



**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  
North Hunting Creek; KPDES No.: KY0029106  
Discharge Monitoring Reports – March 2008**

Dear Mr. Roth

Attached is the Discharge Monitoring Reports (DMRs) for the Hunting Creek North WTP, KPDES No.: KY0029106 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 - Operations

JMK/HCN 0308

Enclosures

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



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

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

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

Form Approved.  
OMB No. 2040-0004

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

KY0029106  
PERMIT NUMBER

001 1  
DISCHARGE NUMBER

MINOR  
(SUBR LV)  
F - FINAL

JEFFE

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

MUNICIPAL DISCHARGE  
EFFLUENT

\*\*\* NO DISCHARGE 1  \*\*\*

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)		*****	*****		7.4	*****	*****	( 19)	0	1/7	Grab
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	7 INST MIN	*****	*****	MG/L		WEEKLY	GRAB
PH		*****	*****		6.9	*****	7.1	( 12)	0	1/7	Grab
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM	5U		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED		308.0	346.0	( 26 )	*****	68.0	93.0	( 19)	0	1/7	Comp
00530 8 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED		21.0	37.0	( 26 )	*****	5.0	10.0	( 19)	0	1/7	Comp
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	90 MO AVG	134 MX WK AV	LBS/DY	*****	30 MO AVG	45 MX WK AV	MG/L		WEEKLY	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)		45.0	70.0	( 26 )	*****	9.0	13.0	( 19)	0	1/7	Comp
00610 8 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WEEKLY	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)		2.0	8.0	( 26 )	*****	0.42	1.0	( 19)	0	1/7	Comp
00610 1 2 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	15 MO AVG	22 MX WK AV	LBS/DY	*****	5 MO AVG	7.5 MX WK AV	MG/L		WEEKLY	COMPOS
PHOSPHORUS, TOTAL (AS P)		*****	*****		*****	2.0	2.0	( 19)	0	2/31	Comp
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		TWICE/MONTH	COMPOS
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	
TYPED OR PRINTED								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 MSD NORTH HUNTING CREEK STP  
 ADDRESS C/O CEDAR CREEK STP  
 8405 CEDAR CREEK RD  
 LOUISVILLE KY 40211  
 FACILITY MSD NORTH HUNTING CREEK STP  
 LOCATION PROSPECT KY 40059  
 ATTN: DENNIS THOMASSON, SR METRO OPS

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

KY0029106 PERMIT NUMBER  
 001 1 DISCHARGE NUMBER

MINOR  
 (SUBR LV)  
 F - FINAL

JEFFE

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

MUNICIPAL DISCHARGE  
 EFFLUENT

\*\*\* NO DISCHARGE 1 1 \*\*\*

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		0.644	2.746	( 03 )	*****	*****	*****		0	4x	4x
50050 1 0 0 EFFLUENT GROSS VALUE		REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTINUOUS	CONTINUOUS
CHLORINE, TOTAL RESIDUAL		*****	*****		*****	<0.010	<0.010	( 19 )	0	1/7	Grab
50060 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	*****	0.011 MG AVG	0.019 DAILY MX	MG/L		WEEKLY	GRAB
COLIFORM, FECAL GENERAL		*****	*****		*****	8.0	38.0	( 13 )	0	1/7	Grab
74055 1 0 0 EFFLUENT GROSS VALUE		*****	*****	****	*****	200 30DA GED	400 7 DA GED	#/ 100ML		WEEKLY	GRAB
BOD, CARBONACEOUS 05 DAY, 20C		297.0	413.0	( 26 )	*****	65.0	117.0	( 19 )	0	1/7	Comp
80082 9 0 0 RAW SEW/INFLUENT		REPORT MG AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MG AVG	REPORT MX WK AV	MG/L		WEEKLY	COMPOS
BOD, CARBONACEOUS 05 DAY, 20C		14.0	21.0	( 26 )	*****	3.0	3.0	( 19 )	0	1/7	Comp
80082 1 0 0 EFFLUENT GROSS VALUE		30 MG AVG	45 MX WK AV	LBS/DY	*****	10 MG AVG	15 MX WK AV	MG/L		WEEKLY	COMPOS
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMVL		*****	*****		96%	*****	*****	( 23 )	0	1/31	C-1
80091 K 0 0 PERCENT REMOVAL		*****	*****	****	85 MD MIN	*****	*****	PER-CENT		ONCE/MONTH	CALC'D
SOLIDS, SUSPENDED PERCENT REMOVAL		*****	*****		93%	*****	*****	( 23 )	0	1/31	C-1
81011 K 0 0 PERCENT REMOVAL		*****	*****	****	85 MD MIN	*****	*****	PER-CENT		ONCE/MONTH	CALC'D

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
 Exec Director  
 H.J. Schardein 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 502 241-9093  
 DATE 08 04 22  
 AREA CODE NUMBER YEAR MO DAY

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



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

<b>KPDES #</b> KY0029106	<b>Facility ID</b> MSD0291	<b>Treatment Plant Name</b> HUNTING CREEK NORTH		<b>Receiving Stream of Treatment Plant</b> HARRODS CREEK	<b>Region</b> EAST				
<b>Facility Type</b> SPL Sewer Treatment Plant	<b>Facility ID</b> MSD0291	<b>Facility Address</b> 7300 SHADWELL LN	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> HARRODS CREEK	<b>Discharge to</b> STREAM				
<b>Activity Code / Description</b> DISREV: RAIN EVENT DISCHARGE	<b>WO #</b> 760667	<b>Initiated</b> 03/27/08 07:45 AM	<b>Initiated By</b> MARKS JR	<b>Assigned To</b> COOMER	<b>Disch Stat</b> R	<b>Event Date</b> 09/07/06	<b>Problem</b> BYPASS AT TREATMENT PLANT	<b>Resolution</b> DISCHARGE TO WATERS OF THE US	<b>Completed</b> 03/29/08 08:30 AM

**Spot Inspections:**

Discharge Amount:	10,299 GAL
Cause:	CREEK BACKED UP INTO CL2 CHAMBER
Clean Up:	NO DEBRI PIPE DISCHARGE SUBMERGED
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT PIPE DISCHARGE SUBMERGED
Repair:	ONCE CREEK LEVEL DROPS PLANT WILL FLOW AS NORMAL

**Notifications:**

03/27/08 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
03/27/08 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

<b>KPDES #</b> KY0029106 (Cont'd)	<b>Facility ID</b> MSD0291	<b>Treatment Plant Name</b> HUNTING CREEK NORTH	<b>Receiving Stream of Treatment Plant</b> HARRODS CREEK	<b>Region</b> EAST
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<b>Facility Type</b> SLS Sewer Lift Station	<b>Facility ID</b> MSD1060-LS	<b>Facility Address</b> 7501 HUNTING CREEK DR	<b>If Pump Station, Name of Pump Station:</b> RIDING RIDGE	<b>Receiving Stream</b> HARRODS CREEK	<b>Discharge to</b> DITCH
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<u>Activity Code / Description</u> DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> 756603	<u>Initiated</u> 03/18/08 02:30 PM	<u>Initiated By</u> ELDER	<u>Assigned To</u> LARUE	<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> 03/19/08 11:10 PM
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**Spot Inspections:**

Discharge Amount:	10,200 GAL
Cause:	LACK OF CAPACITY
Clean Up:	AREA RAKED AND DEBRI HAULED
Control Zone:	SIGNS POSTED
Impact:	DEBRIS
Repair:	A SOLUTION FOR THIS LOCATION WILL BE INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

**Notifications:**

03/18/08 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
03/18/08 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

<b>KPDES #</b> KY0029106 (Cont'd)	<b>Facility ID</b> MSD0291	<b>Treatment Plant Name</b> HUNTING CREEK NORTH	<b>Receiving Stream of Treatment Plant</b> HARRODS CREEK			<b>Region</b> EAST			
<u>Activity Code / Description</u> DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> 760672	<u>Initiated</u> 03/27/08 09:20 AM	<u>Initiated By</u> MARKS JR	<u>Assigned To</u> COOMER	<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> 03/27/08 01:00 PM

**Spot Inspections:**

Discharge Amount:	600 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED AND SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED BY MSD
Repair:	A SOLUTION FOR THIS LOCATION WILL BE INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

**Notifications:**

03/27/08 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
03/27/08 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 31, 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 – North Hunting Creek TP – KPDES Permit KY0029106**

Dear Mr. Roth:

This plant experienced a bypass event starting at 7:45 AM on March 27, 2008 and stopping at 8:30 on March 29, 2008. This was reported through our electronic notification system at approximately 12:58 pm on March 27, 2008, referencing Work Order 760667 as a Rain Event Discharge. We are providing this letter as a written report of the bypass as required by 401 KAR 5:065.

Due to an area rain event the unnamed tributary at mile point 0.5 where North Hunting Creek WTP discharges backed up into the contact chamber causing creek water and plant effluent to mix. We estimate that 10,299 Gallons was bypassed into the creek once the creek water reseeded. The treatment plant effluent received all stages of treatment including disinfection and dechlorination.

Please advise if you have any questions concerning this information. You can contact me at my office 502-241-9093 or via my cell phone 502-648-5984.

Sincerely,

John Kessel  
East Region Supervisor

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



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