MSD

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

January 20, 2009

Ms. Carolena Bentley
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

Re: MSD Metro Operations
Hunting Creek South; KPDES No.: KY0029114
Discharge Monitoring Reports – December 2008.

Dear Ms. Bentley

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly operator report (MOR) for the Hunting Creek South WTP, KPDES No.: KY0029114 for the month of December 2008

Also included are the Metal analysis for December.
If you have any questions concerning the attached DMRs, please contact me at (502)241-9093.

Sincerely,

D.J.Rheinlaender
Process Supervisor, East Region

DJR/HCS 1208

Enclosures

cc: C. Roth (DOW Louisville)
T. Singleton
R. Shaw

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

NAME MSD HUNTING CREEK SOUTH STP

ADDRESS C/O CEDAR CREEK STP
8405 CEDAR CREEK RD
LOUISVILLE KY 40211

FACILITY MSD HUNTING CREEK SOUTH STP

LOCATION PROSPECT KY 40059

ATTN: DENNIS THOMASSON, SR METRO OPS

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

Form Approved.
OMB No. 2040-0004

KY0029114	001 1
PERMIT NUMBER	DISCHARGE NUMBER

MINOR
(SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE
EFFLUENT
*** NO DISCHARGE | __ | ***

JEFF

	MONITORING PERIOD					
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	08	12	01	TO	08	12	31

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
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	******	******		5.6	******	******	(19)	0	1/7	Grab
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	********	7 INST MIN	******	******	MG/L		WEEKLY	GRAB
PH	SAMPLE MEASUREMENT	******	******		6.7	******	7.1	(12)	0	1/7	Grab
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	********	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	225	309	(26)	******	178	274	(19)	0	1/7	Comp
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		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	12	19	(26)	******	9	12	(19)	0	1/7	Comp
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	63 MO AVG	94 MX WK AV	LBS/DY	******	30 MO AVG	45 MX WK AV	MG/L		WEEKLY	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	32	41	(26)	******	25	33	(19)	0	1/7	Comp
00610 G 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		WEEKLY	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	/	/	(26)	******	/	1.0	(19)	0	1/7	Comp
00610 1 2 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	11 MO AVG	16 MX WK AV	LBS/DY	******	5 MO AVG	7.5 MX WK AV	MG/L		WEEKLY	COMPOS
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	******	******		******	0.72	0.89	(19)	0	2/31	Comp
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	********	******	REPORT MO AVG	REPORT MX WK AV	MG/L		TWICE/ MONTH	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Exec. Dir. [signature]	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]	502	540-6[illegible]	09	01	20
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

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

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FACILITY MSD HUNTING CREEK SOUTH STP
LOCATION PROSPECT KY 40059
ATTN. DENNIS THOMASSON, SR METRO OPS

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

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OMB No. 2040-0004

KY0029114 — PERMIT NUMBER
001 1 — DISCHARGE NUMBER

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	YEAR	MO	DAY		YEAR	MO	DAY
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FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	C.180	C.366	(03)	*******	*******	*******		0	7/W	C/W
	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	CONTIN
CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	*******		*******	<0.010	<0.010	(19)	0	1/7	Grab
	PERMIT REQUIREMENT	*******	******* ****	****	******	0.011 MO AVG	0.019 MX WK AV	MG/L		WEEKLY	GRAB
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	1	1	(13)	0	1/7	Grab
	PERMIT REQUIREMENT	*******	******* ****	****	******	200 30DA GEO	400 7 DA GEO	#/ 100ML		WEEKLY	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 80082 G 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	204	238	(26)	*******	159	190	(19)	0	1/7	Comp²
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	******	REPORT MO AVG	REPORT MX WK AV	MG/L		WEEKLY	COMPOS
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	4	5	(26)	*******	3	3	(19)	0	1/7	Comp²
	PERMIT REQUIREMENT	21 MO AVG	31 MX WK AV	LBS/DY	******	10 MO AVG	15 MX WK AV	MG/L		WEEKLY	COMPOS
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMVL 80091 K 0 0 PERCENT REMOVAL	SAMPLE MEASUREMENT	*******	*******		98 %	*******	*******	(23)	0	1/M	Cal
	PERMIT REQUIREMENT	*******	******* ****	****	85 MO MIN	*******	*******	PER-CENT		ONCE/MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENT REMOVAL	SAMPLE MEASUREMENT	*******	*******		95 %	*******	*******	(23)	0	1/31	Cal
	PERMIT REQUIREMENT	*******	******* ****	****	85 MO MIN	*******	*******	PER-CENT		ONCE/MONTH	CALCTD

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Exec. Dir.
H. J. Schroder
TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
502	540-6000	09	01	20

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
HARDNESS, TOTAL (AS CACO3)	SAMPLE MEASUREMENT	******	******		******	319	319	(19)		1/YR	GRAB
00900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** ****	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
CADMIUM, DISSOLVED (AS CD)	SAMPLE MEASUREMENT	******	******		******	<0.002	<0.002	(19)		1/YR	GRAB
01025 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** ****	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
COPPER, DISSOLVED (AS CU)	SAMPLE MEASUREMENT	******	******		******	0.050	0.070	(19)		1/YR	GRAB
01040 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** ****	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
LEAD, DISSOLVED (AS PB)	SAMPLE MEASUREMENT	******	******		******	<0.005	<0.005	(19)		1/YR	GRAB
01049 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** ****	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
ZINC, DISSOLVED (AS ZN)	SAMPLE MEASUREMENT	******	******		******	0.073	0.073	(19)		1/YR	GRAB
01090 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** ****	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
ZINC TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	******		******	0.073	0.073	(19)		1/YR	GRAB
01094 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** ****	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
CADMIUM TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	******		******	0.0016	<0.003	(19)		1/YR	GRAB
01113 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	****** ****	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Env Eng H. L. Thomasson	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	AREA CODE 502	NUMBER 584-0006	YEAR 08	MO 11	DAY 25
TYPED OR PRINTED							

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	<0.005	<0.005	(19)		1/Yr	GRAB
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	0.050	0.050	(19)		1/Yr	Grab
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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H. J. Tokarski						
TYPED OR PRINTED						

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

Hunting Creek South

Hunting Cr. So.		Report for	**Dec-08**		Tot. Exc.=	0	(Influent data below.)		
Tot. Flow=	5.592		Concentrations				Pounds		
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.
12/1/08	0.155								
12/2/08	0.181								
12/3/08	0.15	7	3	0.34	1	8.757	3.753	0.425	0.457
12/4/08	0.14								
12/5/08	0.149								
12/6/08	0.181								
12/7/08	0.184								
12/8/08	0.179								
12/9/08	0.233								
12/10/08	0.187	12	3	0.67	1	18.715	4.679	1.045	0.886
12/11/08	0.366								
12/12/08	0.273								
12/13/08	0.206								
12/14/08	0.277								
12/15/08	0.181								
12/16/08	0.12								
12/17/08	0.158	8	3	0.5	1	10.542	3.953	0.659	0.719
12/18/08	0.178								
12/19/08	0.144								
12/20/08	0.161								
12/21/08	0.153								
12/22/08	0.147				1				
12/23/08	0.135	9	3	1		10.133	3.378	1.126	0.831
12/24/08	0.142								
12/25/08	0.161								
12/26/08	0.266								
12/27/08	0.152								
12/28/08	0.159								
12/29/08	0.123								
12/30/08	0.154								
12/31/08	0.197								
Average	0.180	9.00	3.00	0.63	1.00	12.04	3.94	0.81	0.72
Maximum	0.366	12.00	3.00	1.00	1.00	18.71	4.68	1.13	0.89
Exceed.	4	0	0	0	0	0	0	0	0
DailyMX		0	0	0	0	0	0	0	0
MoAVG		0	0	0	0	0	0	0	0
Minimum	0.12	MIN	MAX						
	DO (min)								
	pH								
	TRC								
		Avg	Max						

Hunting Creek South

INFLUENT

Date	Flow	Concentration TSS	Concentration BOD	Concentration NH3	Pounds TSS	Pounds BOD	Pounds NH3
12/1/2008	0.155						
12/2/2008	0.181						
12/3/2008	0.15	166	190	33	207.666	237.690	41.283
12/4/2008	0.14						
12/5/2008	0.149						
12/6/2008	0.181						
12/7/2008	0.184						
12/8/2008	0.179						
12/9/2008	0.233						
12/10/2008	0.187	118	105	19	184.030	163.756	29.632
12/11/2008	0.366						
12/12/2008	0.273						
12/13/2008	0.206						
12/14/2008	0.277						
12/15/2008	0.181						
12/16/2008	0.12						
12/17/2008	0.158	152	170	24	200.293	224.012	31.625
12/18/2008	0.178						
12/19/2008	0.144						
12/20/2008	0.161						
12/21/2008	0.153						
12/22/2008	0.147						
12/23/2008	0.135	274	170	22	308.497	191.403	24.770
12/24/2008	0.142						
12/25/2008	0.161						
12/26/2008	0.266						
12/27/2008	0.152						
12/28/2008	0.159						
12/29/2008	0.123						
12/30/2008	0.154						
12/31/2008							
Average	0.180	178	159	24.50	225.122	204.215	31.828
Maximum	0.366	274	190	33.00	308.5	237.69	41.283

Hunting Creek South

TSS Rem	BOD Rem
0.957831	0.984211
0.898305	0.971429
0.947368	0.982353
0.967153	0.982353

95%	98%
0	0
0	0