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

August 15, 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 July 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 July 2012.

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

There was one exceedence for CBOD this month. At this time, we are not certain of the cause of the elevated CBOD results. All of our process control data of this plant indicates optimum treatment processes are occurring. During the investigation process, we had an independent laboratory analyze non-permitted CBOD process control samples. Those results were within allowable concentration limits. MSD's laboratory personnel are currently investigating their CBOD testing process. As a precaution, we cleaned the chlorine contact tank, replaced sampler tubing and container. MSD will conduct split sampling analysis of CBOD and non-permitted CBOD analyses until a determination is made.

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 07/12.

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	07/01/2012	TO	07/31/2012

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	******	******	******	7	******	******		0	1/1	GR
	PERMIT REQUIREMENT	******	******	******	7 INST MIN	******	******	mg/L		Weekly	GRAB
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	7	******	8		0	1/1	GR
	PERMIT REQUIREMENT	******	******	******	6 MINIMUM	******	9 MAXIMUM	SU		Weekly	GRAB
Solids, total suspended 00530 1 0 Effluent Gross	SAMPLE MEASUREMENT	5	6		******	6	7		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	******	******	******	******	15	17		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 1 Effluent Gross	SAMPLE MEASUREMENT	0.3	0.4		******	0.4	0.6		0	1/7	CP
	PERMIT REQUIREMENT	6 30DA AVG	9 DAILY MX	lb/d	******	2 30DA AVG	3 DAILY MX	mg/L		Weekly	COMP24
Phosphorus, total (as P) 00665 1 0 Effluent Gross	SAMPLE MEASUREMENT	******	******	******	******	0.38	0.51		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	0.109	0.145		******	******	******	******	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 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 Thomas	502-540-6000		08/16/2012
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)

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		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Chlorine, total residual	SAMPLE MEASUREMENT	******	******	******	******	<0.010	<0.010		0	1/1	GR
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	.011 30DA AVG	.019 DAILY MX	mg/L		Weekly	GRAB
E. coli	SAMPLE MEASUREMENT	******	******	******	******	2	24		0	1/7	GR
51040 1 0 Effluent Gross	PERMIT REQUIREMENT	******	******	******	******	130 30DA GEO	240 7 DA GEO	#/100mL		Weekly	GRAB
BOD, carbonaceous, 05 day, 20 C	SAMPLE MEASUREMENT	6	16		******	7	19		1	1/7	CP
80082 1 0 Effluent Gross	PERMIT REQUIREMENT	30 30DA AVG	45 DAILY MX	lb/d	******	10 30DA AVG	15 DAILY MX	mg/L		Weekly	COMP24

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See cover letter for explanation of exceedences

Hunting Creek North

Hunting Cr. No.	Report for	Jul-12			Tot. Exc.=	1 VIOLATION				
Tot. Flow=	3.373	Concentrations				Pounds				
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	T. Phos	Tot. N
7/1/12	0.134									
7/2/12	0.103	7	19	0.5		6.041	16.397	0.432	0.361	15.2
7/3/12	0.093				24					
7/4/12	0.107									
7/5/12	0.104									
7/6/12	0.103									
7/7/12	0.117									
7/8/12	0.117									
7/9/12	0.09	5	5	0.56		3.759	3.759	0.421	0.510	13.1
7/10/12	0.104				1					
7/11/12	0.099									
7/12/12	0.102									
7/13/12	0.097									
7/14/12	0.112									
7/15/12	0.112									
7/16/12	0.1	5	2	0.28		4.165	1.666	0.233	0.345	14.9
7/17/12	0.106				1					
7/18/12	0.126									
7/19/12	0.117									
7/20/12	0.107									
7/21/12	0.101									
7/22/12	0.096									
7/23/12	0.103	6	2	0.22		5.134	1.711	0.188	0.316	17.2
7/24/12	0.117				1					
7/25/12	0.134									
7/26/12	0.125									
7/27/12	0.145									
7/28/12	0.109									
7/29/12	0.099									
7/30/12	0.113									
7/31/12	0.082									
Average	0.109	5.75	7.00	0.39	2.21	4.77	5.88	0.32	0.38	15.1
Maximum	0.145	7.00	19.00	0.56	24.00	6.04	16.40	0.43	0.51	17.2
Exceed.	0	0	1	0	0	0	0	0	0	0
DailyMX		0	1	0	0	0	0	0	0	
MoAVG		0	0	0	0	0	0	0	0	0