

Q/S

MSD

Metropolitan Sewer District

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

March 24, 2011

Ms. Crystal Thompson
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**Re: MSD Metro Operations
Hunting Creek South; WQTC KPDES No.: KY0029114
Discharge Monitoring Reports for-February 2011.**

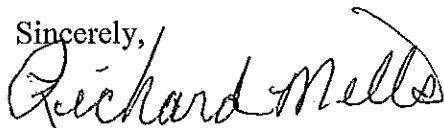
Dear Ms. Thompson:

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 February 2011.

There were no exceedences or bypass reports. Attached is an overflow report for this month.

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

Sincerely,



Richard. Mills
Process Supervisor, East Region

RM/HCS 2.11

Enclosures

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



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

NAME HUNTING CREEK S WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY HUNTING CREEK S WQTC MSD
 LOCATION PROSPECT KY 40057
 ATTN: DENNIS THOMASSON, SR METRO OPS

KY0029114
 PERMIT NUMBER

001 1
 DISCHARGE NUMBER

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

JEFF

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	02	01		11	02	23

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			
OXYGEN, DISSOLVED (DO) 00300 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		7	*****	*****	(19)	0	1/7	GR
	PERMIT REQUIREMENT	*****	*****	****	7	*****	*****			WEEKLY	GRAB
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		6.7	*****	7.2	(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	123	284	(26)	*****	85	240	(19)	0	1/7	CP
	PERMIT REQUIREMENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV			WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	8	13	(26)	*****	5	8	(19)	0	1/7	CP
	PERMIT REQUIREMENT	63	94		*****	30	45			WEEKLY	COMPOS
NITROGEN, AMMONIA TOTAL (AS N) 00610 0 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	26	36	(26)	*****	17	30	(19)	0	1/7	CP
	PERMIT REQUIREMENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV			WEEKLY	COMPOS
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.4	0.6	(26)	*****	0.2	0.3	(19)	0	1/7	CP
	PERMIT REQUIREMENT	11	16		*****	5	7.5			WEEKLY	COMPOS
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.2	0.4	(19)	0	1/7	CP
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MD AVG	REPORT MX WK AV			TWICE/MONTH	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

HJ Schardein OR
 Executive 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

402.540-6000

DATE

11 03 23

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

NAME HUNTING CREEK S WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY HUNTING CREEK S 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 1 1 ***

JEFF

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	02	01		11	02	28

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	0.222	0.590	(03)	*****	*****	*****		0	CN	CN
50050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		CURR INCONTIN	
EFFLUENT GROSS VALUE		30DA AVG	DAILY MX	MGD				****		UOUS	
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****		*****	20.010	20.010	(19)	0	1/7	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	*****	*****		*****	1	1	(13)	0	1/7	GR
74055 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	200	400	#/		WEEKLY GRAB	
EFFLUENT GROSS VALUE				****		30DA GED	7 DA GED	100ML			
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	152	240	(26)	*****	92	149	(19)	0	1/7	CP
80082 G 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT			WEEKLY COMPOS	
RAW SEW/INFLUENT		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	3	5	(26)	*****	2	2	(19)	0	1/7	CP
80082 1 0 0	PERMIT REQUIREMENT	21	31		*****	10	15			WEEKLY COMPOS	
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	*****	*****	(23)	0	1/28	CA
80091 K 0 0	PERMIT REQUIREMENT	*****	*****	****	85	*****	*****	PER-		ONCE /	CALCUL
PERCENT REMOVAL				****	MO MIN			CENT		MONTH	
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		94	*****	*****	(23)	0	1/28	CA
81011 K 0 0	PERMIT REQUIREMENT	*****	*****	****	85	*****	*****	PER-		ONCE /	CALCUL
PERCENT REMOVAL				****	MO MIN			CENT		MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 H. Schandera Jr
 Executive Director
 TYPED OR PRINTED

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Richard Mills
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
 502 540-6000 11 03 23
 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
2/1/2011	0.254						
2/2/2011	0.3	58	96	11	145.116	240.192	27.522
2/3/2011	0.226						
2/4/2011	0.199						
2/5/2011	0.251						
2/6/2011	0.23						
2/7/2011	0.23						
2/8/2011	0.23						
2/9/2011	0.211	24	78	13	42.234	137.260	22.877
2/10/2011	0.188						
2/11/2011	0.175						
2/12/2011	0.175						
2/13/2011	0.18						
2/14/2011	0.163						
2/15/2011	0.155						
2/16/2011	0.148	18	45	14	22.218	55.544	17.280
2/17/2011	0.152						
2/18/2011	0.133						
2/19/2011	0.126						
2/20/2011	0.154						
2/21/2011	0.165						
2/22/2011	0.167						
2/23/2011	0.142	240	149	30	284.227	176.458	35.528
2/24/2011	0.262						
2/25/2011	0.59						
2/26/2011	0.341						
2/27/2011	0.286						
2/28/2011	0.387						
Average	0.222	85	92	17.00	123.449	152.363	25.802
Maximum	0.590	240	149	30.00	284.2	240.19	35.528

Hunting Creek South

Hunting Cr. So.	Report for	Feb-11	Tot. Exc.= 0 (Influent data below.)								
Tot. Flow=	6.22	Concentrations		Pounds							
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	TSS Rem	BOD Rem
2/1/11	0.254										
2/2/11	0.3	5	2	0.22	1	12.510	5.004	0.550	0.109	0.913793	0.979167
2/3/11	0.226										
2/4/11	0.199										
2/5/11	0.251										
2/6/11	0.23										
2/7/11	0.23										
2/8/11	0.23										
2/9/11	0.211	2	2	0.17	1	3.519	3.519	0.299	0.178	0.916667	0.974359
2/10/11	0.188										
2/11/11	0.175										
2/12/11	0.175										
2/13/11	0.18										
2/14/11	0.163										
2/15/11	0.155										
2/16/11	0.148	5	2	0.22	1	6.172	2.469	0.272	0.428	0.722222	0.955556
2/17/11	0.152										
2/18/11	0.133										
2/19/11	0.126										
2/20/11	0.154										
2/21/11	0.165										
2/22/11	0.167										
2/23/11	0.142	8	2	0.34	1	9.474	2.369	0.403	0.217	0.966667	0.986577
2/24/11	0.262										
2/25/11	0.59										
2/26/11	0.341										
2/27/11	0.286										
2/28/11	0.387										
Average	0.222	5.00	2.00	0.24	1.00	7.92	3.34	0.38	0.23	94%	98%
Maximum	0.590	8.00	2.00	0.34	1.00	12.51	5.00	0.55	0.43		



Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES # KY0029114	Facility ID MSD0292	Water Quality Treatment Center HUNTING CREEK SOUTH	Receiving Stream of Treatment Center HARRODS CREEK	Region EAST
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Facility Type SLS Sewer Lift Station	Facility ID MSD1063-PS	Facility Address 6210 DEEP CREEK CT	If Pump Station, Name of Pump Station: DEEP CREEK	Receiving Stream HARRODS CREEK	Discharge to DITCH
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1211558	02/24/11 10:25 PM	ELDER	MILLS	DOCUMENTED	12/16/00	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	02/25/11 02:30 AM	

Spot Inspections:

Discharge Amount:	2,450 GAL
Cause:	LACK OF CAPACITY, OVERFLOW DUE TO RAIN EVENT IN AREA.
Clean Up:	NO DEBRIS
Control Zone:	TEMPORARY SIGNS POSTED AROUND THE AREA
Impact:	NO IMPACT OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR

Notifications:

02/24/11 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
02/24/11 10:25 PM	DISPUB	TEMPORARY SIGNS POSTED AROUND THE AREA
02/24/11 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov

Total Facilities Printed: 69
Total Work Orders Printed: 96