



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
Timber Lake WQTC; KPDES No.: KY 0043087
Discharge Monitoring Reports for Dec. 2011.**

Dear Ms. Edwards:

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Timber Lake WQTC; KPDES No.: KY0043087 for the month of Dec. 2011..

There were no exceedences, overflows or bypasses to report this month.

The Annual Metal's DMR is attached also.

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/ Timber Lake 12.11

Enclosures

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



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

NAME **TIMERLAKE WQTC MSD**
ADDRESS **C/O CEDAR CREEK WQTC**
5405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY **TIMBERLAKE WQTC MSD**
LOCATION **PROSPECT KY 40057**
ATTN: **DENNIS THOMASSON, SR METRO OPS**

KY0043087
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MINOR
(SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE
EFFLUENT
*** NO DISCHARGE 1 ***
JEFF

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	12	01		11	12	31

NOTE: Read Instructions before completing this form.

PARAMETER	X	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	1/1	Gr
00300 1 0 0 EFFLUENT GROSS VALUE		*****	*****	***	7	*****	*****			WEEKLY	GRAB
PH		*****	*****		7.0	*****	8.0	(12)	0	1/1	Gr
00400 1 0 0 EFFLUENT GROSS VALUE		*****	*****	***	6.0	*****	9.0			WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED		176	309	(26)	*****	288	570	(19)	0	1/7	CP
00530 @ 0 0 RAW SEW/INFLUENT		REPORT	REPORT		*****	REPORT	REPORT			WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED		5	11	(26)	*****	9	15	(19)	0	1/7	CP
00530 1 0 0 EFFLUENT GROSS VALUE		50.0	75.0		*****	30	45			WEEKLY	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)		17	23	(26)	*****	28	32	(19)	0	1/7	CP
00610 @ 0 0 RAW SEW/INFLUENT		REPORT	REPORT		*****	REPORT	REPORT			WEEKLY	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)		0.3	0.3	(26)	*****	0.4	0.6	(19)	0	1/7	CP
00610 1 2 0 EFFLUENT GROSS VALUE		3	12		*****	5	7.5			WEEKLY	COMPOS
PHOSPHORUS, TOTAL (AS P)		*****	*****		*****	0.60	0.96	(19)	0	1/7	CP
00665 1 0 0 EFFLUENT GROSS VALUE		*****	*****	***	*****	REPORT	REPORT			TWICE/MONTH	COMPOS
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.				Richard Mills			TELEPHONE	DATE		
Greg Heitzman Executive Director					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			502,540-6000	12	1	13
TYPED OR PRINTED								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 **TIMERLAKE WQTC MSD**
 ADDRESS **C/D CEDAR CREEK WQTC**
8405 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	TO	YEAR	MO	DAY
11	12	01		11	12	31

MINOR (SUBR LV)
 F - FINAL
 MUNICIPAL DISCHARGE EFFLUENT
 *** NO DISCHARGE: ***
 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	0.080	0.219	(G3)	*****	*****	*****		0	CN	CN	
50050 1 0 0 EFFLUENT GROSS VALUE	REPORT	REPORT		*****	*****	*****	***		CONTING	CONTIN	
30DA AVG DAILY MX MGD	PERMIT REQUIREMENT	30DA AVG	DAILY MX MGD	*****	*****	*****	****		UOUS		
CHLORINE, TOTAL RESIDUAL	*****	*****		*****	20.010	20.010	(19)	0	1/1	Gr.	
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	0.011	0.019	MG/L		WEEKLY	GRAB	
30DA AVG DAILY MX	SAMPLE MEASUREMENT	*****	*****	*****	9	22	(13)	0	1/7	Gr.	
COLIFORM, FECAL GENERAL	PERMIT REQUIREMENT	*****	*****	*****	200	400 #/			WEEKLY	GRAB	
74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	135	191	(26)	*****	221	353	(19)	0	1/7	CP
BOD, CARBONACEOUS 05 DAY, 20C	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT		WEEKLY	COMPOS	
80082 0 0 0 RAW SEW/INFLUENT	MD AVG	MX WK AV	LBS/DY	*****	4	5	(19)	0	1/7	CP	
BOD, CARBONACEOUS 05 DAY, 20C	SAMPLE MEASUREMENT	2	3	(24)	*****	10	15		WEEKLY	COMPOS	
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	17	25		*****	MD AVG	MX WK AV	MG/L			
30DA AVG	SAMPLE MEASUREMENT	*****	*****		98	*****	*****	(23)	0	1/31	CA
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMVL	PERMIT REQUIREMENT	*****	*****		85	*****	*****	PER-CENT		ONCE/ CALCTD	
80091 K 0 0 PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		97	*****	*****	(23)	0	1/31	CA
SOLIDS, SUSPENDED PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****		85	*****	*****	PER-CENT		ONCE/ CALCTD	
81011 K 0 0 PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		85	*****	*****	PER-CENT		ONCE/ CALCTD	
81011 K 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****		85	*****	*****	PER-CENT		ONCE/ CALCTD	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER <i>Greg Heltzman</i> 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.	<i>Richard Mills</i>	TELEPHONE		DATE		
			502	540-6000	12	1	13
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

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

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ATTN: **DENNIS THOMASSON, SR METRO OPS**

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EFFLUENT
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MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	01	01		11	12	31

FROM

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
HARDNESS, TOTAL (AS CaCO3) 00900 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	199	199	(19)	0	1/yr.	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT MD AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
CADMIUM, DISSOLVED (AS CD) 01025 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.003	0.003	(19)	0	1/yr.	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT MD AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
COPPER, DISSOLVED (AS CU) 01040 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.042	0.042	(19)	0	1/yr.	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT MD AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
LEAD, DISSOLVED (AS PB) 01049 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.008	0.008	(19)	0	1/yr.	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT MD AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
ZINC, DISSOLVED (AS ZN) 01090 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.060	0.060	(19)	0	1/yr.	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT MD AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.060	0.060	(19)	0	1/yr.	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT MD AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
CADMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0.003	0.003	(19)	0	1/yr.	CP
	PERMIT REQUIREMENT	*****	*****	***	*****	REPORT MD AVG	REPORT DAILY MX	MG/L		ANNUAL	COMPOS
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TYPED OR PRINTED						SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR	MO
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)					Richard Mills		502	540-6000	12	1	13

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

MINOR
(SUBR LV)
F - FINAL

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LOCATION **PROSPECT**

KY 40059

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DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	01	01		11	12	31

METALS MONITORING
EFFLUENT

*** NO DISCHARGE !!!

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT ***** PERMIT REQUIREMENT *****	*****	*****	*****	*****	0.008	0.008	(17) MG/L	0	1/yr	CP
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT ***** PERMIT REQUIREMENT *****	*****	*****	*****	*****	0.050	0.050	(17) MG/L	0	1/yr	CP
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Greg Heitzman
Executive Director
TYPED OR PRINTED

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Richard Mitts
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)

Timberlake

Date	Flow	INFLUENT Concentration			Pounds		
		TSS	BOD	NH3	TSS	BOD	NH3
12/1/2011	0.06274						
12/2/2011	0.05728						
12/3/2011	0.07409						
12/4/2011	0.08615	168	145	32	120.706	104.181	22.992
12/5/2011	0.21868						
12/6/2011	0.12108						
12/7/2011	0.08642						
12/8/2011	0.07965						
12/9/2011	0.07214						
12/10/2011	0.06443						
12/11/2011	0.05974	94	161	28	46.834	80.215	13.950
12/12/2011	0.05581						
12/13/2011	0.06188						
12/14/2011	0.06685						
12/15/2011	0.06929						
12/16/2011	0.07						
12/17/2011	0.06973						
12/18/2011	0.06504	570	353	28	309.187	191.479	15.188
12/19/2011	0.07095						
12/20/2011	0.07469						
12/21/2011	0.09283						
12/22/2011	0.09288						
12/23/2011	0.08603	318	226	22	228.162	162.153	15.785
12/24/2011	0.08174						
12/25/2011	0.0659						
12/26/2011	0.07615						
12/27/2011	0.09327						
12/28/2011	0.08118						
12/29/2011	0.07691						
12/30/2011	0.08481						
12/31/2011	0.07491						
Average	0.080	287.50	221.25	27.50	176.22	134.51	16.98
Maximum	0.219	570.00	353.00	32.00	309.19	191.48	22.99

