250	280														
20	2.76				6.7				8.2								1303	5300	42000	3.2	2250	1790	320	290														
21	2.42				6.8				8.0								1293	5680	58000	2.8	2390	1880	300	300														
22	2.22				7.5				8.7								1273		74000	2.5			310	300														
23	2.39				6.9				8.4		220		2	123		2	1190		26000	3.7			300	290							0.17	10	0.138					
24	1.99				7.1	18.0			8.6		102		2	106		2	1240	4420	53000	2.2	2480	1960	300	260							0.39	4	0.1					
25	1.95				6.8	2.0			8.1		108		2	86		2	1317	3960	43000	2.4	2410	2020	270	270							0.22	4	0.124					
26	2.06				8.4	9.0			7.1								1314	4460	47000	2.6	2460	2040	290	270														
27	5.54				7.7				8.4								1265	9920	50000	3.7	2550	2060	290	260														
28	3.56				7.2				9.0								488	7070	54500	3.3	2200	1780	270	270														
29	3.14				7.6				8.0								730	7030	71000	2.9	2370	1980	300	260														
30	2.98				7.6				8.0								1675	6530	33000	3.4	2300	1900	320	270														
31	2.45				7.2				8.2								1718	5480	60000	3.0	2490	2050	300	280														
Tot.	71.20																37388																					
Avg.	2.30				7.1	12.6			8.0		160		2	115		2	1289.24	5429	51887	2.9	2575	2057	301.3	279.4							0.23	4	0.124					

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

21874
 FLOW

12930
 CBOD

14579
 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