



MSD

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

April 23, 2008

Charlie Roth, District Supervisor
Kentucky Division of Water
9116 Leesgate Road
Louisville, Ky 40222

**Re: MSD Metro Operations
Hunting Creek South; KPDES No.: KY0029114
Discharge Monitoring Reports – March 2008**

Dear Mr. Roth

Attached is the Discharge Monitoring Reports (DMRs) for the Hunting Creek South WTP, KPDES No.: KY0029114 for the month of March 2008.

Also included are the Discharge reports and treatment plant bypass letter.

If you have any questions concerning the attached DMRs, please contact me at (502)241-9093.

Sincerely,

John Kessel
Process Supervisor, East Region

JMK/HCS 0308

Enclosures

cc: K. Thurman (DOW)
T. Singleton
R. Shaw



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

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

NAME MSD HUNTING CREEK SOUTH STP
ADDRESS 0/0 CEDAR CREEK STP
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY MSD HUNTING CREEK SOUTH STP
LOCATION PROSPECT KY 40057
ATTN: DENNIS THOMASSON, SR METRO DPS

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 ***

JEFFE

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
06	03	01		06	03	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			
OXYGEN, DISSOLVED (DO)	*****	*****			8.0	*****	*****	(19)	0	1/7	Grab
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	7 INST MIN	*****	*****	MG/L			WEEKLY GRAB
PH	*****	*****			7.0	*****	7.1	(12)	0	1/7	Grab
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU			WEEKLY GRAB
SOLIDS, TOTAL SUSPENDED	*****	*****	(26)		*****	89.0	145.0	(19)	0	1/7	Grab
00530 9 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV	MG/L			WEEKLY COMPOS
SOLIDS, TOTAL SUSPENDED	*****	*****	(26)		*****	7.0	14.0	(19)	0	1/7	Comp
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	63 MD AVG	94 MX WK AV	LBS/DY	*****	30 MD AVG	45 MX WK AV	MG/L			WEEKLY COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	*****	*****	(26)		*****	13.0	18.0	(19)	0	1/7	Comp
00610 9 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV	MG/L			WEEKLY COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	*****	*****	(26)		*****	1.0	2.0	(19)	0	1/7	Comp
00610 1 2 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	11 MD AVG	16 MX WK AV	LBS/DY	*****	5 MD AVG	7.5 MX WK AV	MG/L			WEEKLY COMPOS
PHOSPHORUS, TOTAL (AS P)	*****	*****			*****	2.0	2.0	(19)	0	2/3	Comp
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MD AVG	REPORT MX WK AV	MG/L			WICE/COMPOS MONTH

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Exec Director H.J. Schaefer Jr 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
			508	211-9093	08	04	22

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME MSO HUNTING CREEK SOUTH STP
 ADDRESS C/D CEDAR CREEK STP
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY MSO HUNTING CREEK SOUTH STP
 LOCATION PROSPECT KY 40059
 ATTN: DENNIS THOMASSON, SR METRO OPS

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

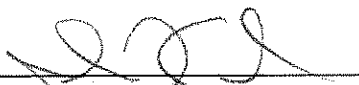
KY0029114 PERMIT NUMBER
 0011 DISCHARGE NUMBER

MINOR (SUBR LV)
 F - FINAL JEFFE
 MUNICIPAL DISCHARGE EFFLUENT

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
08	03	01		08	03	31

*** NO DISCHARGE [] ***
 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	0.346	1.090	(03)	*****	*****	*****		0	1/2	C/N
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****			CONT INCONT IN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****		*****	<0.010	<0.010	(19)	0	1/2	Grab
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.011 MD AVG	0.019 MX WK AV	MG/L			WEEKLY GRAB
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****		*****	3.0	20.0	(13)	0	1/2	Grab
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	200 30DA GED	400 7 DA GED	#/ 100ML			WEEKLY GRAB
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	192.0	376.0	(26)	*****	68.0	94.0	(19)	0	1/2	Comp
80082 0 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV	MG/L			WEEKLY COMPOS
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	7.0	14.0	(26)	*****	2.0	3.0	(19)	0	1/2	Comp
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	21 MD AVG	31 MX WK AV	LBS/DY	*****	10 MD AVG	15 MX WK AV	MG/L			WEEKLY COMPOS
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMVL	SAMPLE MEASUREMENT	*****	*****		97%	*****	*****	(23)	0	1/31	Cal
80091 K 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	****	85 MD MIN	*****	*****	PER-CENT			ONCE/ CALCTD MONTH
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		92%	*****	*****	(23)	0	1/31	Cal
81011 K 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	****	85 MD MIN	*****	*****	PER-CENT			ONCE/ CALCTD MONTH

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Vice Director H.J. Schadein Jr 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
			241-9093	08	04	22

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



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

KPDES # KY0029114	Facility ID MSD0292	Treatment Plant Name HUNTING CREEK SOUTH	Receiving Stream of Treatment Plant HARRODS CREEK	Region EAST
Facility Type SPL Sewer Treatment Plant	Facility ID MSD0292	Facility Address 6530 MONTERO DR	If Pump Station, Name of Pump Station:	Receiving Stream HARRODS CREEK
				Discharge to STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Stat</u>	<u>Event Date</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	757626	03/20/08 02:00 PM	MARKS JR	COOMER	D	03/20/08	BYPASS AT TREATMENT PLANT	DISCHARGE TO WATERS OF THE US	03/24/08 07:55 AM

Spot Inspections:

Discharge Amount:	117,436 GAL
Cause:	CREEK FLOODED SECONDARY LAGOON
Clean Up:	NO DEBRIS
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	THIS PROBLEM WAS IDENTIFIED DURING RAIN EVENT RECON AND WILL BE EVALUATED FOR REPAIR

Notifications:

03/20/08 12:58 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
03/20/08 12:58 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

KPDES # KY0029114 (Cont'd)	Facility ID MSD0292	Treatment Plant Name HUNTING CREEK SOUTH	Receiving Stream of Treatment Plant 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 Stat</u>	<u>Event Date</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	750775	03/04/08 03:28 AM	MARKS JR	KAISER	D	12/16/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	03/04/08 01:00 PM

Spot Inspections:

Discharge Amount:	15,000 GAL
Cause:	STORM FLOW CAUSED A LACK OF SYSTEM CAPACITY
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NOT OBSERVED BY MSD PERSONNEL
Repair:	HAULED TO PREVENT WO#751324

Notifications:

03/04/08 12:58 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
03/04/08 12:58 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

KPDES # KY0029114 (Cont'd)	Facility ID MSD0292	Treatment Plant Name HUNTING CREEK SOUTH	Receiving Stream of Treatment Plant HARRODS CREEK				Region EAST		
<u>Activity Code / Description</u> DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> 756466	<u>Initiated</u> 03/18/08 10:45 AM	<u>Initiated By</u> ELDER	<u>Assigned To</u> DUNN JR	<u>Disch Stat</u> D	<u>Event Date</u> 12/16/00	<u>Problem</u> LACK OF SYSTEM CAPACITY	<u>Resolution</u> DISCHARGE TO WATERS OF THE US	<u>Completed</u> 03/18/08 05:00 PM

Spot Inspections:

Discharge Amount:	11,625 GAL
Cause:	LACK OF CAPACITY,RAIN EVENT IN AREA
Clean Up:	NO DEBRI OR CLEANUP NEEDED DUE TO CREEK LEVEL
Control Zone:	SIGNS POSTED
Impact:	NOT OBSERVED BY MSD PERSONNEL
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY 12/31/08

Notifications:

03/18/08 12:58 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
03/18/08 12:58 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0029114 (Cont'd)	MSD0292	HUNTING CREEK SOUTH	HARRODS CREEK	EAST

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Stat</u>	<u>Event Date</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	756979	03/19/08 10:30 AM	ELDER	DUNN JR	D	12/16/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	03/19/08 11:10 PM

Spot Inspections:

Discharge Amount:	76,000 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	MSD CLEANED AND SANITIZED AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED BY MSD PERSONNEL
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY 12/31/08

Notifications:

03/19/08 12:58 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
03/19/08 12:58 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

KPDES # KY0029114 (Cont'd)	Facility ID MSD0292	Treatment Plant Name HUNTING CREEK SOUTH	Receiving Stream of Treatment Plant HARRODS CREEK	Region EAST
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Facility Type SLS Sewer Lift Station	Facility ID MSD1065-PS	Facility Address 6808 FAIRWAY VIEW CT	If Pump Station, Name of Pump Station: FAIRWAY VIEW	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 Stat</u>	<u>Event Date</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	756982	03/19/08 10:40 AM	ELDER	DUNN JR	D	10/14/02	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	03/19/08 11:05 PM

Spot Inspections:

Discharge Amount:	8,400 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	AREA RAKED DEBRI HAULED AREA SANITIZED
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NOT OBSERVED BY MSD PERSONNEL
Repair:	A SOLUTION FOR THIS LOCATION WILL BE INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

03/19/08 12:58 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
03/19/08 12:58 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



MSD

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

March 24, 2008

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

Re: Bypass Report for the South Hunting Creek – KPDES Permit KY0029114

Dear Mr. Roth:

This plant experienced a bypass event starting at 2:00 AM on March 20, 2008 and stopping at 7:55 AM on March 24, 2008.. This was reported through our electronic notification system at approximately 1:00 AM on March 21, 2008, referencing Work Order 757626 as a Rain Event Discharge. We are providing this letter as a written report of the bypass as required 401 KAR 5:065.

Due to recent rain event, Harrods Creek rose from its banks and overflowed into the treatment plants secondary lagoon. We estimate that once the creek reseeded that 117,436 gallons was bypassed into Harrods Creek. All stages of treatment to this water were preformed, except secondary lagoon treatment.

Please advise if you have any questions concerning this information. You can contact me at my office 241-9093 or via my cell phone 648-5984.

Sincerely,

John Kessel
East Region Supervisor

cc: D. Guthrie R. Shaw B. Bingham A. Akridge
D. Thomasson M. Jenkins D. Talley



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www.louisvillegreen.com*