

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 (NH3-N) concentration of maximum weekly average, one exceedance was for percent removal of Total Suspended Soilds (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 NH3-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 NH3-N samples have been analyzed. All six NH3-N results are 1.3 mg/l or less, which meets NH3-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..



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

Sinearely, Richard W-Mills

Richard W. Mills

Process Supervisor, East Region

RWM/HCS 0710

Enclosures

cc: C. Roth (DOW Louisville)

T. Singleton R. Shaw

HUNTING CREEK E WOTO MED

ADDRESS C/O CEDAR CREEK WOTC BACE CEDAR GREEK RE

LOUISVILLE

MY 40211

FACILITY TERRETING CHEEK E WOTE MED

LOCATIONPRESPECT

KY 40057 ANDRE DENNIS THOMASSON, SA METRO OPS YEAR MO.

**FROM** 

8Y002911#

PERMIT NUMBER

UQ3. 1 DISCHARGE NUMBER

MO.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MONITORING PERIOD

TO

DAY

YEAR

DAY

(SUBR LV) F - FINAL

MINOR

SPITE

OMB No. 2040-0004

MUNICIPAL DISCHARGE

MEFILUENT

\*\*\* NO DISCHARGE | | \*\*\*

NOTE: Read Instructions before completing this form.

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See Coverletter for Explanation of Exceedances

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ADDRESS C/C CEDAR CREEK WOTO

LOUISVILLE

LOCATIONPROSPECT

KV 40211

FACILITY HUNTIMS CREEK S WOTC MSD

ATTM: DENMIS THOMASSON, OR METRO OPS

KY 40059

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

MONITORING PERIOD

TO

以下のひとサミエ4 PERMIT NUMBER

MO.

DAY

YEAR

FROM

DISCHARGE NUMBER

YEAR MO. DAY

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Form Approved.

OMB No. 2040-0004

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MUNICIPAL DISCHARGE

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\*\*\* NO DISCHARGE : 1 \*\*\*

NOTE: Read Instructions before completing this form.

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submitted is, to the best of my knowledge and bell I am aware that there are significant penalties for including the possibility of fine and imprisonment COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments				te, and complete. e information,	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			02540-6 BE NUMBER		, ,	8 27 10 DAY

See cover letter for explanation of Exceedances

PAGE

Hunting Cr. Tot. Flow=	<b>So.</b> 5.325	Report for	Jul-10 Concentr		Γot. Exc.=	3	#DIV/0! Pour	nds			
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	TSS Rem	BOD Rem
7/1/10	0.139		6	3.53	2	49.848	6.956	4.092		0.768817	
7/1/10	0.135		J	3,00							-10101-
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					128.920				#DIV/0!	
7/21/10	0.22										
7/22/10	0.188		2	0.56	9200	9.408	3.136	0.878	0.398	0.961538	0.98995
7/23/10	0.181										
7 <i>[</i> 24/10	0.17										
7/25/10	0.169										
7/26/10	0.166										
7/27/10	0.155		_		_	40.075	0.400		0.004	((5)) ((6)	((D)) ((O)
7/28/10	0.154		5	A	2	10.275	6.422	0.005	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									250/	600/
Average	0.172		4.20	1.15	9.16	52.28 128.92	5.38 6.96	1,43 4.09			98%,
Maximum	0.308		6.00	3.53	42.00			4.09 0			0
Exceed.	2		0	0 0	0	1 0	0	0		2	0
DailyMX		1	0	U	U	U	U	U	· U		

					INFLUENT			
Date	Пои		ncentration				Роц	nds
7/1/2010	Flow	TSS	BOD	инз		TSS	BOD	NH3
7/1/2010	0.139	186	205	20.16		215.622	237.648	23.371
7/3/2010	0.135							
	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