



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)

December 15, 2011

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-November 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 November 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,

Duane V. Wright  
Process Supervisor Central Region

DVW/Cedar Creek 11.11.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
11	11	01		11	11	30

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				
3/7 THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	4.96	14.14	(03) MGD	*****	*****	*****	***	0	CN	CN	
	PERMIT MEASUREMENT	REPORT MO AVG	REPORT DAILY MX	(03) MGD	*****	*****	*****	***		CONTINUOUS	CONTIN	
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	***	*****	4	4	(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	2790	3788	(26) LBS/DY	*****	78	128	(19) MG/L	0	3/7	3/7	
	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	83	134	(26) LBS/DY	*****	2	2	(19) MG/L	0	3/7	3/7	
	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	*****	*****	***	97	*****	*****	(23) CENT	0	1/30	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	1/30	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	<i>Dennis Thommasson</i> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							502	540-6000	11	12	14
TYPED OR PRINTED								AREA CODE	NUMBER	YEAR	MO	DAY

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

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

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11	11	01		11	11	30

ATTN: DENNIS THOMMASSON SR. METRO OPS

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	*****	*****	***	8.4	*****	*****	(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	*****	7.7	(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	7128	11583	(26) LBS/DY	*****	195	321	(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	119	233	(26) LBS/DY	*****	3	4	(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	457	574	(26) LBS/DY	*****	13.8	19.3	(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	13	25	(26) LBS/DY	*****	0.3	0.4	(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	7	14	(26) LBS/DY	*****	0.2	0.2	(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	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	12	14
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO

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: November 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 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 COLIFORMS (COCONTS/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	2.29			6.8	6.9				8.6		67	2	42	2	1541.00	5000	63000				3010	2460	280	270							0.28	4	0.108			
2	2.23			7.1	7.3	2.0			8.9		88	2	51	2	1725.00	4710	44000				2550	2130	280	270							0.62	4	0.113			
3	2.92			6.8	7.2	4.0			8.8		232	2	111	2	1693.00	4460	52000				2190	1850	290	280							0.17	4	0.1			
4	3.97			6.7	7.1	8.0			8.6						1635.00	4920	45000				2310	1980	280	270												
5	3.40			6.8	7.2				8.8						1543.00	7610	42000				2320	1930	350	280												
6	3.10			6.7	7.0				9.1						1559.00		54000							350	290											
7	2.72			6.8	7.2				8.9						1409.00	5820	45000				2580	2040	330	290												
8	2.50			6.9	7.1				8.7		335	2	147	2	1640.00	5990	50000				2630	2230	320	300							0.28	4	0.134			
9	2.51			7.0	7.2	15.0			9.0		550	2	178	2	1512.00	5750	50000				2500	2100	300	280							0.11	4	0.137			
10	2.45			7.2	7.3	30.0			8.8		79	2	59	2	1487.00	5590	50000				3140	2560	280	270							0.22	4	0.156			
11	2.36			7.0	7.2	6.0			8.9						1379.00	6430	50000				2420	1970	330	280												
12	2.26			7.0	7.5				8.6						1367.00	6790	40000				2470	1980	380	280												
13	2.38			7.1	7.4				8.8						1396.00		42000							350	290											
14	2.10			7.0	7.4				8.4						1218.00	5910	52000				2700	2300	320	300												
15	6.07			7.0	7.2				8.6		216	6	80	2	1349.00	5520	48000				2640	2210	330	30							0.45	4	0.259			
16	9.11			7.1	7.2	10.0			9.0		79	4	36	2	2181.00	6570	48000				2480	2020	300	290							0.28	4	0.246			
17	5.55			7.1	7.4	18.0			8.8		385	2	99	2	3387.00	6060	47000				2210	1820	300	280							0.11	4	0.217			
18	4.04			7.2	7.5	26.0			9.4						3297.00	6210	65000				2990	2450	320	300												
19	3.55			7.1	7.3				9.0						3310.00		57000						310	300												
20	4.80			7.2	7.2				9.2						3383.00		48000						320	300												
21	6.71			7.2	7.3				9.4						3252.00	5900	58000				2520	2170	310	300												
22	9.98			7.1	7.4				9.5		178	3	66	2	3238.00	5740	75000				2480	2050	320	300							0.28	4	0.173			
23	7.72			7.1	7.2				9.7		57	2	44	2	2225.00	7450	51000				2410	1980	240	230							0.26	4	0.111			
24	5.26			6.9	7.7	15.0			9.8						2950.00	6370	51000				2850	2290	400	330												
25	4.13			7.1	7.4	20.0			9.6						4117.00		52000						370	310												
26	3.67			7.0	7.4				9.6						3366.00		55000						350	320												
27	6.36			7.0	7.2				9.0		68	2	25	2	2986.00		50000						320	300												
28	14.14			7.2	7.2	24.0			9.4						3177.00	6940	50000				2680	2150	320	300							0.62	4	0.121			
29	13.03			6.8	7.1				9.8						4711.00	6100	57000				1660	1440	200	190												
30	7.55			6.9	7.3				9.6						5522.00	6340	53000				1910	1560	230	180												
31																																				
Tot	148.84														73555																					
Avg.	4.96			7.0	7.3	14.8			9.1		195	3	78	2	2451.833	5999	51500				2506	2072	313	273.7							0.31	4	0.156			

RESIDENTIAL  
 COMMERCIAL  
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT  
 47252 FLOW  
 19028 CBOD  
 38324 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