



*Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)*

July 28, 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 – June 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 June 2010.

There are no overflow reports.

Attached is a bypass report for the month of June.

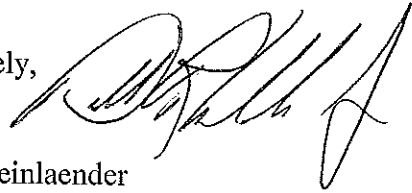
There were 5 exceedances for the month of June. Two exceedances were for Ammonia Nitrogen concentrations of monthly average and maximum weekly average, two exceedances were for Ammonia Nitrogen loadings of monthly average and maximum weekly average, and one exceedance was for the total suspended solids % removal. 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, 170,000 gallons have been hauled from the bottom of the pond. As a result, current laboratory test results indicate that the facility is now in full compliance for Ammonia Nitrogen. Laboratory test results also indicate that the effluent total suspended solids concentrations are decreasing.

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



*Beneficial Use of Louisville's Biosolids  
[www.louisvillegreen.com](http://www.louisvillegreen.com)*

Sincerely,

A handwritten signature in black ink, appearing to read 'DJR', written over the word 'Sincerely,'.

D.J.Rheinlaender  
Process Supervisor, East Region

DJR/HCS 0610

Enclosures

cc: C. Roth (DOW Louisville)  
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  
 6405 CEDAR CREEK RD  
 LOUISVILLE KY 40211  
 FACILITY HUNTING CREEK S WQTC MSD  
 LOCATION PROSPECT KY 40059  
 ATTN: DENNIS THOMASSON, SR METRO DPS

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

KY0027114		001 J	
PERMIT NUMBER		DISCHARGE NUMBER	

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
19	00	01		19	00	01

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

JEFFE

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	*****	*****		7	*****	*****	( 17 )	0	4/30	GR
00300 1 0 0	PERMIT REQUIREMENT	*****	*****	***	INST MIN	*****	*****	MG/L		WEEKLY	GR
EFFLUENT GROSS VALUE				***							
PH	SAMPLE MEASUREMENT	*****	*****		6.5	*****	7.4	( 12 )	0	6/30	GR
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	***	5.0	*****	7.0	SU		WEEKLY	GR
EFFLUENT GROSS VALUE				***	MINIMUM		MAXIMUM				
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT			( 26 )	*****			( 17 )	0	1/7	GR
00530 0 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT	MG/L		WEEKLY	COMPOS
RAW SEW/INFLUENT		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV				
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT			( 26 )	*****			( 17 )	0	5/30	GR
00530 1 0 0	PERMIT REQUIREMENT	63	94		*****	30	45	MG/L		WEEKLY	COMPOS
EFFLUENT GROSS VALUE		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV				
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT			( 26 )	*****			( 17 )	0	1/7	GR
00610 0 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT	MG/L		WEEKLY	COMPOS
RAW SEW/INFLUENT		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV				
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT			( 26 )	*****			( 17 )	4	5/30	GR
00610 1 1 0	PERMIT REQUIREMENT	4	8		*****	2	3	MG/L		WEEKLY	COMPOS
EFFLUENT GROSS VALUE		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV				
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	*****	*****		*****			( 17 )	0	1/7	GR
00665 1 0 0	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT	REPORT	MG/L		TWICE/MONTH	COMPOS
EFFLUENT GROSS VALUE				***		MO AVG	MX WK AV				
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.				TELEPHONE		DATE			
TYPED OR PRINTED						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR	MO

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

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

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

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

KY002P114

PERMIT NUMBER

001 1

DISCHARGE NUMBER

MINOR

(SUBR LV)

F - FINAL

MUNICIPAL DISCHARGE

EFFLUENT

\*\*\* NO DISCHARGE [ ] \*\*\*

NOTE: Read Instructions before completing this form.

JEFFERSON

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	0.171	0.279	MGD	*****	*****	*****	*****	0	C/N	C/N	
50050 1 0 0	PERMIT REQUIREMENT	30DA AVG	DAILY MX	MGD	*****	*****	*****	*****	0	CONTINUOUS	
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	0	QUART	
CHLORINE, TOTAL RESIDUAL	*****	*****	*****	*****	*****	*****	*****	0	1/30	GR	
50060 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	0.011 MG AVG	0.017 MX WK AV	MG/L	*****	WEEKLY	
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	0	1/7	
COLIFORM, FECAL GENERAL	*****	*****	*****	*****	*****	2	2	*/	0	1/7	
74055 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	30DA GED	7 DA GED	100ML	*****	WEEKLY	
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	0	1/7	
BOD, CARBONACEOUS 05 DAY, 20C	276	413	LBS/DY	*****	*****	194	427	*/	0	1/7	
80082 0 0 0	PERMIT REQUIREMENT	MD AVG	MX WK AV	LBS/DY	*****	MD AVG	MX WK AV	MG/L	*****	WEEKLY	
RAW SEW/INFLUENT	*****	*****	*****	*****	*****	*****	*****	*****	0	1/7	
BOD, CARBONACEOUS 05 DAY, 20C	5	7	LBS/DY	*****	*****	3	4	*/	0	1/7	
80082 1 0 0	PERMIT REQUIREMENT	MD AVG	MX WK AV	LBS/DY	*****	MD AVG	MX WK AV	MG/L	*****	WEEKLY	
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	*****	*****	*****	0	1/30	
BOD, CARE-5 DAY, 20 DEG C, PERCENT REMVL	*****	*****	*****	*****	*****	98	*****	PER-CENT	0	1/30	
80091 K 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	MD MIN	*****	PER-CENT	*****	ONCE/MONTH	
PERCENT REMOVAL	*****	*****	*****	*****	*****	*****	*****	*****	0	1/30	
SOLIDS, SUSPENDED PERCENT REMOVAL	*****	*****	*****	*****	*****	72	*****	PER-CENT	1	1/30	
81011 K 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	MD MIN	*****	PER-CENT	*****	ONCE/MONTH	
PERCENT REMOVAL	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
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.				TELEPHONE		DATE			
TYPED OR PRINTED						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		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
6/1/2010	0.164						
6/2/2010	0.172	84	427	17.92	120.496	612.523	25.706
6/3/2010	0.197						
6/4/2010	0.084						
6/5/2010	0.157						
6/6/2010	0.147						
6/7/2010	0.147						
6/8/2010	0.137						
6/9/2010	0.279	34	98	22.74	79.113	228.032	52.913
6/10/2010	0.195						
6/11/2010	0.168						
6/12/2010	0.198						
6/13/2010	0.178						
6/14/2010	0.254						
6/15/2010	0.185						
6/16/2010	0.176	184	106	17.58	270.083	155.591	25.805
6/17/2010	0.164						
6/18/2010	0.157						
6/19/2010	0.238						
6/20/2010	0.193						
6/21/2010	0.168						
6/22/2010	0.164						
6/23/2010	0.155	56	145	17.7	72.391	187.442	22.881
6/24/2010	0.152						
6/25/2010	0.147						
6/26/2010	0.156						
6/27/2010	0.163						
6/28/2010	0.122						
6/29/2010	0.171						
6/30/2010	0.145						
Average	0.171	90	194	18.99	135.521	295.897	31.826
Maximum	0.279	184	427	22.74	270.1	612.52	52.913

[illegible]



700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
www.msdlouky.org

June 15, 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 01:00 PM on June 14, 2010, referencing Work Order 1094894 as a Wet Weather Bypass. 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 June 14, 2010, we discovered sludge overflowing the plant digester. This was an oversight caused by an operator leaving the plant skimmer system valved to the digester. Approximately 50 gallons of sludge was bypassed.
- Period of noncompliance: Starting 07:45 AM on June 14, 2010 and stopping 07:50 AM on June 14, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: Upon discovery, MSD personnel turned off the skimmer which stopped the bypass. We are scheduled to conduct SOP training classes for Hunting Creek So. WQTC on June 30, and July 1, 2010.
- Additional comments: There are no additional comments.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-587-5856, my cell phone at (502)-548-3209 or via email at [rheinlae@msdlouky.org](mailto:rheinlae@msdlouky.org).

Sincerely,

D.J. Rheinlaender  
Process Supervisor-Operations

cc: Gary Levy, KDEP  
Paula Purifoy, MSD  
eB File





Metropolitan Sewer District

IMSAST0004

Overflow Report

Initiated Jun 01, 2010 12:00 AM thru Jun 30, 2010 11:59 PM

Report Selections: Excluding PPI, CSO, Excluding LAT and SSL, Prob Code: BYPAS, 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			
<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		1094894	06/14/10 07:45 AM	ELDER	RHEINLAENDE R JR	REPAIRED - ISSUE RESOLVED	06/14/10	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/14/10 07:50 AM	

Spot Inspections:

Discharge Amount:	50 GAL
Cause:	WHILE SKIMMING CLARIFIERS TO THE DIGESTER, THE DIGESTER OVERFLOWED.
Clean Up:	CONTRACTING B & H TO VACTOR & CLEAN CREEK & BANK, MSD TO SANITIZE AREA
Control Zone:	TEMPORARY SIGNS AROUND AREA & PERMENANT SIGNS ALONG CREEK
Impact:	SLUDGE ON THE GROUND & IN THE CREEK
Repair:	OPERATOR TURNED OFF SKIMMER TO STOP THE BYPASS.

Notifications:

06/14/10 09:02 AM	DISPUB	Temporary signs posted around area, Pemenant signs along creek, Supervisor notified employees working in the area
06/14/10 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/14/10 01:00 AM	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: 2

Total Work Orders Printed: 3