

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

April 26, 2011

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

**Re: MSD Metro Operations
Timberlake WQTC; KPDES No.: KY0043087
Discharge Monitoring Reports for March, 2011**

Dear Ms. Thompson:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Timberlake WQTC, KPDES No.: KY0043087 for the month of March, 2011.

During the month of March, we were unable to sample the week 3/8/11 through 3/14/11 or the week of 3/15/11 through 3/21/11 due to flood water submerging the chlorine contact tank. The V-Notch weir was submerged during these time periods.

There were 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/Timberlake 3 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)

NAME **TIMERLAKE WQTC MSD**
 ADDRESS **C/O 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

MINOR (SUBR LV)
 F - FINAL
 MUNICIPAL DISCHARGE
 EFFLUENT

JEFFE

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	03	01		11	03	31

*** NO DISCHARGE **K** ***

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)		*****	*****		10	*****	*****	(19)	0	3/31	GR
00300 1 0 0	PERMIT REQUIREMENT	*****	*****	****	7	*****	*****			WEEKLY	GRAS
EFFLUENT GROSS VALUE				****	INST MIN			MG/L			
PH		*****	*****		6.9	*****	7.2	(12)	0	3/31	GR
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	****	5.0	*****	9.0			WEEKLY	GRAS
EFFLUENT GROSS VALUE				****	MINIMUM		MAXIMUM	SU			
SOLIDS, TOTAL SUSPENDED		130	171	(25)	*****	233	306	(19)	0	2/31	CP
00530 6 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT			WEEKLY	COMPOS
RAW SEW/INFLUENT		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
SOLIDS, TOTAL SUSPENDED		8.3	10.1	(25)	*****	15	18	(19)	0	2/31	CP
00530 1 0 0	PERMIT REQUIREMENT	50.0	75.0		*****	30	45			WEEKLY	COMPOS
EFFLUENT GROSS VALUE		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
NITROGEN, AMMONIA TOTAL (AS N)		13	15	(25)	*****	24	26	(19)	0	2/31	CP
00610 6 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT			WEEKLY	COMPOS
RAW SEW/INFLUENT		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
NITROGEN, AMMONIA TOTAL (AS N)		0.2	0.2	(25)	*****	0.3	0.3	(19)	0	2/31	CP
00610 1 2 0	PERMIT REQUIREMENT	8	12		*****	5	7.5			WEEKLY	COMPOS
EFFLUENT GROSS VALUE		MO AVG	MX WK AV	LBS/DY		MO AVG	MX WK AV	MG/L			
PHOSPHORUS, TOTAL (AS P)		*****	*****		*****	0.5	0.5	(19)	0	3/31	CP
00665 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT			TWICE/MONTH	COMPOS
EFFLUENT GROSS VALUE				****		MO AVG	MX WK AV	MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H-J. Schardein Jr.
 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 **502 540-6000**
 DATE **11 4 27**
 AREA CODE NUMBER YEAR MO DAY

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

(See cover letter for Explanation of Frequency of Analysis)

NAME **TIMERLAKE WQTC MSD**
 ADDRESS **C/O CEDAR CREEK WQTC**
8405 CEDAR CREEK RD
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KY0043087
 PERMIT NUMBER

001 2
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MINOR
 (SUBR LV)
 F - FINAL
 MUNICIPAL DISCHARGE
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 *** NO DISCHARGE (K) ***
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MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
11	03	01		11	03	31

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	0-685	1.720	(03)	*****	*****	*****		0	CN	CN	
50050 1 0 0	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		CN	
EFFLUENT GROSS VALUE								****		UDUS	
CHLORINE, TOTAL RESIDUAL	*****	*****		*****	*****	*****		0	3/31	GR	
50060 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****		*****		WEEKLY GRAB	
EFFLUENT GROSS VALUE					20001	20.001	(17)	0	3/31	GR	
COLIFORM, FECAL GENERAL	*****	*****		*****	*****	*****		0	2/31	GR	
74055 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****		*****		WEEKLY GRAB	
EFFLUENT GROSS VALUE					1	1	(13)	0	2/31	GR	
BOD, CARBONACEOUS 05 DAY, 20C	103	117	(26)	*****	*****	*****		0	2/31	CP	
80082 0 0 0	PERMIT REQUIREMENT	REPORT MO AVG	REPORT MX WK AV	LRB/DY	*****	*****		*****		WEEKLY COMPOS	
RAW SEW/INFLUENT					MO AVG	MX WK AV	MG/L				
BOD, CARBONACEOUS 05 DAY, 20C	3	3	(26)	*****	*****	*****		0	2/31	CP	
80082 1 0 0	PERMIT REQUIREMENT	17	25	*****	*****	*****		*****		WEEKLY COMPOS	
EFFLUENT GROSS VALUE					MO AVG	MX WK AV	MG/L				
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMOVAL	*****	*****		*****	*****	*****		0	1/31	CA	
80091 K 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****		*****		ONCE/ CALCD MONTH	
PERCENT REMOVAL					97	95	(23)	0	1/31	CA	
SOLIDS, SUSPENDED PERCENT REMOVAL	*****	*****		*****	*****	*****		0	1/31	CA	
81011 K 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****		*****		ONCE/ CALCD MONTH	
PERCENT REMOVAL					94	85	(23)	0	1/31	CA	
					MO MIN	MO MIN	PER-CENT				

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			
TYPED OR PRINTED			502.540-1000	11	4	27	
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 (See cover letter for explanation of Frequency of Analysis)

Timberlake

INFLUENT

Date	Flow	Concentration			Pounds		
		TSS	BOD	NH3	TSS	BOD	NH3
3/1/2011	0.072						
3/2/2011	0.066	160	160	21	88.070	88.070	11.559
3/3/2011	0.062						
3/4/2011	0.155						
3/5/2011	0.836						
3/6/2011	1.495						
3/7/2011	1.391						
3/8/2011	1.72						
3/9/2011	1.332						
3/10/2011	1.328						
3/11/2011	1.495						
3/12/2011	1.494						
3/13/2011	1.432						
3/14/2011	1.496						
3/15/2011	1.495						
3/16/2011	1.494						
3/17/2011	1.413						
3/18/2011	1.272						
3/19/2011	0.316						
3/20/2011	0.074						
3/21/2011	0.168						
3/22/2011	0.065						
3/23/2011	0.067	306	210	26	170.987	117.344	14.528
3/24/2011	0.066						
3/25/2011	0.066						
3/26/2011	0.071						
3/27/2011	0.061						
3/28/2011	0.056						
3/29/2011	0.054						
3/30/2011	0.062						
3/31/2011	0.054						
Average	0.685	233.00	185.00	23.50	129.53	102.71	13.04
Maximum	1.720	306.00	210.00	26.00	170.99	117.34	14.53

Timberlake

Timberlake	Report for	Mar-11		Tot. Exc.=		0 (Influent data below.)					
Tot. Flow=	21.228	Concentrations				Pounds					
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	TSS Rem	BOD Rem
3/1/11	0.072										
3/2/11	0.066	12	4	0.28	1	6.605	2.202	0.154	0.412	0.925	0.975
3/3/11	0.062										
3/4/11	0.155										
3/5/11	0.836										
3/6/11	1.495										
3/7/11	1.391										
3/8/11	1.72										
3/9/11	1.332										
3/10/11	1.328										
3/11/11	1.495										
3/12/11	1.494										
3/13/11	1.432										
3/14/11	1.496										
3/15/11	1.495										
3/16/11	1.494										
3/17/11	1.413										
3/18/11	1.272										
3/19/11	0.316										
3/20/11	0.074										
3/21/11	0.168										
3/22/11	0.065										
3/23/11	0.067	18	6	0.28	1	10.058	3.353	0.156	0.435	0.941176	0.971429
3/24/11	0.066										
3/25/11	0.066										
3/26/11	0.071										
3/27/11	0.061										
3/28/11	0.056										
3/29/11	0.054										
3/30/11	0.062								0.517		
3/31/11	0.054										
Average	0.685	15.00	5.00	0.28	1.00	8.33	2.78	0.16	0.45	94%	97%
Maximum	1.720	18.00	6.00	0.28	1.00	10.06	3.35	0.16	0.52		