



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

August 18, 2010

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

**Re: MSD Metro Operations**  
**Hunting Creek South; WQTC KPDES No.: KY0029114**  
**Discharge Monitoring Reports – July 2010.**

Dear Ms. Bentley

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Hunting Creek South WQTC, KPDES No.: KY0029114 for the month of July 2010.

There are no overflow reports.

Attached is a bypass report for the month of July.


There were 5 exceedances for the month of July. One exceedance was for Ammonia Nitrogen (NH<sub>3</sub>-N) concentration of maximum weekly average, one exceedance was for percent removal of Total Suspended Solids (TSS), one exceedance was for TSS loading of maximum weekly average, and two exceedances were for TSS concentrations of monthly average and maximum weekly average. In order to determine the cause of the exceedances, MSD has continued testing on the Hunting Creek South treatment plant and the pond. The test results still indicate that the elevated Ammonia Nitrogen and total suspended solids are due to the performance of the pond. Since April 2010, 392,000 gallons have been hauled from the bottom of the bottom of the pond. The NH<sub>3</sub>-N exceedance was a result of the sample taken on July 1, 2010. Since July 1, 2010 to current date, the following six weekly permitted NH<sub>3</sub>-N samples have been analyzed. All six NH<sub>3</sub>-N results are 1.3 mg/l or less, which meets NH<sub>3</sub>-N permitted limits. Also, since July 20, 2010 to current date, the following four weekly permitted TSS samples have been analyzed. All four TSS results are 10 mg/l or less, which meets permitted limits. Due to the age of the pond, MSD believes that the long term solution would be to petition the State to eliminate the polishing pond from the permit. In order to maintain TSS compliance, or until we can eliminate the polishing pond from our process, MSD's will continue to haul sludge from the bottom of the pond..



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

If you have any questions concerning the attached DMRs, please contact me at (502)587-5856.

Sincerely,

A handwritten signature in black ink that reads "Richard W. Mills". The signature is written in a cursive style with a horizontal line above the "i" in "Mills".

Richard W. Mills  
Process Supervisor, East Region

RWM/HCS 0710

Enclosures

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

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

NAME HUNTING CREEK E WQTC MSD  
 ADDRESS C/O CEDAR CREEK WQTC  
 8402 CEDAR CREEK RD  
 LOUISVILLE KY 40211  
 FACILITY HUNTING CREEK E WQTC MSD  
 LOCATION PROSPECT KY 40057  
 ATTN: DANNIS THOMASSEN, SR. METRO OPS

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

PERMIT NUMBER KY0029114  
 DISCHARGE NUMBER C01 1

MINOR  
 (SUBR LV)  
 F - FINAL  
 MUNICIPAL DISCHARGE  
 EFFLUENT  
 \*\*\* NO DISCHARGE 1:1 \*\*\*

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 (DD) 00300 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		7	*****	*****	( 17 )	0	9/31	GR
	PERMIT REQUIREMENT	*****	*****	****	INST MIN	*****	*****	MG/L		WEEKLY	SPND
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		7.0	*****	7.5	( 12 )	0	9/31	GR
	PERMIT REQUIREMENT	*****	*****	****	MINIMUM	*****	MAXIMUM	SD		WEEKLY	SPND
SOLIDS, TOTAL SUSPENDED 00500 3 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	252	466	( 26 )	*****	193	370	( 17 )	0	1/7	CP
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WEEKLY	CONPUS
SOLIDS, TOTAL SUSPENDED 00500 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	52	129	( 26 )	*****	34	69	( 17 )	3	6/31	CP
	PERMIT REQUIREMENT	MO AVG	MX WK AV	LBS/DY	*****	MO AVG	MX WK AV	MG/L		WEEKLY	CONPUS
NITROGEN, AMMONIA TOTAL (AS N) 00610 3 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	29	44	( 26 )	*****	22	28	( 17 )	0	1/7	CP
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WEEKLY	CONPUS
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 1 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1	4	( 26 )	*****	1	4	( 17 )	0	1/7	CP
	PERMIT REQUIREMENT	MO AVG	MX WK AV	LBS/DY	*****	MO AVG	MX WK AV	MG/L		WEEKLY	CONPUS
PHOSPHORUS, TOTAL (AS P) 00640 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.59	0.94	( 17 )	0	5/31	CP
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WEEKLY	CONPUS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 H.J. Scharden Jr.  
 Exec. 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.

*Richard Mills*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE  
 502 540-6000 10 08 27  
 AREA CODE NUMBER YEAR MO DAY

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

See Cover letter for Explanation of Exceedances

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

NAME HUNTING CREEK 5 WSTC MSD  
 ADDRESS C/O CEDAR CREEK WSTC  
 0408 CEDAR CREEK RD  
 LOUISVILLE KY 40211  
 FACILITY HUNTING CREEK 5 WSTC MSD  
 LOCATION PROSPECT KY 40059  
 ATTN: DENNIS THOMASSON, SR METRO DPE

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

KY0029114  
 PERMIT NUMBER

JUL 1  
 DISCHARGE NUMBER

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

Form Approved.  
 OMB No. 2040-0004

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY

FROM

TO

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	0.172	0.308	(MG)	*****	*****	*****		0	CN	CN	
EFFLUENT GROSS VALUE	REPORT	REPORT		*****	*****	*****					
PERMIT REQUIREMENT	30DA AVG	DAILY MX	MGD								
CHLORINE, TOTAL RESIDUAL	*****	*****		*****	<0-010	<0-010	( 17 )	0	9/31	GR	
EFFLUENT GROSS VALUE	*****	*****	****	*****	0.011	0.017					
PERMIT REQUIREMENT			****		MD AVG	MX WK AV	MG/L				
SOLIDOM, FECAL GENERAL	*****	*****		*****	9	42	( 15 )	0	1/7	GR	
EFFLUENT GROSS VALUE	*****	*****	****	*****	200	400					
PERMIT REQUIREMENT			****		30DA GED	7 DA GED	100ML				
BOD, CARBONACEOUS 5 DAY, 20C	301	515	( 25 )	*****	229	409	( 17 )	0	1/7	CP	
RAW SEW/INFLUENT	REPORT	REPORT		*****	REPORT	REPORT					
PERMIT REQUIREMENT	MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV	MG/L				
BOD, CARBONACEOUS 5 DAY, 20C	5	7	( 25 )	*****	4	6	( 17 )	0	1/7	CP	
EFFLUENT GROSS VALUE	21	31		*****	10	15					
PERMIT REQUIREMENT	MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV	MG/L				
DEG O, PERCENT REMVL	*****	*****		*****	98		( 25 )	0	1/31	CA	
PERCENT REMOVAL	*****	*****	****	*****	85						
PERMIT REQUIREMENT			****		MD MIN		PER-CENT		MONTH		
SOLIDS, SUSPENDED PERCENT REMOVAL	*****	*****		*****	83		( 25 )	1	1/31	CA	
PERCENT REMOVAL	*****	*****	****	*****	85						
PERMIT REQUIREMENT			****		MD MIN		PER-CENT		MONTH		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 H.J. Schaefer JR  
 Exec. 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.

Richard Mills  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502-540-6000  
 DATE 10 08 27  
 AREA CODE NUMBER YEAR MO DAY

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

See cover letter for explanation of Exceedances

Hunting Creek South

Hunting Cr. So.	Report for	Jul-10		Tot. Exc.=		3 #DIV/0!		Pounds				
Tot. Flow=	5.325	Concentrations		Fecal	TSS	BOD	NH3	Tot. Phos.	TSS Rem	BOD Rem		
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	TSS Rem	BOD Rem	
7/1/10	0.139	43	6	3.53	2	49.848	6.956	4.092	0.820	0.768817	0.970732	
7/2/10	0.135											
7/3/10	0.134											
7/4/10	0.165											
7/5/10	0.158											
7/6/10	0.155											
7/7/10	0.146											
7/8/10	0.151	17	5	1.12	2	21.409	6.297	1.410	0.440	0.954054	0.987775	
7/9/10	0.168											
7/10/10	0.152											
7/11/10	0.158											
7/12/10	0.158											
7/13/10	0.308											
7/14/10	0.217											
7/15/10	0.163	69	3	0.39	2	93.800	4.078	0.530	0.944	-0.15	0.970588	
7/16/10	0.156											
7/17/10	0.17											
7/18/10	0.178											
7/19/10	0.177											
7/20/10	0.262	59				128.920				#DIV/0!		
7/21/10	0.22											
7/22/10	0.188	6	2	0.56	9200	9.408	3.136	0.878	0.398	0.961538	0.98995	
7/23/10	0.181											
7/24/10	0.17											
7/25/10	0.169											
7/26/10	0.166											
7/27/10	0.155											
7/28/10	0.154	8	5		2	10.275	6.422		0.364	#DIV/0!	#DIV/0!	
7/29/10	0.159			0.17	4			0.225				
7/30/10	0.159											
7/31/10	0.154											
Average	0.172	33.67	4.20	1.15	9.16	52.28	5.38	1.43	0.59	83%	98%	
Maximum	0.308	69.00	6.00	3.53	42.00	128.92	6.96	4.09	0.94			
Exceed.	2	2	0	0	0	1	0	0	0	2	0	
DailyMX		1	0	0	0	0	0	0	0			

Hunting Creek South

Date	Flow	Concentration			Pounds		
		TSS	BOD	NH3	TSS	BOD	NH3
7/1/2010	0.139	186	205	20.16	215.622	237.648	23.371
7/2/2010	0.135						
7/3/2010	0.134						
7/4/2010	0.165						
7/5/2010	0.158						
7/6/2010	0.155						
7/7/2010	0.146						
7/8/2010	0.151	370	409	24.86	465.956	515.070	31.307
7/9/2010	0.168						
7/10/2010	0.152						
7/11/2010	0.158						
7/12/2010	0.158						
7/13/2010	0.308						
7/14/2010	0.217						
7/15/2010	0.163	60	102	14	81.565	138.661	19.032
7/16/2010	0.156						
7/17/2010	0.17						
7/18/2010	0.178						
7/19/2010	0.177						
7/20/2010	0.262						
7/21/2010	0.22						
7/22/2010	0.188	156	199	27.89	244.596	312.016	43.729
7/23/2010	0.181						
7/24/2010	0.17						
7/25/2010	0.169						
7/26/2010	0.166						
7/27/2010	0.155						
7/28/2010	0.154						
7/29/2010	0.159						
7/30/2010	0.159						
7/31/2010							
Average	0.172	193	229	21.73	251.935	300.849	29.360
Maximum	0.308	370	409	27.89	466.0	515.07	43.729