

MSD

Metropolitan Sewer District

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

June 10, 2011

Cheryl Edwards
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**Re: MSD Metro Operations
Hunting Creek South WQTC; KPDES No.: KY 0029114
Discharge Monitoring Reports for May of 2011**

Dear Ms. Edwards:

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 May 2011.

Also attached are overflow reports.

During the month of May, we were unable to sample the week of 5/1/11 through 5/7/11 due to flood water submerging the CI2 contact tank.
The V-Notch weir was several feet under water during this time period.

There were no exceedences or bypasses.

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

Sincerely,



Kevin Thompson
Process Supervisor, East Region

RM/Hunting Creek South 5 11

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

JEFFRE

*** NO DISCHARGE (K) ***

NOTE: Read Instructions before completing this form.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME HUNTING CREEK S WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
3405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY HUNTING CREEK S WQTC MSD
LOCATION PROSPECT KY 40059
ATTN: DENNIS THOMASSON, SR METRO OPS

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

FROM

TO

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN (DO)					8					3/31	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			***	INST MIN			MG/L			
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT				7.1		7.4			3/31	GR
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			***	MINIMUM		MAXIMUM	EU			
SUSPENDED SOLIDS TOTAL	SAMPLE MEASUREMENT	249	291			131	138			3/31	CP
RAW SEW/INFLUENT	PERMIT REQUIREMENT	NO AVG	MX WK AV	LBS/DY		NO AVG	MX WK AV	MG/L			
SUSPENDED SOLIDS TOTAL	SAMPLE MEASUREMENT	32	66			15	29			3/31	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	NO AVG	MX WK AV	LBS/DY		NO AVG	MX WK AV	MG/L			
NITROGEN TOTAL (AS N)	SAMPLE MEASUREMENT	31	36			16	17			3/31	CP
RAW SEW/INFLUENT	PERMIT REQUIREMENT	NO AVG	MX WK AV	LBS/DY		NO AVG	MX WK AV	MG/L			
NITROGEN TOTAL (AS N)	SAMPLE MEASUREMENT	1	2			0.7	1			3/31	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	NO AVG	MX WK AV	LBS/DY		NO AVG	MX WK AV	MG/L			
PHOSPHORUS TOTAL (AS P)	SAMPLE MEASUREMENT					0.3	0.5			3/31	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			***		NO AVG	MX WK AV	MG/L		MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
HJ. Schardein JR
Executive Director

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.

Kenn Thomasson

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
502	540-6000	11	06	10
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 HUNTING CREEK 5 WQTC MSD
 ADDRESS C/D CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211

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

PERMIT NUMBER: KY000111-1
 DISCHARGE NUMBER: 001

MINOR (SUBR LV)
 F - FINAL
 MUNICIPAL DISCHARGE EFFLUENT

Form Approved, OMB No. 2040-0004

JEFFE

FACILITY HUNTING CREEK 5 WQTC MSD
 LOCATION PROSPECT KY 40057
 ATTN: DENNIS THOMASSEN, SR METRO OPS

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY

*** NO DISCHARGE (X) ***

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		0.297	0.790	MGD							
50050 1 0 0 EFFLUENT GROSS VALUE		30DA AVG	DAILY MX	MGD							
CHLORINE, TOTAL RESIDUAL						<0.010	<0.010	MG/L		3/31	GR
50050 1 0 0 EFFLUENT GROSS VALUE						MO AVG	MX WK AV	MG/L			
COLEFORDIN, FECAL GENERAL						1	1	100ML		3/31	GR
74055 1 0 0 EFFLUENT GROSS VALUE						30DA GEO	7 DA GEO	100ML			
500 CARBONACEOUS 05 DAY, 20C		206	248	LBS/DY		108	116	MG/L		3/31	CP
50052 6 0 0 RAW SEW/INFLUENT		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
500 CARBONACEOUS 05 DAY, 20C		13	16	LBS/DY		7	7	MG/L		3/31	CP
50052 1 0 0 EFFLUENT GROSS VALUE		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
500 CARBONACEOUS 05 DAY, 20C						94%		PER-CENT		1/31	CA
50091 4 0 0 PERCENT REMOVAL						MO MIN		PER-CENT		MONTH	
500 PERCENT REMOVAL						88%		PER-CENT		1/31	CA
5011 4 0 0 PERCENT REMOVAL						MO MIN		PER-CENT		MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 HS Schardein JR
 Executive Director
 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 Dennis Thomassen

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 502 540-6000
 DATE: 11 05 10
 AREA CODE: 502 NUMBER: 540-6000 YEAR: 11 MO: 05 DAY: 10

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

Hunting Creek South

Date	Flow	INFLUENT Concentration			Pounds		
		TSS	BOD	NH3	TSS	BOD	NH3
5/1/2011	0.423						
5/2/2011	0.598						
5/3/2011	0.79						
5/4/2011	0.538						
5/5/2011	0.42						
5/6/2011	0.357						
5/7/2011	0.317						
5/8/2011	0.279						
5/9/2011	0.235						
5/10/2011	0.223						
5/11/2011	0.201						
5/12/2011	0.206	138	98	15	237.090	168.368	25.771
5/13/2011	0.191						
5/14/2011	0.192						
5/15/2011	0.211						
5/16/2011	0.208	126	116	17	218.575	201.228	29.490
5/17/2011	0.18						
5/18/2011	0.201						
5/19/2011	0.192						
5/20/2011	0.159						
5/21/2011	0.166						
5/22/2011	0.19						
5/23/2011	0.273	128	109	16	291.433	248.173	36.429
5/24/2011	0.327						
5/25/2011	0.254						
5/26/2011	0.52						
5/27/2011	0.382						
5/28/2011	0.284						
5/29/2011	0.248						
5/30/2011	0.232						
5/31/2011	0.21						
Average	0.297	131	108	16.00	249.032	205.923	30.563
Maximum	0.790	138	116	17.00	291.4	248.17	36.429



Initiated May 01, 2011 12:00 AM thru May 31, 2011 11:59 PM

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

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	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD1064-PS	8819 WESTOVER DR	WESTOVER	HARRODS CREEK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1269500	05/26/11 10:39 AM	ELDER	BROOKS	BEYOND APPROVED DESIGN STORM	04/27/11	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/26/11 02:19 PM	

Spot Inspections:

Discharge Amount:	1,600 GAL
Cause:	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED AROUND AFFECTED AREA
Impact:	CLEAR SEWAGE ON THE GROUND
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR

Notifications:

	DISPUB	Temporary signs placed around affected area
05/26/11 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/26/11 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

Initiated May 01, 2011 12:00 AM thru May 31, 2011 11:59 PM

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

KPDES # KY0029114	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	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>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1255534	05/02/11 12:50 PM	ELDER	MILLS	DOCUMENTED	12/16/00	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/04/11 12:50 PM	

Spot Inspections:

Discharge Amount:	23,040 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA
Clean Up:	PIPE DISCHARGE SUBMERGED- NO CLEAN UP
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE/WATER
Repair:	A SOLUTION FOR THIS LOCATION CAN BE LOCATED IN THE IOAP PLAN.

Notifications:

	DISPUB	Placed temporary signs around the impacted area
05/02/11 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/02/11 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, Excluding LAT and SSL, Result: WUS, Act Code: DISDW, DISREV

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

<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	1270939	05/27/11 07:45 PM	ELDER	THOMPSON	BEYOND APPROVED DESIGN STORM	04/27/11	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/27/11 09:12 PM	

Spot Inspections:

Discharge Amount:	174 GAL
Cause:	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA & PUMPS HAVE NOT CAUGHT UP FOR EVENING SURGE OF WATER USE IN THE COMMUNITY
Clean Up:	MSD CLEANED, SANITIZED & SPREAD LIME.
Control Zone:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA
Impact:	SEWAGE & DEBRIS ON THE GROUND
Repair:	CALLED B&H TO HAUL THE STATION

Notifications:

	DISPUB	Temporary signs posted around the affected area
05/27/11 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/27/11 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