



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

December 16, 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 –November 2010**

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 November 2010.

There are no exceedences or bypass reports for this month.

Attached is an overflow report.

If you have any questions concerning the attached DMRs please contact me at (502)587-5856.

Sincerely,

A handwritten signature in cursive script that reads "Richard W. Mills".

Richard W. Mills
Process Supervisor, East Region

RWM/Timberlake 1110

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 **TIMBERLAKE WQTC MSD**
 ADDRESS **0/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)

KY0043067
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MINOR
 (SUBR LV)
 F - FINAL
 MUNICIPAL DISCHARGE
 EFFLUENT

JEFFE

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	11	01		10	11	30

FROM

TO

*** 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			
OXYGEN, DISSOLVED (OD) 00300 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	7	*****	*****	(19)	0	1/7	GR
	PERMIT REQUIREMENT	*****	*****	****	INST MIN	*****	*****	MG/L			
PH 00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	6.9	*****	7.0	(12)	0	1/7	GR
	PERMIT REQUIREMENT	*****	*****	****	5.0	*****	9.0	MINIMUM			
SOLIDS, TOTAL SUSPENDED 00530 0 0 0 RAW SEW/INFLUENT	*****	*****	*****	(26)	*****	316	466	(19)	0	1/7	CP
	PERMIT REQUIREMENT	REPORT	REPORT	LBS/DY	*****	REPORT	REPORT	MG/L			
		MD AVG	MX WK AV			MD AVG	MX WK AV				
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	(26)	*****	13	18	(19)	0	1/7	CP
	PERMIT REQUIREMENT	50.0	75.0	LBS/DY	*****	30	45	MG/L			
		MD AVG	MX WK AV			MD AVG	MX WK AV				
NITROGEN, AMMONIA TOTAL (AS N) 00610 0 0 0 RAW SEW/INFLUENT	*****	*****	*****	(26)	*****	35	39	(19)	0	1/7	CP
	PERMIT REQUIREMENT	REPORT	REPORT	LBS/DY	*****	REPORT	REPORT	MG/L			
		MD AVG	MX WK AV			MD AVG	MX WK AV				
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0 EFFLUENT GROSS VALUE	*****	*****	*****	(26)	*****	0.4	0.6	(19)	0	1/7	CP
	PERMIT REQUIREMENT	5	12	LBS/DY	*****	5	7.5	MG/L			
		MD AVG	MX WK AV			MD AVG	MX WK AV				
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	(19)	*****	0.48	0.71	(19)	0	1/7	CP
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L			
		*****	*****	****	*****	MD AVG	MX WK AV				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
HJ Schardein
 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
 500 640-6000
 AREA CODE NUMBER
 DATE
 10 12 10
 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
(SUBR LV)
F - FINAL
MUNICIPAL DISCHARGE
EFFLUENT

JEFFE

NAME: TIMBERLAKE WGTG MSD
ADDRESS: C/O CEDAR CREEK WGTG
8409 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY: TIMBERLAKE WGTG MSD
LOCATION: PROSPECT KY 40058
ATTN: DENNIS THOMASSON, SR METRO OPS

KY0043087
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	11	01	TO	10	11	30

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	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	0.066	0.189	(03)	*****	*****	*****		0	CN	CN	
EFFLUENT GROSS VALUE	30DA AVG	DAILY MX	MCD	*****	*****	*****	****		MONTH	SYSTEM	
CHLORINE, TOTAL RESIDUAL	*****	*****		*****	20.010	20.010	(19)	0	1/7	GR	
EFFLUENT GROSS VALUE	*****	*****	***	*****	0.011	0.019	MG/L		NEARLY	STAB	
PERMIT REQUIREMENT	*****	*****	****	*****	30DA AVG	DAILY MX	MG/L				
COLIFORM, FECAL GENERAL	*****	*****		*****	3	51	(13)	0	1/7	GR	
EFFLUENT GROSS VALUE	*****	*****	***	*****	200	400	1/100ML		NEARLY	STAB	
PERMIT REQUIREMENT	*****	*****	****	*****	30DA GED	7 DA GED	100ML				
BOD, CARBONACEOUS 05 DAY, 20C	171	247	(25)	*****	359	436	(17)	0	1/7	GR	
RAW SEW/INFLUENT	REPORT	REPORT	LBS/DY	*****	REPORT	REPORT	MG/L		NEARLY	STAB	
PERMIT REQUIREMENT	MD AVG	MX WK AV	LBS/DY	*****	MD AVG	MX WK AV	MG/L				
BOD, CARBONACEOUS 05 DAY, 20C	1	2	(25)	*****	3	4	(17)	0	1/7	CP	
EFFLUENT GROSS VALUE	17	25	LBS/DY	*****	10	15	MG/L		NEARLY	STAB	
PERMIT REQUIREMENT	MD AVG	MX WK AV	LBS/DY	*****	MD AVG	MX WK AV	MG/L				
BOD, CARB-S/DAY, 20 DEG C, PERCENT REMVL	*****	*****		99	*****	*****	(23)	0	1/30	CA	
PERCENT REMOVAL	*****	*****	***	85	*****	*****	PER-CENT		MONTH	CALCUL	
PERMIT REQUIREMENT	*****	*****	****	MD MIN	*****	*****	PER-CENT				
SOLIDS, SUSPENDED PERCENT REMOVAL	*****	*****		96	*****	*****	(23)	0	1/30	CA	
PERCENT REMOVAL	*****	*****	***	85	*****	*****	PER-CENT		MONTH	CALCUL	
PERMIT REQUIREMENT	*****	*****	****	MD MIN	*****	*****	PER-CENT				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
HJ Schardew
Executive Director
TYPED OR PRINTED

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Richard Mills
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 502-540-6000
DATE: 10 12 10
AREA CODE: NUMBER YEAR MO DAY

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

Timberlake

Timberlake Tot. Flow= Date	Report for Flow	Nov-10 Concentrations TSS	BOD	NH3	Tot. Exc.= Fecal	0 (Influent data below.) Pounds TSS	BOD	NH3	Tot. Phos.	TSS Rem	BOD Rem
11/1/10	1.973	16	2	0.34	1	6.939	0.867	0.147	0.328	0.912088	0.993151
11/2/10	0.052										
11/3/10	0.057										
11/4/10	0.044										
11/5/10	0.057										
11/6/10	0.05										
11/7/10	0.055										
11/8/10	0.051	7	4	0.56	51	2.977	1.701	0.238	0.328	0.984979	0.990805
11/9/10	0.049										
11/10/10	0.049										
11/11/10	0.047										
11/12/10	0.048										
11/13/10	0.06										
11/14/10	0.055										
11/15/10	0.055	11	2	0.34	1	5.046	0.917	0.156	0.549	0.962585	0.99262
11/16/10	0.088										
11/17/10	0.06										
11/18/10	0.061										
11/19/10	0.054										
11/20/10	0.056										
11/21/10	0.063										
11/22/10	0.068	18	4	0.34	1	10.208	2.268	0.193	0.708	0.94375	0.990826
11/23/10	0.06										
11/24/10	0.086										
11/25/10	0.189										
11/26/10	0.098										
11/27/10	0.069										
11/28/10	0.059										
11/29/10	0.052										
11/30/10	0.129										
12/1/10											
Average	0.066	13.00	3.00	0.40	2.67	6.29	1.44	0.18	0.48	96%	99%
Maximum	0.189	18.00	4.00	0.56	51.00	10.21	2.27	0.24	0.71		

Timberlake

INFLUENT

Date	Flow	Concentration			Pounds		
		TSS	BOD	NH3	TSS	BOD	NH3
11/1/2010	0.052	182	292	39	78.930	126.635	16.914
11/2/2010	0.052						
11/3/2010	0.057						
11/4/2010	0.044						
11/5/2010	0.057						
11/6/2010	0.05						
11/7/2010	0.055						
11/8/2010	0.051	466	435	31	198.208	185.023	13.186
11/9/2010	0.049						
11/10/2010	0.049						
11/11/2010	0.047						
11/12/2010	0.048						
11/13/2010	0.06						
11/14/2010	0.055						
11/15/2010	0.055	294	271	33	134.858	124.308	15.137
11/16/2010	0.088						
11/17/2010	0.06						
11/18/2010	0.061						
11/19/2010	0.054						
11/20/2010	0.056						
11/21/2010	0.063						
11/22/2010	0.068	320	436	35	181.478	247.264	19.849
11/23/2010	0.06						
11/24/2010	0.086						
11/25/2010	0.189						
11/26/2010	0.098						
11/27/2010	0.069						
11/28/2010	0.059						
11/29/2010	0.052						
11/30/2010	0.129						
12/1/2010							
Average	0.066	315.50	358.50	34.50	148.37	170.81	16.27
Maximum	0.189	466.00	436.00	39.00	198.21	247.26	19.85

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES # KY0043087	Facility ID MSD0293	Water Quality Treatment Center TIMBERLAKE	Receiving Stream of Treatment Center HARRODS CREEK	Region EAST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMN Sewer Main	103508-V	7009 BREAKWATER PL		HARRODS CREEK	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	1172189	11/24/10 09:36 AM	MARKS JR	BROOKS	REPAIRED - ISSUE RESOLVED	11/30/10	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	11/30/10 04:30	PM

Spot Inspections:

Discharge Amount:	52,200 GAL
Cause:	STRUCTURAL FAILURE OF FORCEMAIN
Clean Up:	MSD PERSONELL CLEANED AND SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS HAVE BEEN POSTED
Impact:	DEBRIS AND SEWAGE ON GROUND OBSERVED
Repair:	MSD CONTRACTOR WILL MAKE REPAIRS

Notifications:

11/30/10 04:44 PM	DISPUB	msd used its website and temporary signs to warn public
11/30/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
11/30/10 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov