MSD

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

July 24, 2008

Charlie Roth
Louisville Regional Office (KDOW)
9116 Leesgate Road
Louisville, KY 40222-5084

RE: Cedar Creek Treatment Plant, KPDES No: KY0098540
Discharge Monitoring Report
June 2008

Dear Mr. Roth:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR), for the Cedar Creek WTP, KPDES No.: KY0098540 for the month of June 2008. Also attached are the Discharge Reports for June 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 0608.doc

Enclosures

cc: K. Thurman (KDOW)
T. Singleton
R. Shaw

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME MSD CEDAR CREEK STP
ADDRESS C/O CEDAR CREEK STP
9405 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

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	06	06	01	TO	06	06	30

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

JEFFE

Form Approved.
OMB No. 2040-0004

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	*******	*******		8.1	*******	*******	(19)	0	3/7	GRAB
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** ****	****	7.0 INST MIN	******	******	MG/L		THREE/WEEK	GRAB
PH	SAMPLE MEASUREMENT	*******	*******		6.9	*******	7.4	(12)	0	3/7	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** ****	****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		THREE/WEEK	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	5274	8178	(26)	*******	199	295	(19)	0	3/7	COMPOS
00530 0 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		THREE/WEEK	COMPOS
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	51,90	59,16	(26)	*******	2,00	2,00	(19)	0	3/7	COMPOS
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		THREE/WEEK	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	452,87	556,51	(26)	*******	17,2	21,4	(19)	0	3/7	COMPOS
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		THREE/WEEK	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	21,00	48,71	(26)	*******	0,69	1,50	(19)	0	3/7	COMPOS
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		THREE/WEEK	COMPOS
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	3,00	7,78	(26)	*******	0,12	0,28	(19)	0	3/7	COMPOS
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		THREE/WEEK	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
H.J. SCHROBILGEN JR.	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.					
EXECUTIVE DIRECTOR	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED		502	540-6000	08	07	22

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)

Form Approved.
OMB No. 2040-0004

KY0098540	001 2
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	08	08	01	TO	08	08	30

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

JEFFE

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	3.15	8.30	(03)	*******	*******	*******		0	C/W	C/W
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*******	*******	******* ****	****		CONTINUOUS	CONTIN
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*******	*******		*******	5.00	18.00	(13)	0	3/7	
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*******	******* ****	****	*******	200 30DA GEO	400 */ 7 DA GEO	100ML		THREE/WEEK	COMPOS
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	2867	4209	(26)	*******	107	155	(19)	0	3/7	
80082 0 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		THREE/WEEK	COMPOS
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	77.95	97.24	(26)	*******	3.00	3.00	(19)	0	3/7	
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	625 MO AVG	938 MX WK AV	LBS/DY	******	10 MO AVG	15 MX WK AV	MG/L		THREE/WEEK	COMPOS
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMVL	SAMPLE MEASUREMENT	*******	*******		93.5	*******	*******	(23)	0	1/30	CALCTD
81001 M 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	*******	******* ****	****	85 MO MIN	*******	****** PER-	CENT		ONCE/MONTH	
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	*******	*******		97.8	*******	*******	(23)	0	1/30	
81011 M 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	*******	******* ****	****	85 MO MIN	*******	****** PER-	CENT		ONCE/MONTH	CALCTD
	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. Ford Jr.
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
502	540-6000	08	09	26

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

NAME OF TREATMENT PLANT CEDAR CREEK WTP COUNTY JEFFERSON MONTH OF: June 2008

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	RETURN GAL/DAY X 1000	RETURN MLSS x1000	WASTED GAL/DAY X 1000	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME 30 MIN.	SETTLED SLUDGE VOLUME 60 MIN.	RAW GALLONS X 1000	RAW % DRY SOLIDS	RAW % VOLATILE SOLIDS	HAULED % DRY SOLIDS	HAULED % VOLATILE SOLIDS	HAULED WITHDRAWN GALLONS X 1000	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)
1	3.40											147		2	120		3	6358		600	4.4			360	310							0.06	3
2	3.16			6.9	7.1	12.0				9.2		139		2	73		3	3304	5650	625	4.8	3815	2775	350	300							0.06	3
3	3.90			7.0	7.0	10.0				9.0		91		2	62		3	3268	7590	645	4.9	3543	2710	340	300							4.40	975
4	3.98			7.0	7.0	12.0				9.2								3210	6020	615	4.8	3415	2335	340	310								
5	2.70	3	3															3276	5280	675	1.9	3710	2575	350	300								
6	2.88																	3262	4240	645	1.8	2985	2530	340	300								3
7	3.07																	3270		610	2.82			320	300								
8	3.75											459		2	212		3	3097		580	3			310	300							1.90	3
9	2.97			7.0	7.0	14.0				8.4		302		2	168		3	2608	6070	700	2.6	3510	2470	370	310							1.50	3
10	2.59			6.9	6.9	12.0				8.8		125		2	85		3	3171	5810	570	2.8	3285	2365	340	300							0.06	3
11	2.97			7.0	7.1	14.0				8.2								3402	5120	450	1.8	3700	2665	350	310								
12	2.56	3	3															2397	5280	600		3555	2560	350	300								
13	2.91																	1619	5990	510	1.8	3015	2415	340	300								
14	3.27																	1464		523	2.3			360	310								
15	3.85											160		2	100		3	1438		544	2.4			370	310							0.06	3
16	2.19			7.0	7.0	12.0				8.2		192		2	82		3	1440	5870	600	2.6	3630	2475	380	350							0.06	3
17	2.74			7.0	7.0	10.0				8.8		136		2	79		3	1332	5260	550	5.4	3395	2435	380	330							0.06	3
18	3.87			7.0	7.1	10.0				8.8								1460	7830	500	5.6	3275	2335	340	300								
19	2.72	3	3															1457	6630	527		3660	2665	340	300								
20	3.38																	1490	6740	535	5.8	3580	2560	330	300								
21	3.23																	1440		502	5.2			340	310								
22	3.35											330		2	148		3	1399		500	5.9			350	310							0.06	3
23	2.76			7.1	7.2	14.0				8.8		98		2	46		3	1416	6940	470	5.6	3625		350	300							0.06	3
24	2.68			6.8	7.1	10.0				9.2		212		2	122		3	1421	7750	450	5.8	3135	2270	350	280							0.06	3
25	2.60			6.9	7.0	14.0				8.6								1548	7510	500	5.4	3165	2215	340	290								
26	3.87	3	3															1486	7610	465	5.8	3215	2300	350	290								
27	2.88																	1471	7540	531	5.8	4090	3030	280	260								
28	3.42																	1473		554				250	240								
29	3.60																	1438		483				250	250								
30	3.24																	1414	4640	450	5.4	2820	2165	300	280								
31																																	
Tot.	94.49	12	12															66829															
Avg.	3.15	3	3	7.0	7.0	12.0				8.8		199		2	108		3	2228	6256	550.3	4.093	3434	2493	337.3	298.3							0.69	5

RESIDENTIAL

COMMERCIAL

INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

FLOW	CBOD	TSS
29997	16701	24924

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS 0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE

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

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0098540	MSD0289	CEDAR CREEK	CEDAR CREEK	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28671	5508 OAK CREEK LN		CEDAR CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed
DISDW: DRY WEATHER DISCHARGE	796239	06/19/08 05:55 PM	KIMBROUGH	KIMBROUGH	REPAIRED - ISSUE RESOLVED	06/19/08	ROOTS	DISCHARGE TO WATERS OF THE US	06/19/08 07:35 PM

Spot Inspections:

Discharge Amount:	45 GAL
Cause:	ROOTS IN MAIN SEWER
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE AREA
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE/WATER DISCHARGING FROM MANHOLE
Repair:	WORK ORDER 796361 - ROOT CUT THE MAIN SEWER

Notifications:

06/19/08 07:35 PM	ADVISED CUSTOMER ON SITE
06/19/08 12:58 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov