



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

May 25, 2011

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

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

Dear Ms. Edwards:

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

We were unable to sample the weeks of 4/8/11 through 4/14/11, 4/15/11 through 4/21/11 and 4/22/11 through 4/30/11, due to flood waters submerging the chlorine contact tank & V-notch weir.


There was one exceedence for TSS % removal. We met our limit on TSS concentration for the monthly and weekly average. Upon investigation, we found the influent TSS to be lower than expected. We were not able to conduct sampling to get our TSS % removal average increased, due to the V-notch weir being submerged.

There was also an exceedence for NH3 monthly average. At this time, we are uncertain of the cause, but believe the lagoon turned over with the change of the seasons.

There were no overflow or bypass reports for this month.

We are resubmitting the cover letter and the two pages of the DMR as there were no comments in the comments section and the K code was not entered for flooding of the treatment plant.

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 4.11

Enclosures

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



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

NAME **TIMBERLAKE 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 THOMASSEN, SR METRO OPS**

**KY0043087**  
PERMIT NUMBER

**001 2**  
DISCHARGE NUMBER

MINOR  
(SUBR LV)  
F - FINAL  
MUNICIPAL DISCHARGE  
EFFLUENT  
\*\*\* NO DISCHARGE **(K)** \*\*\*

JEFF

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	11	04	01		11	04	30

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)	*****	*****			9	*****	*****	( 19)	0	3/30	CR
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	7	*****	*****	MG/L		WEEKLY	MONTH
PH	*****	*****			6.6	*****	6.9	( 12)	0	3/30	CR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0	MINIMUM MAXIMUM		WEEKLY	MONTH
SOLIDS, TOTAL SUSPENDED	*****	*****		( 26)	*****	76	76	( 19)	0	1/30	CP
00500 0 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT	REPORT	LBS/DY	*****	REPORT	REPORT	MG/L		WEEKLY	MONTH
SOLIDS, TOTAL SUSPENDED	*****	*****		( 26)	*****	13	13	( 19)	0	1/30	CP
00500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	DO 0	75.0	LBS/DY	*****	50	45	MG/L		WEEKLY	MONTH
NITROGEN, AMMONIA TOTAL (AS N)	*****	*****		( 26)	*****	25	25	( 19)	0	1/30	CP
00610 0 0 0 RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT	REPORT	LBS/DY	*****	REPORT	REPORT	MG/L		WEEKLY	MONTH
NITROGEN, AMMONIA TOTAL (AS N)	*****	*****		( 26)	*****	7	6.8	( 19)	1	1/30	CP
00610 1 2 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	2	7.5	LBS/DY	*****	5	7.5	MG/L		WEEKLY	MONTH
PHOSPHORUS, TOTAL (AS P)	*****	*****		( 19)	*****	0.5	0.5	( 19)	0	1/30	CP
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L		WEEKLY	MONTH

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
**H.J. Schorlein Jr.**  
**Exec. Director**  
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 5 25**  
AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) **see COVER LETTER FOR EXPLANATION OF EXCEEDANCE**



Timberlake

Date	Flow	INFLUENT Concentration			Pounds		
		TSS	BOD	NH3	TSS	BOD	NH3
4/1/2011	0.064						
4/2/2011	0.057						
4/3/2011	0.068						
4/4/2011	0.091						
4/5/2011	0.063	76	134	25	39.932	70.406	13.136
4/6/2011	0.06						
4/7/2011	0.057						
4/8/2011	0.063						
4/9/2011	0.087						
4/10/2011	0.082						
4/11/2011	0.128						
4/12/2011	0.747						
4/13/2011	1.257						
4/14/2011	1.494						
4/15/2011	1.494						
4/16/2011	1.494						
4/17/2011	1.388						
4/18/2011	0.229						
4/19/2011	0.391						
4/20/2011	1.494						
4/21/2011	1.325						
4/22/2011	1.494						
4/23/2011	1.423						
4/24/2011	1.493						
4/25/2011	1.494						
4/26/2011	1.494						
4/27/2011	1.494						
4/28/2011	1.494						
4/29/2011	1.494						
4/30/2011	1.494						
5/1/2011							
Average	0.850	76.00	134.00	25.00	39.93	70.41	13.14
Maximum	1.494	76.00	134.00	25.00	39.93	70.41	13.14

Timberlake

Timberlake	Report for	Apr-11		Tot. Exc.=		0 VIOLATION					
Tot. Flow=	25.507	Concentrations				Pounds					
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	TSS Rem	BOD Rem
4/1/11	0.064										
4/2/11	0.057										
4/3/11	0.068										
4/4/11	0.091										
4/5/11	0.063	13	8	6.8	1	6.830	4.203	3.573	0.466	0.828947	0.940299
4/6/11	0.06										
4/7/11	0.057										
4/8/11	0.063										
4/9/11	0.087										
4/10/11	0.082										
4/11/11	0.128										
4/12/11	0.747										
4/13/11	1.257										
4/14/11	1.494										
4/15/11	1.494										
4/16/11	1.494										
4/17/11	1.388										
4/18/11	0.229										
4/19/11	0.391				4						
4/20/11	1.494										
4/21/11	1.325										
4/22/11	1.494										
4/23/11	1.423										
4/24/11	1.493										
4/25/11	1.494										
4/26/11	1.494										
4/27/11	1.494										
4/28/11	1.494										
4/29/11	1.494										
4/30/11	1.494										
5/1/11											
Average	0.850	13.00	8.00	6.80	2.00	6.83	4.20	3.57	0.47	83%	94%
Maximum	1.494	13.00	8.00	6.80	4.00	6.83	4.20	3.57	0.47		