



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

June 23, 2009

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

RE: Cedar Creek Treatment Plant, KPDES No: KY0098540
Discharge Monitoring Report
May 2009

Dear Ms. Bentley:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Cedar Creek Wastewater Treatment Plant, KPDES No.: KY0098540 for the month of May 2009.

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 0509.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)*

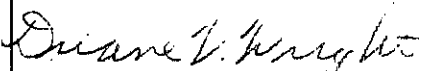
NAME MSD CEDAR CREEK STP
ADDRESS 270 CEDAR CREEK STP
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY MSD CEDAR CREEK STP
LOCATION LOUISVILLE KY
ATTN. DENNIS THOMASSON SR METRO OPS

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

KY00098540				001 2			
PERMIT NUMBER				DISCHARGE NUMBER			
MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
09	05	01		09	05	01	

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

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	SAMPLE MEASUREMENT	5.45	10.97	(03)	*****	*****	*****		17	CN	CN		
50050 3 0	PERMIT REQUIREMENT	REPORT MD AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		CONT INCONT IN	UDUS		
EFFLUENT GROSS VALUE		*****	*****		*****								
CULIFORM, FECAL GENERAL	SAMPLE MEASUREMENT				*****	5	8	(13)	0	03/17	CP		
74015 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	200	400	100ML		FREEZ COMPOS			
EFFLUENT GROSS VALUE		*****	*****	****	*****	30DA GEO	7 DA GEO			WEEK			
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	3178	3915	(26)	*****	6967 ^{DVW}	97	(19)	0	03/17	CP		
00057 5 0 0	PERMIT REQUIREMENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV	MG/L		FREEZ COMPOS			
RAW SEW/INFLUENT		*****	*****		*****					WEEK			
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	144	166	(26)	*****	3	3	(19)	0	03/17	CP		
00092 1 0 0	PERMIT REQUIREMENT	625	938		*****	10	15	MG/L		FREEZ COMPOS			
EFFLUENT GROSS VALUE		*****	*****		*****	MD AVG	MX WK AV			WEEK			
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	(23)	0	03/30	CA		
DEG C PERCENT REMVL	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****	PER-CENT		UNCEZ CALCTD			
00091 1 0 0		*****	*****	****	*****	*****	*****			MONTH			
PERCENT REMOVAL		*****	*****		*****	*****	*****	(23)	0	03/30	CA		
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	PER-CENT		UNCEZ CALCTD			
81011 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****			MONTH			
PERCENT REMOVAL		*****	*****	****	*****	*****	*****						
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
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.				 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE			
H. J. SCHARDEN, JR.								502 540-6000		09 06 26			
EXECUTIVE DIRECTOR		TYPED OR PRINTED		AREA CODE		NUMBER		YEAR		MO		DAY	

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

NAME M50 CEDAR CREEK STP
ADDRESS C/O CEDAR CREEK STP
6405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY M50 CEDAR CREEK STP
LOCATION LOUISVILLE KY
ATTN: DENNIS THOMASSEN SR METRO DPE

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

KY0098540
PERMIT NUMBER
0012
DISCHARGE NUMBER

MAJOR
SUSP. LV.
F - FINAL
NEW EXPANSION
EFFLUENT
*** NO DISCHARGE 1-1 ***

Form Approved.
OMB No. 2040-0004

MONITORING PERIOD						
FROM			TO			
YEAR	MO	DAY	YEAR	MO	DAY	
97	5	01	97	5	01	

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)	00300 0 0	*****	*****		8.2	*****	*****	197	0	03/17	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	INST MIN	*****	*****	MG/L		FREE/	GRAB
PH	00400 1 0 0	*****	*****		6.8	*****	7.1	127	0	03/17	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	MINIMUM	*****	MAXIMUM	6.0		FREE/	GRAB
SOLIDS, TOTAL SUSPENDED	00500 8 0 0	4751	6946	1 28	*****	105	123	197	0	03/17	CP
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT	REPORT	*****	REPORT	REPORT	REPORT	MG/L		FREE/	COMPOS
SOLIDS, TOTAL SUSPENDED	00500 1 0 0	124	197	1 28	*****	3	5	197	0	03/17	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1876	2815	*****	30	45	45	MG/L		FREE/	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	00610 1 0 0	679	789	1 28	*****	15	25	197	0	03/17	CP
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT	REPORT	*****	REPORT	REPORT	REPORT	MG/L		FREE/	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	00610 1 0 0	5	17	1 28	*****	0.2	0.3	197	0	03/17	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	250	375	*****	4	6	6	MG/L		FREE/	COMPOS
PHOSPHORUS, TOTAL (AS P)	00665 1 1 0	7	20	1 28	*****	0.2	0.7	197	0	03/17	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	63	94	*****	1.0	1.5	1.5	MG/L		FREE/	COMPOS
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. SCHARDEIN, JR						502 540 6100		17	06	26	
EXECUTIVE DIRECTOR		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE	NUMBER	YEAR	MO	DAY	
TYPED OR PRINTED											

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

NAME OF TREATMENT PLANT CEDAR CREEK WTPCOUNTY JEFFERSONMONTH OF: May 2009KPDES PERMIT NUMBER KY0098540PLANT CAPACITY 7.5 MGDRECEIVING 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	RETURN			WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME		GALLONS x 1000	RAW			HAULED			NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)
																		GAL/DAY x 1000	MLSS x1000	GAL/DAY x 1000					30 MIN.	60 MIN.		% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000			
1	5.08																	1717	4640	200		4.2	2000	1690	360	290									
2	7.50																	1625		203					40	350									
3	6.79										200		2	74			3	1582		200					360	280							0.06	4	
4	6.67			6.9	7.0	12.0			9.4		103		3	39			3	1684	5850	280	4.6	2270	1715	410	320								0.06	4	
5	5.53			7.0	6.9	8.0			9.4		82		2	48			3	1706	6160	220	5	2205	1745	450	350								0.06	4	
6	6.52			7.0	7.1	12.0			9.2									1566	5910	250	4.5	2275	1800	440	340										
7	7.67	3	3															1605	9510	250	4.8	2180	1805	350	300										
8	9.19																	1813		350	4.2														
9	10.97																	2199		400					450										
10	7.33										68		2	48			3	3875		400					430								0.73	4	
11	6.54			6.9	6.8	14.0			9.6		82		2	53			3	3988	5890	350	5.2	2195	1775	540	420								0.06	4	
12	5.98			7.0	6.9	14.0			9.4		90		2	57			3	3267	5460	350	5.2	2275	1855	480	390								0.06	4	
13	4.80			7.0	6.9	10.0			9.0									1803	5600	430	3.8	2550	1980	490	360										
14	5.87	3	3															1830	5810	480	3.9	2535	1930	450	340										
15	5.83																	1790	5380	480	4.2	2110	1665	480	360										
16	6.81																	1850		440					410	360									
17	5.54										123		2	96			3	1688		460					460	350							0.06	28	
18	4.89			7.0	7.1	10.0			9.4		108		2	126			3	1730	5230	540	3.6	2540	2015	550									0.06	4	
19	4.20			6.9	7.0	16.0			8.6		107		12	68			3	1905	4490	420	2.6	2650	2120	500	480								0.06	4	
20	4.01			7.0	7.1	14.0			9.4									1879	4580	560	5	2845	2285	600	450										
21	3.87	3	3															1904	5400	450	4.2	2650		540											
22	3.73																	1935	4920	420	4	2600	2090	480	390										
23	3.72																	1922		450				500	360										
24	3.77																	1847		400				470	370										
25	4.18			6.9	6.9	12.0			9.4		118		2	80			3			420	2.8				480	380							0.78	4	
26	3.72			7.0	7.0	10.0			8.2		81		2	37			6	1937		510	2.4				480	390							0.06	4	
27	3.66			6.9	7.1	12.0			8.8		123		2	76			3	1858		600	3.2	2630	2120	540	400								0.06	4	
28	3.84	3	3															1879		440	3.4	2510	2005	460	370										
29	3.85																	1850		480	3.8	2550	2045	450	370										
30	3.90																	1855		450				470											
31	3.69																	1425		500				450											
Tot.	168.83	12	12															58514																	
Avg.	5.45	3	3	7.0	7.0	12.0			9.2		105		3	67			3	1984	5655	600	4.029	2421	1920	451.7	366.7								0.17	5	

RESIDENTIAL
COMMERCIAL
INDUSTRIALINDUSTRIAL WASTE POPULATION EQUIVALENT
51888
FLOW17857
CBOD22800
TSSJoseph Smith
OPERATOR17987
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-239-7685

PLANT TELEPHONE