



MSD

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

February 25, 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
January 2008

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 January 2008. 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 0108.doc

Enclosures

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



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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)MAJOR
(SUBR LV)
F - FINAL

JEFFE

NEW EXPANSION
EFFLUENT

*** NO DISCHARGE 1 1 ***

NOTE: Read instructions before completing this form.

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

NAME NSD CEDAR CREEK STP
ADDRESS C/O CEDAR CREEK STP
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY NSD CEDAR CREEK STP
LOCATION LOUISVILLE KY
ATTN: DENNIS THOMASSON, SR METRO OPSKY0098540
PERMIT NUMBER001 2
DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR MO DAY TO YEAR MO DAY
08 01 01 08 01 31

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)		*****	*****		8.9	*****	*****	(19)		3/17	GRAB
00300 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	INST MIN	*****	*****	MG/L		FREE/GRAB	WEEK
EFFLUENT GROSS VALUE											
PH		*****	*****		7.0	*****	7.4	(12)		3/17	GRAB
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	MINIMUM	*****	MAXIMUM	50		FREE/GRAB	WEEK
EFFLUENT GROSS VALUE											
SOLIDS, TOTAL SUSPENDED		4095.93	6719.45	(26)	*****	117	153	(19)		3/17	GRAB
00500 0 0 0	PERMIT REQUIREMENT	REPORT	REPORT	*****	REPORT	REPORT	REPORT	MG/L		FREE/GRAB	WEEK
RAW SEW/INFLUENT		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV				
SOLIDS, TOTAL SUSPENDED		63.86	68.21	(26)	*****	2.00	2.00	(19)		3/17	GRAB
00600 1 0 0	PERMIT REQUIREMENT	1875	2815	*****	30	45	45	MG/L		FREE/GRAB	WEEK
EFFLUENT GROSS VALUE		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV				
NITROGEN, AMMONIA TOTAL (AS N)		501.26	744.58	(26)	*****	14.3	17.9	(19)		3/17	GRAB
00610 0 0 0	PERMIT REQUIREMENT	REPORT	REPORT	*****	REPORT	REPORT	REPORT	MG/L		FREE/GRAB	WEEK
RAW SEW/INFLUENT		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV				
NITROGEN, AMMONIA TOTAL (AS N)		1.91	2.32	(26)	*****	0.06	0.06	(19)		3/17	GRAB
00610 1 2 0	PERMIT REQUIREMENT	825	935	*****	10	15	15	MG/L		FREE/GRAB	WEEK
EFFLUENT GROSS VALUE		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV				
PHOSPHORUS, TOTAL (AS P)		24.24	45.22	(26)	*****	0.76	1.41	(19)		3/17	GRAB
00665 1 2 0	PERMIT REQUIREMENT	125	188	*****	2.0	3.0	3.0	MG/L		FREE/GRAB	WEEK
EFFLUENT GROSS VALUE		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV				
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. SCHROEDIN JR						504-600-6000		08 02 25			
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE		NUMBER			

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

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

NAME MSD CEDAR CREEK STP
ADDRESS C/O 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)

KY0098540
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MAJOR (SUVR LV)
F - FINAL
NEW EXPANSION
EFFLUENT
*** NO DISCHARGE 1 1 ***

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

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 DR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	3.98	7.47	(03)	*****	*****	*****			9/10	9/10
80050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		CONTINUOUS	IN
EFFLUENT GROSS VALUE		MD AVG	DAILY MX	MGD				****		UDUS	
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****		*****	3.00	3.00	(13)		3/1	Comp
74055 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	200	400	*/		FREE/COMPOS	
EFFLUENT GROSS VALUE				****		30DA GED	7 DA GED	100ML		WEEK	
BOD, CARBONACEOUS 5 DAY, 20C	SAMPLE MEASUREMENT	3221.32	5566.78	(26)	*****	92	131	(19)		3/1	Comp
80082 5 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT			FREE/COMPOS	
RAW SEW/INFLUENT		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV	MG/L		WEEK	
BOD, CARBONACEOUS 5 DAY, 20C	SAMPLE MEASUREMENT	104.04	126.60	(26)	*****	3.00	3.00	(19)		3/1	Comp
80082 1 0 0	PERMIT REQUIREMENT	625	938		*****	10	15			FREE/COMPOS	
EFFLUENT GROSS VALUE		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV	MG/L		WEEK	
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMVL	SAMPLE MEASUREMENT	*****	*****		93.5	*****	*****	(23)		1/31	CXC
80091 K 0 0	PERMIT REQUIREMENT	*****	*****	****	MD MIN	*****	*****	PER-CENT		ONCE/ MONTH	CALC'D
PERCENT REMOVAL				****							
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		93.3	*****	*****	(23)		1/31	CXC
81011 K 0 0	PERMIT REQUIREMENT	*****	*****	****	MD MIN	*****	*****	PER-CENT		ONCE/ MONTH	CALC'D
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.	TELEPHONE	DATE
H. J. SCHROEDER JR. By B. J. T. V. Director TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	502 540 6000 AREA CODE NUMBER

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

NAME OF TREATMENT PLANT CEDAR CREEK WTPCOUNTY JEFFERSONMONTH OF: January 2008KPDES 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	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	
																		GAL/DAY x 1000	MLSS x1000	GAL/DAY x 1000					30 MIN.	60 MIN.									
1	3.96										178		1	179		3	2345		500					550	360								0.06	3	
2	3.75			7.1	7.2	12.0			9.9		104		2	84		3	1772	2610	500	3.8	2610	2190	500	370								0.06	3		
3	7.47			7.2	7.2	10.0			9.8		177		2	131		3	1670	2600	490	3.6	2600	2210	520	370								0.06	3		
4	6.20			7.1	7.3	12.0			9.9								1679	2385	498	3.8	2385	2206	600	420											
5	4.11																1696		490				580	450											
6	3.97	3	3														1755		554				500	420											
7	4.86																1754	2900	650	3.2	2900	2480	650	450											
8	3.51										126		2	90		3	1615	2620	500	3.6	2620	2225	580	400								0.06	3		
9	4.87			7.2	7.4	10.0			9.4		98		2	46		3	1655	2570	540	3.4	2570	2185	550	400								0.06	3		
10	2.90			7.1	7.1	10.0			9.6		98		4	60		3	1660	2405	510		2405		500	350								0.06	3		
11	2.96			7.2	7.1	8.0			9.4								2044		520				480	350											
12	2.84																3754		485	3.2			510	340											
13	2.54	3	3														3682		490				500	360											
14	2.60																3876	2780	490	3.6	2780	2450	540	350											
15	2.65										76		2	70		3	3766	2470	502	3.4	2470	2095	600	400								0.06	3		
16	5.14			7.1	7.1	6.0			9.4		58		2	60		3	2377	2090	450	3.6	2090	2390	410	350								0.06	3		
17	4.39			7.2	7.1	10.0			9.6		30		2	51		3	1671	2315	460	3.3	2315	1950	450	400								0.06	3		
18	3.71			7.3	7.4	6.0			9.2								1620	2275	100	3.4	2275		480	380											
19	2.13																1448		0				100	95											
20	3.87	3	3														3200		0				200	160											
21	3.98																4091		420				240	180											
22	3.40										204		2	148		3	3783	1820	300	3.9	1820		230	200								0.06	3		
23	3.41			7.0	7.0	17.0			9.3		112		2	92		3	3397	1765	310	3.7	1765	1515	270	220								0.06	3		
24	3.45			7.1	7.0	10.0			9.2		142		2	91		3	2989	1785	325	3.6	1785	1695	300	250								0.06	3		
25	3.31			7.1	7.1	7.0			9.4								3273	1795	350	4.6	1795	1490	350	300											
26	3.20																3139		325				360	280											
27	3.39	3	3														3010		333				370	300											
28	3.07																2891	2840	416	3	2840	2230	350	300											
29	5.82																2954	2960	434	3.8	2960	2800	400	310											
30	5.40																2870	2780	453	4.8	2780	2345	370	300											
31	5.44																2700	3360	475	3	3360	2650	400	350											
Tot.	####	12	12														80136																		
Avg.	3.95	3	3	7.1	7.2	9.8			9.5		117		2	92		3	2585	2456	415.2	3.615	2456	2183	433.5	328.5									0.06	3	

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

37573

17774

18318

FLOW

CBOD

TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE