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

January 20, 2010

Ms. Carolena Bentley
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

Re: MSD Metro Operations
Timberlake WQTC; KPDES No.: KY0043087
Discharge Monitoring Reports – December 2009

Dear Ms. Bentley,

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Timberlake WQTC, KPDES No.: KY0043087 for the month of December 2009.

During this reporting period, this plant experienced exceedences for dissolved metals. Due to an oversight, the samples were only analyzed by MSD's laboratory for recoverable metals. Upon discovery of this omission in January of 2010, MSD re-sampled this plant for dissolved metals as well as total recoverable metals and have sent the samples to the laboratory to be analyzed. The results are currently pending.

MSD will implement a procedure to prevent recurrence of this exceedence.

There are no 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,

D.J.Rheinlaender
Process Supervisor, East Region

DJR/Timberlake 0110

Enclosures

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

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME TIMBERLAKE WQTC MSD
ADDRESS C/O CEDAR CREEK WQTC
6405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY TIMBERLAKE WQTC MSD
LOCATION PROSPECT KY 40059
ATTN: DENNIS THOMASSON, SR METRO OPS

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

KY0043087	001 2
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	97	12	01	TO	97	12	31

MINOR
(SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE
EFFLUENT
*** NO DISCHARGE [ ] ***

JEFFE

Form Approved.
OMB No. 2040-0004

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
OXYGEN, DISSOLVED (DO) 00300 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		8	*******	*******	(19) MG/L	0	1/7 WEEKLY	GR GRAB
	PERMIT REQUIREMENT	*******	*******	*** ****	INST MIN	*******	*******				
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		6.3	*******	6.5	(12) SU	0	1/7 WEEKLY	GR GRAB
	PERMIT REQUIREMENT	*******	*******	*** ****	6.0 MINIMUM	*******	9.0 MAXIMUM				
SOLIDS, TOTAL SUSPENDED 00530 3 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	99	137	(26) LBS/DY	*******	154	194	(19) MG/L	0	1/7 WEEKLY	CP COMPOS
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV		*******	REPORT MO AVG	REPORT MX WK AV				
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	4.9	9.0	(26) LBS/DY	*******	7	14	(19) MG/L	0	1/7 WEEKLY	CP COMPOS
	PERMIT REQUIREMENT	50.0 MO AVG	75.0 MX WK AV		*******	30 MO AVG	45 MX WK AV				
NITROGEN, AMMONIA TOTAL (AS N) 00610 3 0 0 RAW SEW/INFLUENT	SAMPLE MEASUREMENT	13	14	(26) LBS/DY	*******	21	32	(19) MG/L	0	1/7 WEEKLY	CP COMPOS
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV		*******	REPORT MO AVG	REPORT MX WK AV				
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.2	0.5	(26) LBS/DY	*******	0.3	1.2	(19) MG/L	0	1/7 WEEKLY	CP COMPOS
	PERMIT REQUIREMENT	5 MO AVG	15 MX WK AV		*******	3 MO AVG	4.5 MX WK AV				
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	*******		*******	0.54	1.73	(19) MG/L	0	5/31 MONTH	CP COMPOS
	PERMIT REQUIREMENT	*******	*******	*** ****	*******	REPORT MO AVG	REPORT MX WK AV				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
H. J. Sheuder, Jr.	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.					
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY
		502	540 6000	10	1	13

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

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LOCATION PROSPECT KY 40059
ATTN: DENNIS THOMASSON, SR METRO OPS

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

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
KY0043087	001 2

MINOR
(SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE
EFFLUENT
*** NO DISCHARGE [ ] ***
JEFFE

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	[illegible]	[illegible]	[illegible]	TO	[illegible]	[illegible]	[illegible]

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FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.095	0.750	(03)	******	******	******		0	C/N	C/N
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	CONTINUOUS
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	******	******		******	<0.010	<0.010	(19)	0	1/7	GR
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	0.011 30DA AVG	0.019 DAILY MX	MG/L		WEEKLY	GRAB
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	******	******		******	1	1	(13)	0	1/7	GR
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	200 30DA GEO	400 7 DA GEO	#/100ML		WEEKLY	GRAB
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	125	144	(26)	******	189	265	(19)	0	1/7	CP
80082 G 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		WEEKLY	COMPOS
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	3	6	(26)	******	4	9	(19)	0	1/7	CP
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	17 MO AVG	25 MX WK AV	LBS/DY	******	10 MO AVG	15 MX WK AV	MG/L		WEEKLY	COMPOS
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMVL	SAMPLE MEASUREMENT	******	******		98	******	******	(23)	0	1/31	CA
80091 K 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	******	******	**** ****	85 MO MIN	******	******	PERCENT		ONCE/MONTH	CALCTD
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	******	******		95	******	******	(23)	0	1/31	CA
81011 K 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	******	******	**** ****	85 MO MIN	******	******	PERCENT		ONCE/MONTH	CALCTD

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Exec Dir
H. J. Schardein Jr

TYPED OR PRINTED

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[signature]

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
[illegible]	[illegible]	10	1	13
AREA CODE	NUMBER	YEAR	MO	DAY

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

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FACILITY TIMBERLAKE WQTC MSD

LOCATION PROSPECT KY 40059

ATTN: DENNIS THOMASSON, SR METRO OPS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*

DISCHARGE MONITORING REPORT *(DMR)*

KY0043087	001 M
PERMIT NUMBER	DISCHARGE NUMBER

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	09	01	01	TO	09	12	31

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

JEFFE

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HARDNESS, TOTAL (AS CACO3)	SAMPLE MEASUREMENT	******	******		******	—	—	(19)	1	1/YR	CP
00900 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
CADMIUM, DISSOLVED (AS CD)	SAMPLE MEASUREMENT	******	******		******	—	—	(19)	1	1/YR	CP
01025 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
COPPER, DISSOLVED (AS CU)	SAMPLE MEASUREMENT	******	******		******	—	—	(19)	1	1/YR	CP
01040 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
LEAD, DISSOLVED (AS PB)	SAMPLE MEASUREMENT	******	******		******	—	—	(19)	1	1/YR	CP
01049 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
ZINC, DISSOLVED (AS ZN)	SAMPLE MEASUREMENT	******	******		******	—	—	(19)	1	1/YR	CP
01090 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
ZINC TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	******		******	0.060	0.060	(19)	0	1/YR	CP
01094 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
CADMIUM TOTAL RECOVERABLE	SAMPLE MEASUREMENT	******	******		******	0.003	0.003	(19)	0	1/YR	CP
01113 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS

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Exec. Dir.

[illegible signature]

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[illegible signature]

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502	540-6000	10	1	14
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KY0043087	001 M

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	[illegible]	[illegible]	[illegible]	TO	[illegible]	[illegible]	[illegible]

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

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
LEAD TOTAL RECOVERABLE 01114 1 0 0	SAMPLE MEASUREMENT	******	******		******	0.005	0.005	(19)	0	1/YR	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
COPPER TOTAL RECOVERABLE 01119 1 0 0	SAMPLE MEASUREMENT	******	******		******	0.023	0.023	(19)	0	1/YR	CP
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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[illegible]

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TELEPHONE		DATE		
502	54[illegible]	10	1	14
AREA CODE	NUMBER	YEAR	MO	DAY

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

Timberlake

Timberlake		Report for	Dec-09			Tot. Exc.=	0	(Influent data below.)				
Tot. Flow=	2.938		Concentrations					Pounds				
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	TSS Rem	BOD Rem	
12/1/09	0.058											
12/2/09	0.07	14	2	0.056	1	8.173	1.168	0.033	0.734	0.787879	0.982759	
12/3/09	0.061											
12/4/09	0.06											
12/5/09	0.058											
12/6/09	0.063											
12/7/09	0.065											
12/8/09	0.065											
12/9/09	0.098	11	2	0.055	1	8.991	1.635	0.045	0.444	0.934524	0.990148	
12/10/09	0.055											
12/11/09	0.061											
12/12/09	0.076											
12/13/09	0.083											
12/14/09	0.071											
12/15/09	0.067											
12/16/09	0.054	2	2	1.2	1	0.901	0.901	0.540	0.338	0.989691	0.988372	
12/17/09	0.063											
12/18/09	0.075											
12/19/09	0.1											
12/20/09	0.058											
12/21/09	0.079											
12/22/09	0.076								0.496			
12/23/09	0.085	2	9	0.055	1	1.418	6.380	0.039		0.989362	0.966038	
12/24/09	0.094											
12/25/09	0.089											
12/26/09	0.083											
12/27/09	0.076											
12/28/09	0.75											
12/29/09	0.075								0.666			
12/30/09	0.081											
12/31/09	0.089											
Average	0.095	7.25	3.75	0.34	1.00	4.87	2.52	0.16	0.54	95%	98%	
Maximum	0.750	14.00	9.00	1.20	1.00	8.99	6.38	0.54	0.73			
Exceed.	1	0	0	0	0	0	0	0		1	0	
		0	0	0	0	0	0	0				
		0	0	0	0	0	0	0		0	0	
Minimum	0.054	MIN	MAX									
	DO (min)											

Timberlake

data

INFLUENT

		Concentration			Pounds		
Date	Flow	TSS	BOD	NH3	TSS	BOD	NH3
12/1/2009	0.058						
12/2/2009	0.07	66	116	17	38.531	67.721	9.925
12/3/2009	0.061						
12/4/2009	0.06						
12/5/2009	0.058						
12/6/2009	0.063						
12/7/2009	0.065						
12/8/2009	0.065						
12/9/2009	0.098	168	203	16	137.310	165.916	13.077
12/10/2009	0.055						
12/11/2009	0.061						
12/12/2009	0.076						
12/13/2009	0.083						
12/14/2009	0.071						
12/15/2009	0.067						
12/16/2009	0.054	194	172	32	87.370	77.462	14.412
12/17/2009	0.063						
12/18/2009	0.075						
12/19/2009	0.1						
12/20/2009	0.058						
12/21/2009	0.079						
12/22/2009	0.076						
12/23/2009	0.085	188	265	19	133.273	187.859	13.469
12/24/2009	0.094						
12/25/2009	0.089						
12/26/2009	0.083						
12/27/2009	0.076						
12/28/2009	0.75						
12/29/2009	0.075						
12/30/2009	0.081						
12/31/2009	0.089						
Average	0.095	154.00	189.00	21.00	99.12	124.74	12.72
Maximum	0.750	194.00	265.00	32.00	137.31	187.86	14.41