



MSD

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

January 28, 2008

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

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

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 1207.doc

Enclosures

cc: C. Roth (DOW Louisville)
P. Burgin
E. Brady
T. Singleton
R. Shaw



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com

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

NAME HSD CEDAR CREEK STP
 ADDRESS 8403 CEDAR CREEK RD
 LOUISVILLE KY 40291

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

KY0098540 PERMIT NUMBER
 0012 DISCHARGE NUMBER

MAJOR (SUDR LV)
 F - FINAL

JEFFE

FACILITY HSD CEDAR CREEK STP
 LOCATION LOUISVILLE KY
 WITH DENNIS THOMASSON

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	12	01		07	12	31

NEW EXPANSION
 EFFLUENT

*** NO DISCHARGE ***

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			
XYCEN, DISSOLVED (00)		*****	*****		8.4	*****	*****	(19)		3/1	GRAB
00500 1 0 0	PERMIT REQUIREMENT	*****	*****	****	7.0	*****	*****	MG/L		FREE/GRAB	WEEK
EFFLUENT GROSS VALUE		*****	*****		7.1	*****	7.4	(12)		3/1	GRAB
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	5.0	*****	9.0	MINIMUM		FREE/GRAB	WEEK
EFFLUENT GROSS VALUE		*****	*****		*****	1.07	13.6	(19)		3/1	COMB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	4767.53	6309.38	(26)	*****	REPORT	REPORT	MG/L		FREE/COMPOS	WEEK
00500 3 0 0	PERMIT REQUIREMENT	REPORT	REPORT	****	*****	REPORT	REPORT	MG/L		FREE/COMPOS	WEEK
RAW SEW/INFLUENT		MO AVG	MX WK AV	LB/DY	*****	MO AVG	MX WK AV	MG/L		3/1	COMB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	64.41	120.15	(26)	*****	1.00	2.00	(19)		3/1	COMB
00500 1 0 0	PERMIT REQUIREMENT	1876	2815	****	*****	30	45	MG/L		FREE/COMPOS	WEEK
EFFLUENT GROSS VALUE		MO AVG	MX WK AV	LB/DY	*****	MO AVG	MX WK AV	MG/L		3/1	COMB
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	449.82	628.81	(26)	*****	10.60	14.10	(19)		3/1	COMB
00500 3 0 0	PERMIT REQUIREMENT	REPORT	REPORT	****	*****	REPORT	REPORT	MG/L		FREE/COMPOS	WEEK
RAW SEW/INFLUENT		MO AVG	MX WK AV	LB/DY	*****	MO AVG	MX WK AV	MG/L		3/1	COMB
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	5.89	6.48	(26)	*****	0.14	0.22	(19)		3/1	COMB
00500 1 0 0	PERMIT REQUIREMENT	625	938	****	*****	10	15	MG/L		FREE/COMPOS	WEEK
EFFLUENT GROSS VALUE		MO AVG	MX WK AV	LB/DY	*****	MO AVG	MX WK AV	MG/L		3/1	COMB
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	47.54	77.78	(26)	*****	1.03	1.67	(19)		3/1	COMB
00500 1 0 0	PERMIT REQUIREMENT	125	188	****	*****	2.0	3.0	MG/L		FREE/COMPOS	WEEK
EFFLUENT GROSS VALUE		MO AVG	MX WK AV	LB/DY	*****	MO AVG	MX WK AV	MG/L		3/1	COMB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 H. J. SCHROEDER 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. ...
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
	502 540-6000	08	01	24

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

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

NAME HSD CEDAR CREEK STP
ADDRESS 2405 CEDAR CREEK RD
LOUISVILLE KY 40291

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

KY0098540
PERMIT NUMBER
0012
DISCHARGE NUMBER

MAJOR
(SUBR LV)
F - FINAL
NEW EXPANSION
EFFLUENT

JEFFE

FACILITY HSD CEDAR CREEK STP
LOCATION LOUISVILLE KY

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	12	01		07	12	31

*** NO DISCHARGE [] ***

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			
TURB IN CONDUIT OR THRU TREATMENT PLANT 1000 1 0 0 EFFLUENT GROSS VALUE	5.87	15.18	(03)	*****	*****	*****		0	2/N	2/N	
	PERMIT REQUIREMENT	REPORT	REPORT	*****	*****	*****	***		CONTINUOUS	CONTINUOUS	
UNIFORM, FINAL GENERAL 1000 1 0 0 EFFLUENT GROSS VALUE	*****	*****	(13)	*****	3.00	3.00		0	3/7	COMB	
	PERMIT REQUIREMENT	*****	*****	*****	200	400	100ML		THREE/COMPOS	WEEK	
TOD, CARBONACEOUS 05 DAY, 200 1000 9 0 0 RAW SEW/INFLUENT	3695.00	4413.17	(26)	*****	82.00	107.00		0	3/7	COMB	
	PERMIT REQUIREMENT	REPORT	REPORT	*****	REPORT	REPORT	MG/L		THREE/COMPOS	WEEK	
TOD, CARBONACEOUS 05 DAY, 200 1000 1 0 0 EFFLUENT GROSS VALUE	115.91	186.16	(26)	*****	2.00	3.00		0	3/7	COMB	
	PERMIT REQUIREMENT	825	938	*****	10	15	MG/L		THREE/COMPOS	WEEK	
TOD, CARB-5 DAY, 20 DEC C, PERCENT REMVL 1000 1 0 0 PERCENT REMOVAL	93.00		(23)	*****	*****	*****		0	1/31	CPIC	
	PERMIT REQUIREMENT	*****	*****	*****	5	*****	PERCENT		ONCE/ CALCTD	MONTH	
TOD, CARB-5 DAY, 20 DEC C, PERCENT REMVL 1000 1 0 0 PERCENT REMOVAL	97.4		(23)	*****	*****	*****		0	1/31	CPIC	
	PERMIT REQUIREMENT	*****	*****	*****	5	*****	PERCENT		ONCE/ CALCTD	MONTH	
SAMPLE MEASUREMENT											
PERMIT REQUIREMENT											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H. J. SCHROEDER 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. Porter Jr.
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
502 540 6000 08 01 24
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: December 2007
 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	WASTED 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.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS			% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000	
1	3.20																3260		450				420	390								0.10	3	
2	3.43													122		2	134		2	3620		534		400	380							0.10	3	
3	8.82			7.2	7.2	12.0							8.8		1	92		2	3890	5960	450	3.6	2690	2165	410	390						0.10	3	
4	5.97			7.1	7.3	16.0							9.0		1	53		2	4020	6080	500	4	2660		500	350						0.10	3	
5	3.11			7.2	7.2	14.0							9.2						3660	5610	500	3.4	2580		460	330								
6	3.10	3	3																3399	5320	520	3.7	2800	1060	410	340								
7	3.53																		1878	5430	520	3.6	4110	3440	350	320								
8	9.02																		1909		418				360	330								
9	8.10													108		2	104		2	1844		515		350	320							0.10	3	
10	7.76			7.1	7.1	20.0							9.4		2	34		2	2068	9090	460	3.9	2040	1610	350	280						0.10	3	
11	5.75			7.3	7.3	12.0							9.4		2	47		2	3507	6920	500	3.8	2385	2060	360	290						0.10	3	
12	7.76			7.2	7.1	16.0							9.0						3991	6700	550	4.4	2450	2050	450	320								
13	8.74	3	3																3841		450	5			420	300								
14	5.35																		3677	6080	480	4.6	2425	2040	420	320								
15	15.18																		3916		490	4.8			400	300								
16	7.16													78		1	91		6	3955		374		340	250						0.10	3		
17	7.95			7.3	7.4	16.0							9.8		1	52		2	5795	5550	450	5.2	2580	2060	500	300						0.17	3	
18	3.44			7.2	7.2	12.0							9.8						4540	8390	450	4.4	2695	2140	500	300								
19	2.62			7.1	7.1	8.0							10.0		1	61		2	3353	6120	450	4.5	2580		480	300						0.10	3	
20	3.80	3	3																3714		450	4.6	2510	2110	470	310								
21	7.52																		3501	6180	500	4.8	2405	1915	450	300								
22	7.52																		3557		530				480	340								
23	10.79																		3501		510				430	350								
24	3.46																		3704		563				500	380								
25	3.28													120		1	144		2	3544		515		450	360						0.45	3		
26	2.49			7.3	7.2	12.0							9.0		1	58		2	3475	5990	540	2.8	2660	2185	450	350						0.10	3	
27	4.31	3	3	7.2	7.4	14.0							9.2		1	119		2	3655	5260	450	3.6	2590	2120	460	350						0.10	1	
28	3.10			7.1	7.4	12.0							9.6						3855		500	3.9	2550	2080	460	360								
29	2.67																		3677		460				450	350								
30	3.12																		3704		450				460	350								
31	9.92																		3604	6840	540	4.4	2665		600	450								
Tot.	####	12	12																1E+05														0.14	3
Avg.	5.87	3	3	7.2	7.2	13.7							9.4		107		1	82	2	3536	6345	486.1	4.15	2632	2074	436.8	334.2							

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 55911 FLOW
 23732 CBOD
 24830 TSS

OPERATOR

CERT. NO.

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

PLANT TELEPHONE



Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES # KY0089540 (Cont'd)	Facility ID MSD0289	Treatment Plant Name CEDAR CREEK	Receiving Stream of Treatment Plant CEDAR CREEK	Region CENT
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Facility Type SLS Sewer Lift Station	Facility ID MSD0161-LS	Facility Address 9017 BRANDYWYNE DR	If Pump Station, Name of Pump Station: HOLLY OAKS	Receiving Stream FERN CREEK	Discharge to DITCH
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Stat</u>	<u>Event Date</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	726427	12/02/07 10:00 PM	SINGLETON	PORTER JR	D	02/15/01	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/02/07 10:30 PM

Spot Inspections:

Discharge Amount:	1,000 GAL
Cause:	STORM FLOW
Clean Up:	AREA RAKED AND DEBRIS WAS HAULED
Control Zone:	CONES WERE PLACED
Impact:	DISCOLORATION IN STREAM
Repair:	HAULING STATION TO PREVENT FURTHER DISCHARGE

Notifications:

12/03/07 06:50 AM	Cones were placed
12/03/07 12:59 AM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov