



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

June 9, 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 – May 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 May 2010.

There are no overflow reports or bypass reports for this month.

The plant had a total of 4 exceedances for the following; concentrations of Ammonia Nitrogen monthly average and maximum weekly average, and the loadings of Ammonia Nitrogen monthly average and maximum weekly average. In order to determine the cause of the exceedances, we have continued testing on Hunting Creek South treatment plant and the pond. The results still indicate that the Ammonia Nitrogen problem is in the pond. To address this problem, we installed 2 new aerators in the pond on June 1, 2010. This should increase the dissolved oxygen. We believe this will correct the Ammonia Nitrogen issue in the pond.

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

Sincerely,

D.J. Rheinlaender
Process Supervisor, East Region

DJR/HCS 0510

Enclosures

cc: C. Roth (DOW Louisville)



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

T. Singleton
R. Shaw

NAME HUNTING CREEK & WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY HUNTING CREEK & WQTC MSD
LOCATION PROSPECT KY 40059
ATTN: DENNIS THOMASSEN, SR METRO OPS

WY0029114
PERMIT NUMBER

001 1
DISCHARGE NUMBER

MINOR (SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE EFFLUENT
*** NO DISCHARGE [] ***
JEFFS

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	05	01		10	05	01

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			
OXYGEN, DISSOLVED (DO) 00300 1 0 0 EFFLUENT GROSS VALUE		*****	*****		7	*****	*****	(19)		01/07	CR
	PERMIT REQUIREMENT	*****	*****	****	7	*****	*****	MG/L		WEEKLY	GRAB
PH 00400 1 0 0 EFFLUENT GROSS VALUE		*****	*****		6.4	*****	*****	(12)		01/07	GR
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	7.0	MINIMUM		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 9 0 0 RAW SEW/INFLUENT		336	608	(26)	*****	219	464	(19)		01/07	CP
	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT	MG/L		WEEKLY	COMPOS
		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV				
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE		44	60	(26)	*****	26	41	(19)		01/07	CP
	PERMIT REQUIREMENT	53	54		*****	30	45	MG/L		WEEKLY	COMPOS
		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV				
NITROGEN, AMMONIA TOTAL (AS N) 00610 9 0 0 RAW SEW/INFLUENT		30	35	(26)	*****	19	23	(19)		01/07	CP
	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT	MG/L		WEEKLY	COMPOS
		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV				
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 1 0 EFFLUENT GROSS VALUE		6	7	(26)	*****	3	4	(17)		01/07	CP
	PERMIT REQUIREMENT	4	5		*****	2	3	MG/L		WEEKLY	COMPOS
		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV				
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	0.77	2.0	(17)		01/07	CP
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L		WEEKLY	COMPOS
		*****	*****	****	*****	MO AVG	MX WK AV			MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER 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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
* See cover letter for explanation of Ammonia Nitrogen exceedances.

NAME HUNTING CREEK B WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY HUNTING CREEK B WQTC MSD
 LOCATION PROSPECT KY 40059
 ATTN: DENNIS THOMASSEN, SR METRO OPS

KY0029114
 PERMIT NUMBER

001 1
 DISCHARGE NUMBER

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

JEFFE

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
20	05	01	TO	10	05	04

FROM

NOTE: Read Instructions before completing this form.

PARAMETER	X	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	SAMPLE MEASUREMENT	0.227	0.836	(03)	*****	*****	*****		Ø	CN	CN
50050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		CONTIN	CONTIN
EFFLUENT GROSS VALUE		30DA AVG	DAILY MX	MGD				****		UCUS	UCUS
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****		*****	40.010	40.010	(19)	Ø	0/07	GR
50060 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.011	0.019			WEEKLY	GRAB
EFFLUENT GROSS VALUE				****		MO AVG	MX WK AV	MG/L			
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****		*****	4	26	(18)	Ø	0/07	GR
7405E 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	200	400	#/		WEEKLY	GRAB
EFFLUENT GROSS VALUE				****		30DA GEG	7 DA GEG	100ML			
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	294	449	(26)	*****	187	343	(19)	Ø	0/07	CP
80082 0 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT			WEEKLY	COMPOE
RAW SEW/INFLUENT		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	5	8	(26)	*****	3	5	(19)	Ø	0/07	CP
80082 1 0 0	PERMIT REQUIREMENT	21	31		*****	10	15			WEEKLY	COMPOE
EFFLUENT GROSS VALUE		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMVL	SAMPLE MEASUREMENT	*****	*****		98	*****	*****	(25)	Ø	0/31	CA
80091 1 0 0	PERMIT REQUIREMENT	*****	*****	****	85	*****	*****	PER-		UNCE/	CALCUL
PERCENT REMOVAL				****	MO MIN			CENT		MONTH	
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		88	*****	*****	(25)	Ø	0/31	CA
81011 1 0 0	PERMIT REQUIREMENT	*****	*****	****	85	*****	*****	PER-		UNCE/	CALCUL
PERCENT REMOVAL				****	MO MIN			CENT		MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY

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

Hunting Creek South

Date	Flow	INFLUENT Concentration			Pounds		
		TSS	BOD	NH3	TSS	BOD	NH3
5/1/2010	0.355						
5/2/2010	0.836						
5/3/2010	0.504						
5/4/2010	0.315	94	93	10.64	246.947	244.320	27.952
5/5/2010	0.26						
5/6/2010	0.21						
5/7/2010	0.2						
5/8/2010	0.197						
5/9/2010	0.177						
5/10/2010	0.174						
5/11/2010	0.176	178	182	19	261.276	267.147	27.889
5/12/2010	0.199						
5/13/2010	0.189						
5/14/2010	0.187						
5/15/2010	0.158						
5/16/2010	0.205						
5/17/2010	0.216						
5/18/2010	0.2	138	128	21.06	230.184	213.504	35.128
5/19/2010	0.178						
5/20/2010	0.187						
5/21/2010	0.189						
5/22/2010	0.212						
5/23/2010	0.185						
5/24/2010	0.175						
5/25/2010	0.157	464	343	23.3	607.552	449.117	30.509
5/26/2010	0.149						
5/27/2010	0.153						
5/28/2010	0.155						
5/29/2010	0.147						
5/30/2010	0.195						
5/31/2010	0.203						
Average	0.227	219	187	18.50	336.490	293.522	30.369
Maximum	0.836	464	343	23.30	607.6	449.12	35.128

