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 13, 2012

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

Re: MSD Metro Operations
North Hunting Creek WQTC; KPDES No.: KY 0029106
Discharge Monitoring Reports for January 2012.

Dear Ms. Edwards:

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the North Hunting Creek WQTC; KPDES No.: KY0029106 for the month of January 2012.

There were no exceedences or bypasses to report for this month.

Also attached is an overflow report.

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

Sincerely,

Kevin Thompson
Process Supervisor, East Region

KT/North Hunting Creek 01/12.

Enclosures

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

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

Form Approved
OMB No. 2040-0004

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

NAME: CEDAR CREEK WQTC
ADDRESS: 8405 CEDAR CREEK RD
LOUISVILLE, KY 40211

FACILITY: HUNTING CREEK N WQTC MSD
LOCATION: 7300 SHADWELL LN
PROSPECT, KY 40059

ATTN: DENNIS THOMASSON, SR METRO OPS

KY0029106	001-1
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
	MM/DD/YYYY		MM/DD/YYYY
FROM	01/01/2012	TO	01/31/2012

DMR Mailing ZIP CODE: 40211
MINOR
(SUBR LV) JEFFE
MUNICIPAL DISCHARGE
External Outfall

No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Oxygen, dissolved (DO) 00300 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	8	******	******		0	1/1	GR
	PERMIT REQUIREMENT	******	******	******	7 INST MIN	******	******	mg/L		Weekly	GRAB
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	6.4	******	7.6		0	1/1	GR
	PERMIT REQUIREMENT	******	******	******	6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
Solids, total suspended 00530 1 0 Effluent Gross	SAMPLE MEASUREMENT	6	10		******	5	10		0	1/7	CP
	PERMIT REQUIREMENT	90 30DA AVG	135 DAILY MX	lb/d	******	30 30DA AVG	45 DAILY MX	mg/L		Weekly	COMP24
Nitrogen, total 00600 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	11	16		0	1/7	CP
	PERMIT REQUIREMENT	******	******	******	******	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	mg/L		Weekly	COMPOS
Nitrogen, ammonia total (as N) 00610 1 2 Effluent Gross	SAMPLE MEASUREMENT	0.6	0.7		******	0.4	0.7		0	1/7	CP
	PERMIT REQUIREMENT	15 30DA AVG	22.5 DAILY MX	lb/d	******	5 30DA AVG	7.5 DAILY MX	mg/L		Weekly	COMP24
Phosphorus, total (as P) 00665 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	0.19	0.25		0	1/7	CP
	PERMIT REQUIREMENT	******	******	******	******	1 30DA AVG	2 DAILY MX	mg/L		Weekly	COMPOS
Flow, in conduit or thru treatment plant 50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	0.184	0.556		******	******	******	******	0	CN	CN
	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. INST MAX	MGD	******	******	******	******		Weekly	INSTAN

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE
Greg C. Heitzman, PE Interim 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.	Kei Moore	502-540-6000		02/16/2012
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
TOTAL NITROGEN - TKN (AS N) AND NITRATE/NITRITE (AS N)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
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No Discharge ☐

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Chlorine, total residual 50060 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	<0.019	<0.019		0	1/1	GR
	PERMIT REQUIREMENT	******	******	******	******	.011 30DA AVG	.019 DAILY MX	mg/L		Weekly	GRAB
E. coli 51040 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	2	3		0	1/7	GR
	PERMIT REQUIREMENT	******	******	******	******	130 30DA GEO	240 7 DA GEO	#/100mL		Weekly	GRAB
BOD, carbonaceous, 05 day, 20 C 80082 1 0 Effluent Gross	SAMPLE MEASUREMENT	3	4		******	1	2		0	1/7	CP
	PERMIT REQUIREMENT	30 30DA AVG	45 DAILY MX	lb/d	******	10 30DA AVG	15 DAILY MX	mg/L		Weekly	COMP24

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Greg C Heitzman PE Interim 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.	Kevin Mayer	502-540-6000		02/16/2012
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA Code	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
TOTAL NITROGEN - TKN (AS N) AND NITRATE/NITRITE (AS N)

Hunting Creek North

Hunting Cr. No.	Report for	**Jan-12**			Tot. Exc.=	0	(Influent data below.)						
Tot. Flow=	5.709	Concentrations				Pounds							
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	T. Phos	TSS Rem	Tot. N	BOD Rem	
1/1/12	0.164												
1/2/12	0.152												
1/3/12	0.132	3	2	0.67		3.307	2.205	0.739	0.156	0.981013	4.82	0.988827	
1/4/12	0.161				2								
1/5/12	0.147												
1/6/12	0.154												
1/7/12	0.141												
1/8/12	0.141												
1/9/12	0.129												
1/10/12	0.123	10	2	0.28		10.237	2.047	0.287	0.238	0.944444	11.5	0.989189	
1/11/12	0.21				3								
1/12/12	0.196												
1/13/12	0.15												
1/14/12	0.144												
1/15/12	0.144												
1/16/12	0.154												
1/17/12	0.182	5	2	0.39		7.588	3.035	0.592	0.251	0.976415	9.91	0.988701	
1/18/12	0.145				1								
1/19/12	0.149												
1/20/12	0.131												
1/21/12	0.141												
1/22/12	0.141												
1/23/12	0.267	2	2	0.28		4.452	4.452	0.623	0.100	0.992188	15.7	0.988166	
1/24/12	0.182				1								
1/25/12	0.179												
1/26/12	0.359												
1/27/12	0.556												
1/28/12	0.258												
1/29/12	0.215												
1/30/12	0.182												
1/31/12	0.181												
Average	0.184	5.00	2.00	0.41	1.57	6.40	2.93	0.56	0.19	98%	10.5	99%	
Maximum	0.556	10.00	2.00	0.67	3.00	10.24	4.45	0.74	0.25		15.7		
Exceed.	2	0	0	0	0	0	0	0	0	0	0	0	

Hunting Creek North

INFLUENT

		Concentration			Pounds		
Date	Flow	TSS	BOD	NH3	TSS	BOD	NH3
1/1/2012	0.164						
1/2/2012	0.152						
1/3/2012	0.132	158	179	27	174.163	197.311	29.762
1/4/2012	0.161						
1/5/2012	0.147						
1/6/2012	0.154						
1/7/2012	0.141						
1/8/2012	0.141						
1/9/2012	0.129						
1/10/2012	0.123	180	185	21	184.272	189.391	21.498
1/11/2012	0.21						
1/12/2012	0.196						
1/13/2012	0.15						
1/14/2012	0.144						
1/15/2012	0.144						
1/16/2012	0.154						
1/17/2012	0.182	212	177	16	321.738	268.620	24.282
1/18/2012	0.145						
1/19/2012	0.149						
1/20/2012	0.131						
1/21/2012	0.141						
1/22/2012	0.141						
1/23/2012	0.267	256	169	17	569.885	376.213	37.844
1/24/2012	0.182						
1/25/2012	0.179						
1/26/2012	0.359						
1/27/2012	0.556						
1/28/2012	0.258						
1/29/2012	0.215						
1/30/2012	0.182						
1/31/2012	0.181						
Average	0.184	202	178	20.25	312.514	257.884	28.347
Maximum	0.556	256	185	27.00	569.9	376.21	37.844

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

KPDES #	Facility ID	Water Quality Treatement Center	Receiving Stream of Treatment Center	Region
KY0029106	MSD0291	HUNTING CREEK NORTH	HARRODS CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD1060-LS	7501 HUNTING CREEK DR	RIDING RIDGE	HARRODS CREEK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1417279	01/27/12 05:00 AM	SINGLETON	OPS BSHIFT EAST	DOCUMENTED	12/16/00	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	01/27/12 09:50 AM	

Spot Inspections:

Discharge Amount:	7,250 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE & DEBRIS OBSERVED.
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR

Notifications:

01/27/12 05:00 AM	DISPUB	ADVISED PROPERTY OWNER TO AVOID CONTACT WITH SEWAGE
01/30/12 01:38 PM	DISNOT	Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov