

R/S

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

February 10, 2011

Crystal Thompson
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**Re: MSD Metro Operations
Hunting Creek North; WQTC KPDES No.: KY0029106
Discharge Monitoring Reports for January 2011**

Dear Ms. Thompson:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Hunting Creek North WQTC, KPDES No.: KY0029106 for the month of January 2011

There are no exceedences, overflow reports or bypass reports for this month.

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

Sincerely,



Richard Mills
Process Supervisor – East Region

RM/HCN 1 11

Enclosures

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



Beneficial Use of Louisville's Biosolids
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 HUNTING CREEK N WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY HUNTING CREEK N WQTC MSD
LOCATION PROSPECT KY 40059
ATTN: DENNIS THOMASSON, SR METRO OPS

KY0029106
PERMIT NUMBER

001 1
DISCHARGE NUMBER

MINOR
(SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE
EFFLUENT

JEFFI

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	01	01		11	01	31

*** NO DISCHARGE 1 - 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)		*****	*****		8	*****	*****	(19)	0	1/7	GR
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	INST MIN	*****	*****	MG/L			
PH		*****	*****		7.0	*****	7.1	(12)	0	1/7	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	MINIMUM	*****	MAXIMUM	SU			
SOLIDS, TOTAL SUSPENDED		221	354	(26)	*****	163	332	(19)	0	1/7	CP
00530 2 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			
SOLIDS, TOTAL SUSPENDED		7	17	(26)	*****	5	11	(19)	0	1/7	CP
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			
NITROGEN, AMMONIA TOTAL (AS N)		38	49	(26)	*****	26	34	(19)	0	1/7	CP
00610 2 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			
NITROGEN, AMMONIA TOTAL (AS N)		0.3	0.4	(26)	*****	0.2	0.2	(19)	0	1/7	CP
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			
PHOSPHORUS, TOTAL (AS P)		*****	*****		*****	0.4	0.7	(19)	0	1/7	CP
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MO AVG	REPORT MX WK AV	MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
HJ Schardin 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.

Richard Mills
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
502.570-6000	11	2	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 N WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211

FACILITY HUNTING CREEK N WQTC MSD
 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
 MUNICIPAL DISCHARGE
 EFFLUENT

JEFFI

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	01	01		11	01	31

*** 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			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		0.184	0.302	(03)	*****	*****	*****		0	CN	CN
50050 1 0 0	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTINUOUS	CONTINUOUS
EFFLUENT GROSS VALUE		*****	*****		*****	20.010	20.010	(19)	0	1/7	GR
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****	****	*****	0.011	0.017	MG/L		WEEKLY	GRAB
50060 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	MO AVG	DAILY MX				
EFFLUENT GROSS VALUE		*****	*****	****	*****	3	9	(13)	0	1/7	GR
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****	****	*****	200	400 #/			WEEKLY	GRAB
74055 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	30DA GEO	7 DA GEO	100ML			
EFFLUENT GROSS VALUE		237	267	(26)	*****	165	186	(19)	0	1/7	CP
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV	MG/L		WEEKLY	CUMULUS
80082 6 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	3	6	(19)	0	1/7	CP
RAW SEW/INFLUENT	SAMPLE MEASUREMENT	5	9	(26)	*****	10	15	MG/L		WEEKLY	CUMULUS
80082 1 0 0	PERMIT REQUIREMENT	30 MD AVG	45 MX WK AV	LBS/DY	*****	*****	*****	(23)	0	1/31	CA
EFFLUENT GROSS VALUE		*****	*****		98	*****	*****			ONCE/ MONTH	CALCULATED
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****	****	85 MD MIN	*****	*****	PER-CENT		ONCE/ MONTH	CALCULATED
80091 K 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****				
PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****	****	97	*****	*****	(23)	0	1/31	CA
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****	****	85 MD MIN	*****	*****	PER-CENT		ONCE/ MONTH	CALCULATED
81011 K 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	*****				

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Richard Mills
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502 540-6000
 DATE 11 2 10
 AREA CODE NUMBER YEAR MO DAY

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

Hunting Creek North

Hunting Cr. No.		Report for Jan-11				Tot. Exc.=		0 (Influent data below.)				
Tot. Flow= 5.706		Concentrations				Pounds						
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	T. Phos	TSS Rem	BOD Rem	
1/1/11	0.302											
1/2/11	0.238											
1/3/11	0.128	5	2	0.17	1	5.338	2.135	0.181	0.100	0.98494	0.98895	
1/4/11	0.089											
1/5/11	0.086											
1/6/11	0.153											
1/7/11	0.186											
1/8/11	0.188											
1/9/11	0.196				1							
1/10/11	0.17	2	2	0.22		2.836	2.836	0.312	0.243	0.96875	0.989247	
1/11/11	0.189											
1/12/11	0.19											
1/13/11	0.172											
1/14/11	0.17											
1/15/11	0.176											
1/16/11	0.185											
1/17/11	0.193											
1/18/11	0.211	2	3	0.22	5	3.519	5.279	0.387	0.363	0.989247	0.980263	
1/19/11	0.188											
1/20/11	0.202											
1/21/11	0.184											
1/22/11	0.194											
1/23/11	0.197											
1/24/11	0.189	11	6	0.22	9	17.339	9.458	0.347	0.685	0.84507	0.957746	
1/25/11	0.196											
1/26/11	0.188											
1/27/11	0.194											
1/28/11	0.183											
1/29/11	0.195											
1/30/11	0.195											
1/31/11	0.179											
Average	0.184	5.00	3.25	0.21	2.59	7.26	4.93	0.31	0.35	97%	98%	
Maximum	0.302	11.00	6.00	0.22	9.00	17.34	9.46	0.39	0.69			

Hunting Creek North

Date	Flow	INFLUENT Concentration			Pounds		
		TSS	BOD	NH3	TSS	BOD	NH3
1/1/2011	0.302						
1/2/2011	0.238						
1/3/2011	0.128	332	181	20	354.417	193.221	21.350
1/4/2011	0.089						
1/5/2011	0.086						
1/6/2011	0.153						
1/7/2011	0.186						
1/8/2011	0.188						
1/9/2011	0.196						
1/10/2011	0.17	64	186	34	90.739	263.711	48.205
1/11/2011	0.189						
1/12/2011	0.19						
1/13/2011	0.172						
1/14/2011	0.17						
1/15/2011	0.176						
1/16/2011	0.185						
1/17/2011	0.193						
1/18/2011	0.211	186	152	28	327.312	267.480	49.273
1/19/2011	0.188						
1/20/2011	0.202						
1/21/2011	0.184						
1/22/2011	0.194						
1/23/2011	0.197						
1/24/2011	0.189	71	142	22	111.914	223.829	34.678
1/25/2011	0.196						
1/26/2011	0.188						
1/27/2011	0.194						
1/28/2011	0.183						
1/29/2011	0.195						
1/30/2011	0.195						
1/31/2011	0.179						
Average	0.184	163	165	26.00	221.095	237.060	38.377
Maximum	0.302	332	186	34.00	354.4	267.48	49.273