



**MSD**

*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)

May 23, 2007

Ms. Kathy Thurman  
Kentucky Division of Water  
14 Reilly Road  
Frankfort, Kentucky 40601

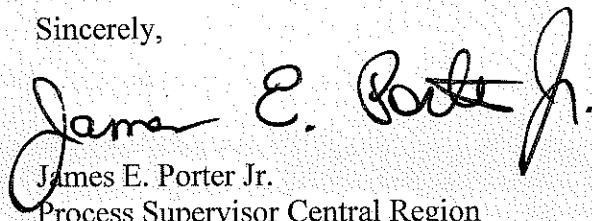
RE: Cedar Creek Treatment Plant, KPDES No: KY0098540  
Discharge Monitoring Report  
April 2007

Dear Ms. Thurman:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) report for the Cedar Creek Wastewater Treatment Plant, for the month of April 2007. Also, included is the 1<sup>st</sup> quarter bio-monitoring report.

If you have any questions concerning the attached DMR's, please contact me at (502)239-7695.

Sincerely,



James E. Porter Jr.  
Process Supervisor Central Region

JEP/Cedar Creek 0407.doc

Enclosures

cc: M. Mudd (DOW Louisville)  
P. Burgin  
E. Brady  
T. Singleton  
R. Shaw



*Beneficial Use of Louisville's Biosolids*  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

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

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

JEFF

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

NAME MSD CEDAR CREEK STP  
ADDRESS 1405 CEDAR CREEK RD  
LOUISVILLE KY 40291

PERMIT NUMBER KY0098540

DISCHARGE NUMBER 0012

FACILITY MSD CEDAR CREEK STP  
LOCATION LOUISVILLE KY  
ATTN: DEBBIE NEWTON

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY

FROM

TO

NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO)					9.4				0	3/1	GLIDE
00300 1 0 0 0 EFFLUENT GROSS VALUE					INST MIN			MG/L		WEEK	
PH					7.2		7.6		0	3/1	GLIDE
00400 1 0 0 0 EFFLUENT GROSS VALUE					MINIMUM		MAXIMUM	SU		WEEK	
SOLIDS, TOTAL SUSPENDED		4552.77	5341.91			160	225		0	3/1	COMB
00500 1 0 0 0 RAW SEW/INFLUENT		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV	MG/L		WEEK	
SOLIDS, TOTAL SUSPENDED		33.76	56.16			1	1		0	3/1	COMB
00500 1 0 0 0 EFFLUENT GROSS VALUE		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV	MG/L		WEEK	
NITROGEN, AMMONIA TOTAL (AS N)		416.26	492.00			13.4	16.5		0	3/1	COMB
00610 1 0 0 0 RAW SEW/INFLUENT		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV	MG/L		WEEK	
NITROGEN, AMMONIA TOTAL (AS N)		3.36	5.62			0.10	0.10		0	3/1	COMB
00610 1 2 0 0 EFFLUENT GROSS VALUE		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV	MG/L		WEEK	
PHOSPHORUS, TOTAL (AS P)		14.05	50.89			0.40	0.77		0	3/1	COMB
00645 1 2 0 0 EFFLUENT GROSS VALUE		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV	MG/L		WEEK	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
H. J. SCHMIDEN 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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
James E. P...  
AREA CODE NUMBER YEAR MO DAY

TELEPHONE DATE  
502 540 6000 07 05 22

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

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

MAJOR  
(SUBR LV)  
F - FINAL  
NEW EXPANSION  
EFFLUENT  
\*\*\* NO DISCHARGE I [ ] \*\*\*

JEFFE

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

NAME MSD CEDAR CREEK STP  
ADDRESS 8405 CEDAR CREEK RD  
LOUISVILLE KY 40291

RY0098540  
PERMIT NUMBER

001 2  
DISCHARGE NUMBER

FACILITY MSD CEDAR CREEK STP  
LOCATION LOUISVILLE KY  
ATTN: DEBBIE NEWTON

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY
07	04	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			
FLOW IN CONDUIT OR THRU TREATMENT PLANT	4.28	9.47								2/N	C/H
EFFLUENT GROSS VALUE	MD AVG	DAILY MX	MGD							WEEK	
CALIFORM FECAE GENERAL	3	4								3/1	Comb
EFFLUENT GROSS VALUE	MD AVG	MX WK AV	LBS/DY							WEEK	
BOD, CARBONACEOUS 5 DAY, 20C	3526.98	4457.34								3/1	Comb
RAW SEW/INFLUENT	MD AVG	MX WK AV	LBS/DY							WEEK	
BOD, CARBONACEOUS 5 DAY, 20C	66.71	112.31								3/1	Comb
EFFLUENT GROSS VALUE	MD AVG	MX WK AV	LBS/DY							WEEK	
BOD, CARBONACEOUS 5 DAY, 20C	97.3									1/31	Core
PERCENT REMOVAL	MD MIN									MONTH	
SOLIDS, SUSPENDED	99.2									1/31	Core
PERCENT REMOVAL	MD MIN									MONTH	
										2/N	FLD

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
H. J. SANDERSON 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.

*James E. Bostick*  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 502 540-6000  
DATE: 07 05 22  
AREA CODE NUMBER YEAR MO DAY

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

NAME OF TREATMENT PLANT CEDAR CREEK WTP

COUNTY JEFFERSON

MONTH OF: April 2007

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	GAL/DAY X 1000	MLSS X 1000	WASTED	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.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS			% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000			
1	4.28										161		1	scratched	scratched	1832		470			2.4	2850	2385	480	350							0.10	7			
2	3.45	3	3	7.3	7.4			10.0			195		1	157		2	1762	5840	500	2.4	2850	2385	490	370									0.10	3		
3	2.77			7.4	7.3			9.8			132		1	88		2	1731	5470	470	3	2805	2300	470	350									0.10	3		
4	2.86			7.5	7.4			10.2									1707	4290	300	2.6	2090	1725	320	270												
5	2.42																2925	6010	470	3	3055	2505	540	400												
6	7.54																3763	5820	400	4	2820	2390	500	380												
7	3.86																2301		450	3.8			520	400												
8	3.40										83		1	59		2	1804		450	4.6			510	410									0.10	3		
9	2.83	3	3	7.4	7.4			10.8			274		1	154		2	1791	4970	510	3.8	2875	2330	550	400									0.10	3		
10	2.67			7.5	7.4			10.4			191		1	142		2	1798	5040	500	2.6	2775	2280	510	400									0.10	3		
11	2.89			7.3	7.3			10.4									1817	4700	610	3.4	2920	2445	550	420												
12	5.81																1725	4960	550	3.2	2800	2355	510	400												
13	9.47																1569	5300	550	3.2	2725	2225	500	400												
14	8.04																1774		551				500	400												
15	8.22										58		1	53		2	2769		556				550	450									0.10	3		
16	8.59	3	3	7.4	7.6			10.4			66		1	59		2	3695	6010	460	3.2	2745	2220	460	380									0.10	3		
17	3.39			7.5	7.4			10.0			80		1	90		2	2624	5480	550	2.8	2660	2150	440	360									0.10	3		
18	3.52			7.4	7.5			10.4									1671	7110	547	3.5	2700	2220	460	350												
19	2.92																161	6060	460	3.2	2605	2170	440	350												
20	3.43																1699	5070	450	3.2	2570	2160	430	360												
21	3.05																1672		420				440	350												
22	2.98										147		1	112		2	1603		480				430	340									0.10	3		
23	2.72	3	3	7.5	7.4			9.6			255		1	160		2	1568	6300	520	2.5	2685	2320	440	350									0.10	3		
24	2.98			7.4	7.3			9.4			272		1	280		2	1684	5380	530	2.6	2770	2315	430	340									0.10	3		
25	3.13			7.4	7.5			9.8									1662	4810	450	2.8	2700	2275	430	350												
26	6.22																1704	4980	460	3.2	2585	2160	380	340												
27	3.97																1806	7610	460	3	2300	2040	370	350												
28	4.47																1694		450				380	340												
29	3.50																1675		450				400	300												
30	2.91	3	3														1632	5770	450	1.6	2640	2240	400	300												
31																																				
Tot.	####	15	15														57618																		0.10	3
Avg.	4.28	3	3	7.4	7.4			10.1			160		1	123		2	1921	5570	482.5	3.096	2699	2248	461	365.3												

RESIDENTIAL  
COMMERCIAL  
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

40727                      25823                      27088  
FLOW                      CBOD                      TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE