



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

June 18, 2009

Ms. Carolena Bentley  
DMR Coordinator  
200 Fair Oaks Lane  
Frankfort, Kentucky 40601

**Re: MSD Metro Operations**  
**Hunting Creek South; KPDES No.: KY0029114**  
**Discharge Monitoring Reports – May 2009.**

Dear Ms. Bentley

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Hunting Creek South WTP, KPDES No.: KY0029114 for the month of May 2009

Also inclosed are the Discharge Reports.

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

Sincerely,

A handwritten signature in black ink, appearing to read "D.J. Rheinlaender", with a large, stylized flourish at the end.

D.J. Rheinlaender  
Process Supervisor, East Region

DJR/HCS 0509

Enclosures

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



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

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

MINOR

(SUBR LV)

F - FINAL

MUNICIPAL DISCHARGE

EFFLUENT

\*\*\* NO DISCHARGE ( ) \*\*\*

NOTE: Read Instructions before completing this form.

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

NAME HUNTING CREEK SOUTH STP  
ADDRESS C/O CEDAR CREEK STP  
CEDAR CREEK RD  
LOUISVILLE KY 40211  
FACILITY HUNTING CREEK SOUTH STP  
LOCATION PROSPECT KY 40059  
ATTN: DONNIS THOMASSEN, SR METRO OPS

PERMIT NUMBER  
KY0027414

DISCHARGE NUMBER  
001

MONITORING PERIOD

FROM YEAR MO DAY TO YEAR MO DAY  
07 02 02 07 02 02

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	1/7	GR
DOSSO	PERMIT REQUIREMENT	*****	*****	****	INST MIN	*****	*****	MG/L		WEEKLY	GR
EFFLUENT GROSS VALUE											
PH	SAMPLE MEASUREMENT	*****	*****		6.7	*****	7.3	12	0	1/7	GR
DOSSO	PERMIT REQUIREMENT	*****	*****	****	MINIMUM	*****	MAXIMUM	BU		WEEKLY	GR
EFFLUENT GROSS VALUE											
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	224	304	(25)	*****	149	191	(17)	0	1/7	CP
DOSSO	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WEEKLY	CP
RAW SEW/INFLUENT											
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	19	26	(25)	*****	12	15	(17)	0	1/7	CP
DOSSO	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WEEKLY	CP
EFFLUENT GROSS VALUE											
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	32	35	(25)	*****	22	26	(17)	0	1/7	CP
DOSSO	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WEEKLY	CP
RAW SEW/INFLUENT											
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	1	3	(25)	*****	1	2	(17)	0	1/7	CP
DOSSO	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WEEKLY	CP
EFFLUENT GROSS VALUE											
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	*****	*****		*****	0.5	0.6	(17)	0	2/21	CP
DOSSO	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WEEKLY	CP
EFFLUENT GROSS VALUE											

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

AREA CODE

NUMBER

YEAR

MO

DAY

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)  
NAME 1984 HUNTING CREEK SOUTH STP  
ADDRESS C/O CEDAR CREEK STP  
1445 CEDAR CREEK RD  
LOUISVILLE KY 40211  
FACILITY 1984 HUNTING CREEK SOUTH STP  
LOCATION PROSPECT KY 40067  
ATTN DENNIS THOMASSON, SR METRO OPS

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

AY00029114  
PERMIT NUMBER

001 1  
DISCHARGE NUMBER

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

JEFFS

Form Approved.  
OMB No. 2040-0004

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
07	07	01	07	07	01

FROM

TO

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			
FLOW IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.224	0.451	MGD	*****	*****	*****		0	ON	CN
DOSED 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	***		ON	CN
EFFLUENT GROSS VALUE		30DA AVG	DAILY MX	MGD				***		ON	CN
FLOW IN TOTAL	SAMPLE MEASUREMENT	*****	*****		*****			( 17 )	0	47	GR
RESIDUAL	PERMIT REQUIREMENT	*****	*****	***	*****	0.011	0.017			47	GR
DOSED 1 0 0				****		NO AVG	MX WK AV	MG/L			GR
EFFLUENT GROSS VALUE											
SOLIDS, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****		*****	1	2	( 10 )	0	47	GR
DOSED 1 0 0	PERMIT REQUIREMENT	*****	*****	***	*****	200	400			47	GR
EFFLUENT GROSS VALUE				****		30DA GED	7 DA GED	100ML			
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	197	239	( 20 )	*****	133	147	( 17 )	0	47	CP
DOSED 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT			47	CP
RAW SEW/INFLUENT		NO AVG	MX WK AV	LBS/DY		NO AVG	MX WK AV	MG/L			
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	5	9	( 20 )	*****	4	5	( 17 )	0	47	CP
DOSED 1 0 0	PERMIT REQUIREMENT	21	31		*****	10	15			47	CP
EFFLUENT GROSS VALUE		NO AVG	MX WK AV	LBS/DY		NO AVG	MX WK AV	MG/L			
DO, DISSOLVED 5 DAY, 20C	SAMPLE MEASUREMENT	*****	*****		97			( 20 )	0	431	CA
DO, O, PERCENT REMVL	PERMIT REQUIREMENT	*****	*****	***	55	*****	*****	PER - CENT		431	CA
DOSED 1 0 0				****	NO MIN					MONTH	
PERCENT REMOVAL											
TOTAL, SUSPENDED	SAMPLE MEASUREMENT	*****	*****		92			( 20 )	0	431	CA
PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	***	55	*****	*****	PER - CENT		431	CA
DOSED 1 0 0				****	NO MIN					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			
Exec. Dir. H. J. Scherlein Jr											
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)						504	540 666	06	06	16	

Hunting Creek South

Date	Flow	INFLUENT			Pounds		
		TSS	Concentration BOD	NH3	TSS	BOD	NH3
5/1/2009	0.2						
5/2/2009	0.265						
5/3/2009	0.241						
5/4/2009	0.223						
5/5/2009	0.178	98	101	23	145.483	149.937	34.144
5/6/2009	0.25						
5/7/2009	0.267						
5/8/2009	0.415						
5/9/2009	0.438						
5/10/2009	0.449						
5/11/2009	0.226						
5/12/2009	0.205	178	140	15	304.327	239.358	25.646
5/13/2009	0.181						
5/14/2009	0.451						
5/15/2009	0.203						
5/16/2009	0.274						
5/17/2009	0.224						
5/18/2009	0.192						
5/19/2009	0.174	190	147	24	275.720	213.321	34.828
5/20/2009	0.153						
5/21/2009	0.146						
5/22/2009	0.136						
5/23/2009	0.143						
5/24/2009	0.144						
5/25/2009	0.187						
5/26/2009	0.157	130	143	26	170.219	187.241	34.044
5/27/2009	0.183						
5/28/2009	0.183						
5/29/2009	0.146						
5/30/2009	0.151						
5/31/2009	0.145						
Average	0.224	149	133	22.00	223.937	197.464	32.165
Maximum	0.451	190	147	26.00	304.3	239.36	34.828

[illegible]



Metropolitan Sewer District

IMSAST0004

Overflow Report

Initiated May 01, 2009 12:00 AM thru May 31, 2009 11:59 PM

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

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD1063-PS	6210 DEEP CREEK CT	DEEP CREEK	HARRODS CREEK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906001	05/08/09 08:10 PM	MARKS JR	HOWARD	DOCUMENTED	12/16/00	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 12:50 AM	

**Spot Inspections:**

Discharge Amount:	8,400 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED & SANITIZED AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO DEBRIS, JUST WASTEWATER
Repair:	STORM FLOW RECEDED

**Notifications:**

05/08/09 12:00 AM	DISPUB	public notified by signs and msd web site
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 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

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

KPDES # KY0029114 (Cont'd)	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 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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Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Status Date	Problem	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	909503	05/20/09 12:20 PM	SINGLETON	COOMER	DOCUMENTED	10/14/02	POWER OUTAGE (LG&E)	UNAUTHORIZED DISCHARGE - WATERS	05/20/09 12:30 PM	

**Spot Inspections:**

Discharge Amount:	100 GAL
Cause:	LG&E POWER FAIL
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE WAS OBSERVED
Repair:	HAULED UNTIL POWER WAS RESTORED. HAULOP #909510

**Notifications:**

05/20/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/05/09 03:00 PM	DISPUB	Public notified with temporary signs placed around overflow.