



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

May 23, 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 – April 2010.**

Dear Ms. Bentley

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

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

The plant had a total of 5 exceedances for the following; TSS monthly and weekly average, Ammonia Nitrogen monthly and weekly average and percent TSS removal. To investigate the cause of the exceedances, we have conducted some testing on Hunting Creek South treatment plant and the lagoon, and we have determined that the Ammonia Nitrogen and TSS exceedances are caused by a combination of the receiving stream overflowing into the lagoon during storms and insufficient aeration in the lagoon. To address this problem, we have ordered 2 additional aerators for the lagoon. Aerators are due to be delivered within the next two weeks and will be installed immediately.

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 0410

Enclosures

cc: C. Roth (DOW Louisville)



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

T. Singleton
R. Shaw

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

NAME HUNTING CREEK S WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 3405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY HUNTING CREEK S WQTC MSD
 LOCATION PROSPECT KY 40057
 ATTN: DENNIS THOMASSEN, SR METRO OPS

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

KY0029114
 PERMIT NUMBER

001 1
 DISCHARGE NUMBER

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

JEFFE

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
10	07	01	10	07	02

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	*****	*****		4	*****	*****	(17)	0	1/7	GR
	PERMIT REQUIREMENT	*****	*****	****	7	*****	*****			WEEKLY	GRAB
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		7.4	*****		(12)	0	1/7	GR
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	7.0			WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 0 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	114	167	(26)	*****	82	124	(17)	0	1/7	CP
	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT			WEEKLY	COMPOS
		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	53	88	(26)	*****	34	55	(17)	0	1/7	CP
	PERMIT REQUIREMENT	63	94		*****	20	45			WEEKLY	COMPOS
		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
NITROGEN, AMMONIA TOTAL (AS N) 00610 0 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	27	31	(26)	*****	14	21	(17)	0	1/7	CP
	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT			WEEKLY	COMPOS
		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	10	17	(26)	*****	6	7.45	(17)	0	1/7	CP
	PERMIT REQUIREMENT	11	16		*****	3	7.5			WEEKLY	COMPOS
		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.57	0.76	(17)	0	1/7	CP
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			WEEKLY	COMPOS
						MO AVG	MX WK AV	MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Exec. Dir
H. J. Schuchman
 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]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 DATE
 AREA CODE NUMBER YEAR MO DAY
 404 688 10 5 17

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

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

NAME HUNTING CREEK 5 WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY HUNTING CREEK 5 WQTC MSD
LOCATION PROSPECT KY 40059
ATTN: DENNIS THOMASSON, SR METRO OPS

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

KY0029114
PERMIT NUMBER
001 1
DISCHARGE NUMBER

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

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	07	01	TO	10	07	30

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	0.177	0.279	(03)	*****	*****	*****				e/n	e/n
50050 1 0 0	PERMIT REPORT	30DA AVG	DAILY MX	MGD	*****	*****	*****	****		CURTILINDENTIN	
EFFLUENT GROSS VALUE	REQUIREMENT							****		UBUS	
CHLORINE, TOTAL RESIDUAL	*****	*****	(19)	*****	*****	*****				1/7	GR
50060 1 0 0	PERMIT REPORT	*****	*****	****	*****	0.011	0.019			WEEKLY	GRAB
EFFLUENT GROSS VALUE	REQUIREMENT			****		MO AVG	MX WK AV	MG/L			
COLIFORM, FECAL GENERAL	*****	*****	(13)	*****	*****	*****	*****			1/7	GR
74055 1 0 0	PERMIT REPORT	*****	*****	****	*****	200	400	#/		WEEKLY	GRAB
EFFLUENT GROSS VALUE	REQUIREMENT			****		30DA GEO	7 DA GEO	100ML			
BOD, CARBONACEOUS 05 DAY, 20C	198	237	(26)	*****	*****	*****	*****			1/7	CP
80082 0 0 0	PERMIT REPORT	REPORT	REPORT		*****	REPORT	REPORT			WEEKLY	LUMPUS
RAW SEW/INFLUENT	REQUIREMENT	MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
BOD, CARBONACEOUS 05 DAY, 20C	11	16	(26)	*****	*****	*****	*****			1/7	CP
80082 1 0 0	PERMIT REPORT	21	31		*****	10	15			WEEKLY	LUMPUS
EFFLUENT GROSS VALUE	REQUIREMENT	MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMOVAL	*****	*****	(23)	*****	*****	*****	*****			1/30	CA
80091 K 0 0	PERMIT REPORT	*****	*****	****	*****	*****	*****	PER-		ONCE/	CALCUL
PERCENT REMOVAL	REQUIREMENT			****		MO MIN		CENT		MONTH	
SOLIDS, SUSPENDED PERCENT REMOVAL	*****	*****	(23)	*****	*****	*****	*****			1/30	CA
81011 K 0 0	PERMIT REPORT	*****	*****	****	*****	*****	*****	PER-		ONCE/	CALCUL
PERCENT REMOVAL	REQUIREMENT			****		MO MIN		CENT		MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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	Concentration			Pounds		
		TSS	BOD	NH3	TSS	BOD	NH3
4/1/2010	0.166	98	130	17.58	135.675	179.977	24.338
4/2/2010	0.157						
4/3/2010	0.171						
4/4/2010	0.159						
4/5/2010	0.147						
4/6/2010	0.139						
4/7/2010	0.132						
4/8/2010	0.279	24	102	13.44	55.845	237.340	31.273
4/9/2010	0.208						
4/10/2010	0.184						
4/11/2010	0.176						
4/12/2010	0.172						
4/13/2010	0.152						
4/14/2010	0.146						
4/15/2010	0.144	80	117	20.12	96.077	140.512	24.163
4/16/2010	0.155						
4/17/2010	0.159						
4/18/2010	0.162						
4/19/2010	0.142						
4/20/2010	0.144						
4/21/2010	0.143						
4/22/2010	0.161	124	175	20.83	166.500	234.980	27.969
4/23/2010	0.193						
4/24/2010	0.25						
4/25/2010	0.275						
4/26/2010	0.221						
4/27/2010	0.233						
4/28/2010	0.187						
4/29/2010	0.18						
4/30/2010	0.176						
5/1/2010							
Average	0.177	82	131	17.99	113.524	198.202	26.936
Maximum	0.279	124	175	20.83	166.5	237.34	31.273

