



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

September 24, 2009

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
August 2009

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 August 2009.

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 0809.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)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved.
OMB No. 2040-0004

NAME CEDAR CREEK WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
1405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY CEDAR CREEK WQTC MSD
LOCATION LOUISVILLE KY
ATTN DENNIS THOMASSON, SR METRO OPS

KY0098540
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MAJOR
(SUBR LV)
7 - FINAL
NEW EXPANSION
EFFLUENT

JEFFE

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	08	01		07	08	31

FROM

TO

*** NO DISCHARGE 1 1 ***

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			
OXYGEN, DISSOLVED (DO)	*****	*****			8.0	*****	*****	(19)	0	03/07	GR
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	7.0 INST MIN	*****	*****	MG/L		FREE/CORAB WEEK	
PH	*****	*****			6.9	*****	*****	(12)	0	03/07	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	***	5.0 MINIMUM	*****	9.0 MAXIMUM	SD		FREE/CORAB WEEK	
SOLIDS, TOTAL SUSPENDED	*****	*****	(26)		*****	*****	*****	(19)	0	03/07	CP
00500 3 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		FREE/CORAB WEEK	
SOLIDS, TOTAL SUSPENDED	*****	*****	(26)		*****	*****	*****	(19)	0	03/07	CP
00500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1876 MO AVG	2815 MX WK AV	LBS/DY	*****	30 MO AVG	45 MX WK AV	MG/L		FREE/CORAB WEEK	
NITROGEN, AMMONIA TOTAL (AS N)	*****	*****	(26)		*****	*****	*****	(19)	0	03/07	CP
00610 3 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		FREE/CORAB WEEK	
NITROGEN, AMMONIA TOTAL (AS N)	*****	*****	(26)		*****	*****	*****	(19)	0	14/30	CD
00610 1 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	250 MO AVG	375 MX WK AV	LBS/DY	*****	4 MO AVG	6 MX WK AV	MG/L		FREE/CORAB WEEK	
PHOSPHORUS, TOTAL (AS P)	*****	*****	(26)		*****	*****	*****	(19)	0	03/07	CP
00665 1 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	63 MO AVG	94 MX WK AV	LBS/DY	*****	1.0 MO AVG	1.5 MX WK AV	MG/L		FREE/CORAB WEEK	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.				TELEPHONE		DATE				
H. J. SCHARDER, JR. EXECUTIVE DIRECTOR TYPED OR PRINTED											
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE NUMBER		YEAR MO DAY		
					Dennis Thomasson, Sr.		502 540 6000		09 09 23		

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME CEDAR CREEK WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 5405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY CEDAR CREEK WQTC MSD
 LOCATION LOUISVILLE KY
 ATTN: DENNIS THOMASSON, SR. METRO OPS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

KY0098540
 PERMIT NUMBER

001 2
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL
 NEW EXPANSION
 EFFLUENT
 *** NO DISCHARGE ***

JEFF

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	06	01		07	06	31

FROM

TO

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	4.47	10.72	(G3)	*****	*****	*****		0	EN	EN	
EFFLUENT GROSS VALUE	REPORT	REPORT		*****	*****	*****	***		CONTINUOUS		
COLIFORM, FECAL GENERAL	*****	*****		*****	5	5	(13)	0	03/07	CP	
EFFLUENT GROSS VALUE	*****	*****	***	*****	200	400	*/		FREE/COMPLIANCE		
BOD, CARBONACEOUS 05 DAY, 20C	3398	4660	(26)	*****	101	156	(19)	0	03/07	CP	
RAW SEW/INFLUENT	REPORT	REPORT		*****	REPORT	REPORT			FREE/COMPLIANCE		
BOD, CARBONACEOUS 05 DAY, 20C	129	176	(26)	*****	3	5	(19)	0	03/07	CP	
EFFLUENT GROSS VALUE	625	938		*****	10	15			FREE/COMPLIANCE		
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMVL	*****	*****		97	*****	*****	(25)	0	03/30	CA	
PERCENT REMOVAL	*****	*****	***	85	*****	*****	PER-CENT		LINEY/CALCULATED		
SOLIDS, SUSPENDED PERCENT REMOVAL	*****	*****		99	*****	*****	(25)	0	03/30	CA	
PERCENT REMOVAL	*****	*****	***	85	*****	*****	PER-CENT		LINEY/CALCULATED		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 H.J. SCHARDEIN, JR.
 EXECUTIVE DIRECTOR
 TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Dianne Wright
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
 502 540 6000 09 09 23
 AREA CODE NUMBER YEAR MO DAY

COMMENTS 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: August 2009
 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	GAL/DAY X 1000	MLSS X 1000	GAL/DAY X 1000	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)			
																								30 MIN.	80 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS			WITHDRAWN GALLONS X 1000		
1	4.46																		450				360	310											
2	4.78													345		4	102						400	320									0.06	4	
3	5.01			6.9	7.0	16.0							8.4		2	140			3	1680	6970	580	2.8	3420	2635	410	370						0.06	4	
4	10.72			7.0	7.1	18.0							8.6		2	24			3	1890	4840	500	3	3140	2500	390	320						0.06	4	
5	10.45			7.0	7.1	14.0							8.6						3	1910	4960	490	2.6	3020	2410	370	300						0.06	3	
6	6.84	3	3																	2060	5410	450	2.8	2620	2250	360	300								
7	6.51																			4353	7110	510	2.8	2885	2180	360	280								
8	5.74																					500	3.3			390	310								
9	4.48													189		8	107					480												11.30	10
10	2.94			7.0	6.9	10.0							8.1		2	39			3	2840	5620	330	2.9	2840	2140	350	250						0.56	4	
11	6.18			6.9	7.0	14.0							8.6		2	51			3	2210	4840	450	4.2	2875		350	260						0.06	4	
12	4.97			7.0	6.9	14.0							9.0							2046	3720	470	4.9	2930	2140	340	240								
13	4.28	3	3																	2260	4460	450		3200	2190	340	250						0.06		
14	4.68																			2481	5990	450	4.6	3385	2255	350	300						0.06		
15	4.59																					450	4.2			300	300							0.06	
16	3.79													336		2	174			3		510	4.2			340	300						0.06	4	
17	3.51			7.0	6.9	10.0							8.4		2	178			3	3115	5520	480	3.8	3115	2455	350	300						0.06	4	
18	3.38			7.0	7.0	8.0							8.0		2	116			3	3025	5060	510	2.4	3025	2350	340	300						0.06	4	
19	3.37			6.9	6.9	8.0							8.2							3260	5950	500	2.9	2985	2235	340	300								
20	3.43	3	3																	3172	4840	510	2.6	2885	2230	330	300								
21	3.39																			3291	5220	470		2820	2190	340	290								
22	3.47																			3410		470				360	300								
23	3.39													95		2	56			3	3380		470			360	300						0.06	4	
24	3.13			7.0	7.0	12.0							8.6		2	111			3	3460	5910	520	2.8	2940	2330	400	300						0.06	10	
25	2.96			6.7	6.9	10.0							8.2		2	108			3	1594	5420	520	3.2	2860	2230	440	300						0.50	4	
26	2.98			6.8	7.0	12.0							8.4							5250	480	2.6	2510	2280	420	300									
27	2.92	3	3																	3040	5040	520	3	2840		410	290								
28	2.90																			3150	4360	495	3.2	2640	1945	400	280								
29	3.10																			3020		410	3.2			410	280								
30	3.24																			3148		490				410	280								
31	2.88																			3240	4560	530	2.6	3180	2475	450	350								
Tot.	138.47	12	12																	68755															
Avg.	4.47	3	3	6.9	7.0	12.2							8.4		3	101			3	2750.2	5288	480.5	3.243	2958	2285	372.3	296						0.93	5	

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
42541
 FLOW

22023
 CBOD

31443
 TSS

Joseph Shaun Smith
 OPERATOR

17987
 CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0
 SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-239-7695
 PLANT TELEPHONE