

R/S

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

February 10, 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 January 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 January 2011.

There are 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 1 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)

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

Form Approved.
OMB No. 2040-0004

NAME **TIMERLAKE WQTC MSD**
ADDRESS **C/O CEDAR CREEK WQTC**
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY **TIMBERLAKE WQTC MSD**
LOCATION **PROSPECT KY 40057**
ATTN: **DENNIS THOMASSON, SR METRO GPS**

KY0043087
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MINOR
(SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE
EFFLUENT
*** NO DISCHARGE 1 ***
NOTE: Read Instructions before completing this form.

JEFFI

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

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) 00300 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	7	*****	*****	(19)	0	1/7	GR
PH	*****	*****	*****	*****	6.8	*****	7.1	(12)	0	1/7	GR
00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	6.0	*****	7.0	MINIMUM MAXIMUM	SU	WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 0 0 0 RAW SEW/INFLUENT	377	742	(26)	*****	698	1458	(19)	0	1/7	CP	
00530 1 0 0 EFFLUENT GROSS VALUE	REPORT	REPORT	MD AVG MX WK AV	LBS/DY	REPORT	REPORT	MD AVG MX WK AV	MG/L	WEEKLY	COMPOS	
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	10.2	14.8	(26)	*****	18	24	(19)	0	1/7	CP	
00530 1 0 0 EFFLUENT GROSS VALUE	50.0	75.0	MD AVG MX WK AV	LBS/DY	30	45	MD AVG MX WK AV	MG/L	WEEKLY	COMPOS	
NITROGEN, AMMONIA TOTAL (AS N) 00610 0 0 0 RAW SEW/INFLUENT	16	17	(26)	*****	28	29	(19)	0	1/7	CP	
00610 0 0 0 RAW SEW/INFLUENT	REPORT	REPORT	MD AVG MX WK AV	LBS/DY	REPORT	REPORT	MD AVG MX WK AV	MG/L	WEEKLY	COMPOS	
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0 EFFLUENT GROSS VALUE	0.2	0.4	(26)	*****	0.3	0.8	(19)	0	1/7	CP	
00610 1 2 0 EFFLUENT GROSS VALUE	8	12	MD AVG MX WK AV	LBS/DY	5	7.5	MD AVG MX WK AV	MG/L	WEEKLY	COMPOS	
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	0.6	0.8	(19)	0	1/7	CP	
00665 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	REPORT	REPORT	MD AVG MX WK AV	MG/L	TWICE/MONTH	COMPOS	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.S. Schardel Jr.
Executive 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 2 10**
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)

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

MINOR

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**

KY0043087
PERMIT NUMBER

001 2
DISCHARGE NUMBER

(SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE
EFFLUENT

JEFFI

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

*** 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 50050 1 0 0 EFFLUENT GROSS VALUE		0.067	0.098	(G3)	*****	*****	*****		0	CN	CN	
	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTINUOUS	CONTINUOUS	
CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	20.010	20.010	(19)	0	1/7	GR	
	PERMIT REQUIREMENT	*****	*****	****	*****	0.011 30DA AVG	0.019 DAILY MX	MG/L		WEEKLY GRAB		
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE		*****	*****		*****	1	2	(13)	0	1/7	GR	
	PERMIT REQUIREMENT	*****	*****	****	*****	200 30DA GEO	400 #/ 7 DA GEO	10OML		WEEKLY GRAB		
BOD, CARBONACEOUS 05 DAY, 20C 80082 0 0 0 RAW SEW/INFLUENT		219	278	(26)	*****	396	546	(19)	0	1/7	CP	
	PERMIT REQUIREMENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV	MG/L		WEEKLY COMPOS		
BOD, CARBONACEOUS 05 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE		4	6	(26)	*****	6	10	(19)	0	1/7	CP	
	PERMIT REQUIREMENT	17 MD AVG	25 MX WK AV	LBS/DY	*****	10 MD AVG	15 MX WK AV	MG/L		WEEKLY COMPOS		
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMOVAL 80091 K 0 0 PERCENT REMOVAL		*****	*****		98	*****	*****	(23)	0	1/31	CA	
	PERMIT REQUIREMENT	*****	*****	****	85 MD MIN	*****	*****	PER-CENT		ONCE/ MONTH	CALCUL	
SOLIDS, SUSPENDED PERCENT REMOVAL 81011 K 0 0 PERCENT REMOVAL		*****	*****		97	*****	*****	(23)	0	1/31	CA	
	PERMIT REQUIREMENT	*****	*****	****	85 MD MIN	*****	*****	PER-CENT		ONCE/ MONTH	CALCUL	
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			
145 Schardew St - Executive Director					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			502.540-6000	11	2	10	
TYPED OR PRINTED								AREA CODE	NUMBER	YEAR	MO	DAY

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

Timberlake

data

Date	Flow	INFLUENT Concentration			Pounds		
		TSS	BOD	NH3	TSS	BOD	NH3
1/1/2011	0.098						
1/2/2011	0.071						
1/3/2011	0.067	458	332	28	255.921	185.515	15.646
1/4/2011	0.062						
1/5/2011	0.061						
1/6/2011	0.066						
1/7/2011	0.062						
1/8/2011	0.056						
1/9/2011	0.063						
1/10/2011	0.061	1458	546	29	741.743	277.772	14.753
1/11/2011	0.061						
1/12/2011	0.059						
1/13/2011	0.056						
1/14/2011	0.066						
1/15/2011	0.074						
1/16/2011	0.072						
1/17/2011	0.074						
1/18/2011	0.074	274	294	28	169.102	181.445	17.280
1/19/2011	0.06						
1/20/2011	0.064						
1/21/2011	0.056						
1/22/2011	0.062						
1/23/2011	0.071						
1/24/2011	0.068	602	411	26	341.406	233.086	14.745
1/25/2011	0.065						
1/26/2011	0.063						
1/27/2011	0.069						
1/28/2011	0.07						
1/29/2011	0.071						
1/30/2011	0.072						
1/31/2011	0.07						
Average	0.067	698.00	395.75	27.75	377.04	219.45	15.61
Maximum	0.098	1458.00	546.00	29.00	741.74	277.77	17.28

Timberlake

Timberlake	Report for	Jan-11	Tot. Exc.= 0 (Influent data below.)								
Tot. Flow=	2.064	Concentrations		Pounds							
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	TSS Rem	BOD Rem
1/1/11	0.098										
1/2/11	0.071										
1/3/11	0.067	11	3	0.78	2	6.147	1.676	0.436	0.325	0.975983	0.990964
1/4/11	0.062										
1/5/11	0.061										
1/6/11	0.066										
1/7/11	0.062										
1/8/11	0.056										
1/9/11	0.063				2						
1/10/11	0.061	17	5	0.22		8.649	2.544	0.112	0.625	0.98834	0.990842
1/11/11	0.061										
1/12/11	0.059										
1/13/11	0.056										
1/14/11	0.066										
1/15/11	0.074										
1/16/11	0.072										
1/17/11	0.074										
1/18/11	0.074	24	7	0.17	1	14.812	4.320	0.105	0.786	0.912409	0.97619
1/19/11	0.06										
1/20/11	0.064										
1/21/11	0.056										
1/22/11	0.062										
1/23/11	0.071										
1/24/11	0.068	20	10	0.17	1	11.342	5.671	0.096	0.690	0.966777	0.975669
1/25/11	0.065										
1/26/11	0.063										
1/27/11	0.069										
1/28/11	0.07										
1/29/11	0.071										
1/30/11	0.072										
1/31/11	0.07										
Average	0.067	18.00	6.25	0.34	1.41	10.24	3.55	0.19	0.61	97%	98%
Maximum	0.098	24.00	10.00	0.78	2.00	14.81	5.67	0.44	0.79		