



MSD

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

November 21, 2008

Ms. Carolena Bentley
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**Re: MSD Metro Operations
Timberlake WTP; KPDES No.: KY0043087
Discharge Monitoring Reports – October 2008**

Dear Ms. Bentley

Attached is the Discharge Monitoring Reports (DMRs) for the Timberlake WTP, KPDES No.: KY0043087 for the month of October 2008.

If you have any questions concerning the attached DMRs please contact me at (502)241-9093.

Sincerely,

John Kessel
Process Supervisor, East Region

JK/Timberlake 1008

Enclosures

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



*Beneficial Use of Louisville's Biosolids
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MINOR
(SUBR LV)
F - FINAL

JEFF

KY0043087
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MONITORING PERIOD

FROM YEAR 08 MO 10 DAY 01 TO YEAR 08 MO 10 DAY 31

MUNICIPAL DISCHARGE
EFFLUENT

*** NO DISCHARGE 1 - 1 ***

NOTE: Read Instructions before completing this form.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME MSD TIMBERLAKE STP
ADDRESS C/O CEDAR CREEK STP
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY MSD TIMBERLAKE STP
LOCATION PROSPECT KY 40059
ATTN: DENNIS THOMASSEN, SR METRO OPS

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	*****	*****		7.1	*****	*****	(19)	0	1/2	Grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	7 INST MIN	*****	*****	MG/L		WEEKLY	GRAB
PH	00400 1 0 0	*****	*****		6.8	*****	7.2	(12)	0	1/2	Grab
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	GU		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED	00530 0 0 0	202.0	376.0	(26)	*****	350.0	654.0	(19)	0	1/2	Comp
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV	MG/L		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED	00530 1 0 0	8.0	11.0	(26)	*****	15.0	19.0	(19)	0	1/2	Comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	50.0 MD AVG	75.0 MX WK AV	LBS/DY	*****	30 MD AVG	45 MX WK AV	MG/L		WEEKLY	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	00610 0 0 0	18.0	21.0	(26)	*****	31.0	37.0	(19)	0	1/2	Comp
RAW SEW/INFLUENT	PERMIT REQUIREMENT	REPORT MD AVG	REPORT MX WK AV	LBS/DY	*****	REPORT MD AVG	REPORT MX WK AV	MG/L		WEEKLY	COMPOS
NITROGEN, AMMONIA TOTAL (AS N)	00610 1 1 0	0.10	0.30	(26)	*****	0.30	0.60	(19)	0	1/2	Comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	3 MD AVG	5 MX WK AV	LBS/DY	*****	2 MD AVG	3 MX WK AV	MG/L		WEEKLY	COMPOS
PHOSPHORUS, TOTAL (AS P)	00665 1 0 0	*****	*****		*****	3.0	4.0	(19)	0	2/31	Comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MD AVG	REPORT MX WK AV	MG/L		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.				TELEPHONE		DATE			
Exec Dir H.J. Schachtel Jr. 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)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

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ADDRESS C/O CEDAR CREEK STP
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
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LOCATION PROSPECT KY 40059
ATTN: DENNIS THOMASSON, SR METRO OPS

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

KY0043087
PERMIT NUMBER

001 2
DISCHARGE NUMBER

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

PARAMETER		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	SAMPLE MEASUREMENT	0.068	0.110	(03)	*****	*****	*****		0	1/2	1/2
50050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	****		CONTIN	CONTIN
EFFLUENT GROSS VALUE		30DA AVG	DAILY MX	MGD				****		UOUS	
CHLDRINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****		*****	40.010	40.010	(19)	0	1/3	Grab
50060 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	0.011	0.019			WEEKLY	GRAB
EFFLUENT GROSS VALUE				****		30DA AVG	DAILY MX	MG/L			
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****		*****	1.0	2.0	(13)	0	1/3	Grab
74055 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	200	400	*/		WEEKLY	GRAB
EFFLUENT GROSS VALUE				****		30DA GEO	7 DA GEO	100ML			
BOD, CARBONACEOUS 5S DAY, 20C	SAMPLE MEASUREMENT	134.0	167.0	(26)	*****	233.0	289.0	(19)	0	1/3	Comp
50052 3 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	REPORT	REPORT			WEEKLY	COMPOS
RAW SEW/INFLUENT		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV	MG/L			
BOD, CARBONACEOUS 5S DAY, 20C	SAMPLE MEASUREMENT	2.0	2.0	(26)	*****	3.0	3.0	(19)	0	1/3	Comp
50082 1 0 0	PERMIT REQUIREMENT	17	25		*****	10	15			WEEKLY	COMPOS
EFFLUENT GROSS VALUE		MD AVG	MX WK AV	LBS/DY		MD AVG	MX WK AV	MG/L			
BOD, CARB-5 DAY, 20 DEG C, PERCENT REMVL	SAMPLE MEASUREMENT	*****	*****		99.0%	*****	*****	(23)	0	1/3	Cal
50091 K 0 0	PERMIT REQUIREMENT	*****	*****	****	85	*****	*****	PER-		ONCE/	CALCUL
PERCENT REMOVAL				****	MD MIN			CENT		MONTH	
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		96.0%	*****	*****	(23)	0	1/3	Cal
51011 K 0 0	PERMIT REQUIREMENT	*****	*****	****	85	*****	*****	PER-		ONCE/	CALCUL
PERCENT REMOVAL				****	MD MIN			CENT		MONTH	
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.				TELEPHONE		DATE			
Ever Dir H.T. Schuchman Jr TYPED OR PRINTED						507 590-1400		08 11 25			
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE		NUMBER		YEAR MO DAY	

[illegible]

Timberlake

data

Date	Flow	INFLUENT					
		Concentration			Pounds		
		TSS	BOD	NH3	TSS	BOD	NH3
10/1/2008	0.063						
10/2/2008	0.062						
10/3/2008	0.064						
10/4/2008	0.07						
10/5/2008	0.072						
10/6/2008	0.07	314	286	31	183.313	166.967	18.098
10/7/2008	0.066						
10/8/2008	0.083						
10/9/2008	0.063						
10/10/2008	0.065						
10/11/2008	0.064						
10/12/2008	0.063						
10/13/2008	0.069	654	289	37	376.351	166.308	21.292
10/14/2008	0.062						
10/15/2008	0.063						
10/16/2008	0.071						
10/17/2008	0.063						
10/18/2008	0.067						
10/19/2008	0.066						
10/20/2008	0.063	200	197	30	105.084	103.508	15.763
10/21/2008	0.058						
10/22/2008	0.06						
10/23/2008	0.065						
10/24/2008	0.11						
10/25/2008	0.074						
10/26/2008	0.07						
10/27/2008	0.074	232	160	25	143.181	98.746	15.429
10/28/2008	0.067						
10/29/2008	0.06						
10/30/2008	0.061						
10/31/2008	0.065						
Average	0.068	350.00	233.00	30.75	201.98	133.88	17.65
Maximum	0.110	654.00	289.00	37.00	376.35	166.97	21.29

Timberlake

TSS Rem BOD Rem

0.961783 0.98951

0.970948 0.989619

0.92 0.984772

0.948276 0.98125

96%	99%
0	0
0	0