



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

April 21, 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 – March 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 March 2010.

Attached is a Overflow Reports and a bypass report.

We had 1exceedance for the CBOD maximum weekly average on March 17th 2010. At this time, we are not certain of the cause of the elevated CBOD result. Previous CBOD results are all less than the permitted values. So we believe the sample was contaminated. We reviewed the chain of custody, and verified sample collection and sample delivery protocols were followed. Although follow up testing of CBOD results on March 20th 2010 indicate full compliance, as a precaution, we will change the hose on the automated sampler.

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 0310

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 8 WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 140 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY HUNTING CREEK 8 WQTC MSD
 LOCATION PROSPECT KY 40059
 CITY SPANIS THORABOON SR METRO OPS

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

Form Approved.
 OMB No. 2040-0004

PERMIT NUMBER: KY0000014
 DISCHARGE NUMBER: 10011

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	03	01	TO	10	03	31

MINOR
 TOUR LV:
 F - FINAL
 MUNICIPAL DISCHARGE
 EFFLUENT
 *** NO DISCHARGE ***

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			
DAYSIDE DISSOLVED (DO)	*****	*****			8	*****	*****	(19)	0	1/7	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	INST MIN	7	*****	*****	NS/L		WEEKLY	GRAB
DAYSIDE DISSOLVED (DO)	*****	*****			7.6	*****	*****	(12)	0	1/7	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	MINIMUM	6.0	*****	9.0	NS/L		WEEKLY	GRAB
SOLIDS TOTAL SUSPENDED	*****	*****			*****	*****	*****	(19)	0	1/7	CP
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT	REPORT	LBS/DY	*****	REPORT	REPORT	NS/L		WEEKLY	COMPOS
SOLIDS TOTAL SUSPENDED	*****	*****			*****	*****	*****	(19)	0	1/7	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MO AVG	MX WK AV	LBS/DY	*****	MO AVG	MX WK AV	NS/L		WEEKLY	COMPOS
NITROGEN AMMONIA TOTAL (AS N)	*****	*****			*****	*****	*****	(19)	0	1/7	CP
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT	REPORT	LBS/DY	*****	REPORT	REPORT	NS/L		WEEKLY	COMPOS
NITROGEN AMMONIA TOTAL (AS N)	*****	*****			*****	*****	*****	(19)	0	1/7	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MO AVG	MX WK AV	LBS/DY	*****	MO AVG	MX WK AV	NS/L		WEEKLY	COMPOS
PHOSPHORUS TOTAL (AS P)	*****	*****			*****	*****	*****	(19)	0	1/7	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT	REPORT	NS/L		TWICE/MONTH	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 EXEC. DIR
 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: 502-540-1100
 DATE: 10 4 10

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

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

NAME HUNTING CREEK 8 WATE MSD
 ADDRESS C/O CEDAR CREEK WOTO
 8905 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY HUNTING CREEK 8 WATE MSD
 LOCATION PROSPECT KY 40057
 ATTN: DUNNIS THOMASSEN, SR METRO OPS

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

AV0025114 PERMIT NUMBER
 0011 DISCHARGE NUMBER

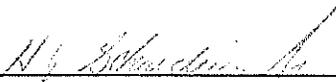
MINOR (SUBR LV)
 F - FINAL
 MUNICIPAL DISCHARGE
 EFFLUENT
 *** NO DISCHARGE ***

JEFFE

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	05	15	TO	10	05	31

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	0.174	0.240	(G3)	*****	*****	*****	*****	0	CP	C/N	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	30DA AVG	DAILY MX	MOD	*****	*****	*****	****		CONTINUOUS	
CHLORINE, TOTAL RESIDUAL	50.010	50.010	(19)	*****	*****	*****	*****	0	1/7	GR	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MO AVG	MX WK AV	MG/L	*****	*****	*****	*****		WEEKLY GRAB	
CULINARY, Fecal GENERAL	1	1	(19)	*****	*****	*****	*****	0	1/7	GR	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	30DA GED	7 DA GED	100ML	*****	*****	*****	*****		WEEKLY GRAB	
BOD, CARBONACEOUS 05 DAY, 20C	156	203	(25)	*****	*****	*****	*****	0	1/7	CP	
PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	*****	*****		WEEKLY COMPOS	
RAW SEW/INFLUENT	MO AVG	MX WK AV	LB/DY	*****	*****	*****	*****	*****		MO/L	
BOD, CARBONACEOUS 05 DAY, 20C	11	31	(25)	*****	*****	*****	*****	1	1/7	CP	
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MO AVG	MX WK AV	LB/DY	*****	*****	*****	*****		WEEKLY COMPOS	
BOD, CARBONACEOUS 05 DAY, 20C	93		(25)	*****	*****	*****	*****	0	1/31	CA	
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****		PERCENT	
SOLID, SUSPENDED PERCENT REMOVAL	92		(25)	*****	*****	*****	*****	0	1/31	CA	
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****		PERCENT	

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
			504	548-6000	10	4	19

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

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

KPDES # KY0029114
 Facility ID MSD0292
 Water Quality Treatment Center HUNTING CREEK SOUTH
 Receiving Stream of Treatment Center HARRODS CREEK
 Region EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0292	6530 MONTERO DR		HARRODS CREEK	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	1043442	03/26/10 08:00 AM	ELDER	RHEINLAENDE R JR	REPAIRED - ISSUE RESOLVED	03/26/10	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	03/26/10 10:30 AM	

Spot Inspections:

Discharge Amount	29,117 GAL
Cause:	DAMAGED SO2 FEED LINE
Clean Up:	NO DEBRIS, NO CLEANUP
Control Zone:	NO CONTROL ZONE SET UP OR REQUIRED
Impact:	NON DECHLORINATED WATER RELEASED THROUGH EFFLUENT LINE DUE TO SO2 FEED LINE BREAK
Repair:	CHEROKEE REPAIRED SO2 FEED LINE

Notifications:

03/26/10 03:03 PM	DISPUB	o PERMANENT SIGNS POSTED IN AREA o http://www.msdiouky.org/projectwin/
03/29/10 09:43 AM	DISNOT	Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov

Hunting Creek South

INFLUENT

Date	Flow	Concentration			Pounds		
		TSS	BOD	NH3	TSS	BOD	NH3
3/1/2010	0.196						
3/2/2010	0.177						
3/3/2010	0.176	96	75	16.46	140.913	110.088	24.161
3/4/2010	0.163						
3/5/2010	0.154						
3/6/2010	0.157						
3/7/2010	0.167						
3/8/2010	0.157						
3/9/2010	0.156						
3/10/2010	0.153	306	153	19.04	390.462	195.231	24.295
3/11/2010	0.155						
3/12/2010	0.172						
3/13/2010	0.185						
3/14/2010	0.184						
3/15/2010	0.182						
3/16/2010	0.163						
3/17/2010	0.162	140	86	17.92	189.151	116.193	24.211
3/18/2010	0.145						
3/19/2010	0.147						
3/20/2010	0.161						
3/21/2010	0.173						
3/22/2010	0.228						
3/23/2010	0.159						
3/24/2010	0.149	132	163	19.82	164.031	202.554	24.630
3/25/2010	0.184						
3/26/2010	0.24						
3/27/2010	0.203						
3/28/2010	0.212						
3/29/2010	0.203						
3/30/2010	0.173						
3/31/2010	0.172						
Average	0.174	169	119	18.31	221.139	156.016	24.324
Maximum	0.240	306	163	19.82	390.5	202.55	24.630

March 29, 2010

Mr. Charlie Roth, District Supervisor
KY Division of Water
Louisville Regional Office
9116 Leesgate Road
Louisville, KY 40222-5084

Re: Bypass Report for the: Hunting Creek So. WQTC- KPDES Permit: KY0029114

Dear Mr. Roth:

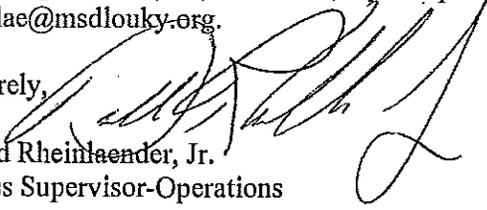
This plant experienced a bypass event and has been reported through our electronic notification system at approximately 09:41 AM on March 29, 2010, referencing Work Order 1043442 as a Dry Weather Discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: On March 26, 2010, approximately 29,117 gallons bypassed dechlorination treatment due to a break in the plant Sulfur Dioxide feed line. This was caused due to an exposed PVC feed line at a water crossing. Upon discovery of the broken PVC feed line, we had maintenance personnel repair the broken PVC line. To reduce the volume bypassed, we plugged the polishing pond effluent pipe to stop effluent flow, and hauled the influent flow with a tanker truck. Once the repair was made, Sulfur Dioxide feed was established. The wastewater did receive full Secondary and Tertiary treatment.
- Period of noncompliance: Starting 08:00 AM on March 26, 2010 and stopping 10:30 AM on March 26, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: We will restore the metal reinforcement piping where the PVC Sulfur Dioxide feed line is exposed. Restoration will be made by May 3, 2010.
- Additional comments: No additional comments.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-587-3209, my cell phone at (205)-548-3209 or via email at Rheinlae@msdlouky.org.

Sincerely,


Donald Rheinlaender, Jr.
Process Supervisor-Operations

cc: Gary Levy, KDEP



Mr. Charlie Roth, District Supervisor
KY Division of Water
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Paula Purifoy, MSD
eB File