



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

January 13, 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 Dec. 2011**

Dear Ms. Edwards:

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 Dec. 2011.

There were no exceedences, or bypasses.

Also attached is an overflow report , and the Annual Metal's DMR.

If you have any questions concerning the attached DMRs, please contact me at (502)587-5832

Sincerely,

A handwritten signature in cursive script that reads "Richard Mills".

Richard Mills
Process Supervisor of Metro Operations

RM/Hunting Creek South 12.11

Enclosures

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



Beneficial Use of Louisville's Biosolids
www.louisvlllegreen.com

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

MINOR
(SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE
EFFLUENT

JEFFE

*** NO DISCHARGE ***

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

8405 CEDAR CREEK RD

LOUISVILLE

KY 40211

FACILITY HUNTING CREEK S WQTC MSD

LOCATION PROSPECT

KY 40059

ATTN: DENNIS THOMASSON, SR METRO OPS

KY0027114
PERMIT NUMBER

001
DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY
FROM						

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO) 00300 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		7	*****	*****	MG/L	0	1/1	Gr
	PERMIT REQUIREMENT	*****	*****	****	INST MIN	*****	*****	MG/L			
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		6.8	*****	8.0	MG/L	0	1/1	Gr
	PERMIT REQUIREMENT	*****	*****	****	MINIMUM	*****	MAXIMUM	SU			
SOLIDS, TOTAL SUSPENDED 00500 0 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	396	560	LBS/DY	*****	177	292	MG/L	0	1/7	CP
	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT	MG/L			
		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV	MG/L			
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	7	9	LBS/DY	*****	3	5	MG/L	0	1/7	CP
	PERMIT REQUIREMENT	MD AVG	MX WK AV	LBS/DY	*****	MD AVG	MX WK AV	MG/L			
NITROGEN, AMMONIA TOTAL (AS N) 00610 0 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	39	47	LBS/DY	*****	18	23	MG/L	0	1/7	CP
	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT	MG/L			
		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV	MG/L			
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.8	1	MG/L	*****	0.4	0.5	MG/L	0	1/7	CP
	PERMIT REQUIREMENT	MD AVG	MX WK AV	LBS/DY	*****	MD AVG	MX WK AV	MG/L			
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.45	0.74	MG/L	0	1/7	CP
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L		MONTH	
		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV	MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Greg Hertzman
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.

Richard Mills
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502 540-6000
DATE 12 1 13
AREA CODE NUMBER YEAR MO DAY

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

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

MINOR
(SUBR LV)
7 - FINAL
MUNICIPAL DISCHARGE
EFFLUENT

JEFFE

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

NAME HUNTING CREEK S WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY HUNTING CREEK S WQTC MSD
LOCATION PROSPECT KY 40089
ATTN: DENNIS THOMASSEN, SR METRO OPS

KY0027114
PERMIT NUMBER

DUI 1
DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY
FROM						

*** NO DISCHARGE 1 ***

NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLDW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.295	0.775	(LBS)	*****	*****	*****		0	CN	CN
80050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	***		DOUS	
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****		*****	20.010	20.010	(17)	0	1/1	Gr
80060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	0.011 MD AVG	0.017 MX WK AV	MG/L			
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****		*****	6	62	(10)	0	1/7	Gr
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	30DA GED	7 DA GED	100ML			
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	285	324	(25)	*****	134	186	(27)	0	1/7	CP
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			
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	5	6	(25)	*****	3	3	(27)	0	1/7	CP
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	21 MD AVG	31 MX WK AV	LBS/DY	*****	10 MD AVG	25 MX WK AV	MG/L			
BOD, CARBONACEOUS 5 DAY, 20 DEG C, PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		98	*****	*****	(20)	0	1/31	CA
80091 0 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	****	85 MD MIN	*****	*****	PER-CENT		MONTH	
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		98	*****	*****	(20)	0	1/31	CA
81011 0 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	****	85 MD MIN	*****	*****	PER-CENT		MONTH	

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TELEPHONE DATE
502 540-6000 12 1 13
AREA CODE NUMBER YEAR MO DAY

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

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 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY HUNTING CREEK S WQTC MSD
 LOCATION PROSPECT KY 40057
 ATTN: DENNIS THOMASSON, SR METRO OPS

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

MINOR
 (SUBR LV)
 F - FINAL
 METALS MONITORING
 EFFLUENT
 *** NO DISCHARGE ***

JEFFE

PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY

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PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
HARDNESS, TOTAL (AS CaCO3) 00900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	184	184	MG/L	0	1/yr	CP
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L			
CADMIUM, DISSOLVED (AS Cd) 01025 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	0.003	0.003	MG/L	0	1/yr	CP
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L			
COPPER, DISSOLVED (AS Cu) 01040 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	0.012	0.012	MG/L	0	1/yr	CP
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L			
LEAD, DISSOLVED (AS Pb) 01049 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	0.008	0.008	MG/L	0	1/yr	CP
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L			
ZINC, DISSOLVED (AS Zn) 01090 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	0.060	0.060	MG/L	0	1/yr	CP
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L			
ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	0.060	0.060	MG/L	0	1/yr	CP
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L			
CADMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	****	*****	0.003	0.003	MG/L	0	1/yr	CP
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L			
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											
Greg Heitzman Executive Director	Richard Mills				502 540-6000			12 1 13			
											SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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

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

MINDR
(SUBR LV)
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LOUISVILLE

KY 40211

FACILITY HUNTING CREEK S WQTC MSD

LOCATION PROSPECT

KY 40059

ATTN: DENNIS THOMASSEN, SR METRO OPS

KY0027114
PERMIT NUMBER

001 M
DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
LEAD TOTAL RECOVERABLE 01114 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	0.008	0.008		0	1/yr	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT NO AVG	REPORT DAILY MX	MG/L			
COPPER TOTAL RECOVERABLE 01119 1 0 0	SAMPLE MEASUREMENT	*****	*****		*****	0.016	0.016		0	1/yr	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT NO AVG	REPORT DAILY MX	MG/L			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										

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Executive Director
TYPED OR PRINTED

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Richard Mills
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 502, 540-6000
DATE: 12 / 1 / 13
AREA CODE NUMBER YEAR MO DAY

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

Hunting Creek South

Date	Flow	INFLUENT Concentration			INFLUENT Pounds		
		TSS	BOD	NH3	TSS	BOD	NH3
12/1/2011	0.302						
12/2/2011	0.241						
12/3/2011	0.236						
12/4/2011	0.28	178	129	20	415.473	301.101	46.682
12/5/2011	0.775						
12/6/2011	0.547						
12/7/2011	0.382						
12/8/2011	0.289						
12/9/2011	0.25						
12/10/2011	0.225						
12/11/2011	0.23	292	148	15	559.749	283.708	28.754
12/12/2011	0.209						
12/13/2011	0.198						
12/14/2011	0.187						
12/15/2011	0.279						
12/16/2011	0.237						
12/17/2011	0.218						
12/18/2011	0.209	100	186	23	174.231	324.070	40.073
12/19/2011	0.207						
12/20/2011	0.202						
12/21/2011	0.326						
12/22/2011	0.364						
12/23/2011	0.377	138	74	13	433.494	232.453	40.836
12/24/2011	0.316						
12/25/2011	0.278						
12/26/2011	0.253						
12/27/2011	0.42						
12/28/2011	0.333						
12/29/2011	0.287						
12/30/2011	0.261						
12/31/2011	0.24						
Average	0.295	177	134	17.75	395.737	285.333	39.087
Maximum	0.775	292	186	23.00	559.7	324.07	46.682



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

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1388334	12/05/11 07:00 AM	SINGLETON	OPS BSHIFT EAST	DOCUMENTED	12/16/00	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATER S	12/06/11 06:10 AM	

Spot Inspections:

Discharge Amount:	34,750 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED, SANITIZED & LIMED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR

Notifications:

12/05/11 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
12/05/11 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
12/05/11 07:00 AM	DISPUB	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA