

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

June 22, 2009

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

Re:

MSD Metro Operations

Timberlake WTP; KPDES No.: KY0043087 Discharge Monitoring Reports – May 2009

Dear Ms. Bentley

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Timberlake WTP, KPDES No.: KY0043087 for the month of May 2009.

We experienced one exceedances for Total Suspended Solids percent removal. We believe the exceedances was due to the polishing pond having excess algae growth. We added algaecide to pond. Subsequent analysis indicates a reduction of effluent total suspended solids.

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

Sincerely,

D.J.Rheinlaender

Process Supervisor, East Region

DJR/Timberlake 0509

Enclosures

cc:

C. Roth (DOW)

T. Singleton

R. Shaw



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

MONITORING PERIOD

TO

YEAR

Form Approved. OMB No. 2040-0004

ADDRESS DIG CEDAR CREEK STR

HACE CEDAN DREEK KO

LOWISVILLE 40211 FACILITY MISS TO MINERALANE STA

LOCATION PROSPECT

MY 40059 RITA DIAWAS TROMASSON, OR METRO OPS メスクロセスクロン PERMIT NUMBER

DAY

MO.

YEAR

FROM

001 2 **DISCHARGE NUMBER**

DAY

MO_

SUBR LV. F - FINAL

MINOR

JE175 :

MUNICIPAL DIBONARCE EFFLUERT

TORANDEIG DW RES

NOTE: Read Instructions before completing this form

PARAMETER		1	<u>, , , , , , , , , , , , , , , , , , , </u>		NOTE: Read Instructions before completing							
PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF	SAMPLE TYPE	
		AVERAGE	MUMIXAM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	^	ANALYSIS	1172	
OKYGEM CINSULVED	SAMPLE	经有效的条件	Aprophysical Straight of the		,	20 安安·安安·安-安-	经济营销税额					
(00)	MEASUREMENT				7			" "		1/2		
90000 C C 7	PERMIT	特殊特殊等等	· · · · · · · · · · · · · · · · · · ·	desc.	 	ं हर होते होते के के प्राप्त	্তি করে করে করি করি করি। বিশ্ব করি করি করি করি	-	<u> ()</u>	VERNLY	- () () () () () () () () () (
EFFLUENT GROSS VALUE	REQUIREMENT			45 44 45 45	INST MIN			14/2/1				
77.70	SAMPLE	会会を登録者	20-200-29-20-21			क्रिक्किक्किक्क		1 1 ± 1		,		
	MEASUREMENT		-		7.0	ļ	7.5		~	1/2	68	
	PERMIT	放布办存存	有效音音等化 3	To the same	. (a.u	777777	- 1 4. u	1		VEZEKL V		
EFFLUEN' GRUSS VALUE	REQUIREMENT	·	e .	计计计划	MINIMUM	· ·	MAXIMUM	SU				
TOLLOW TOYAL	SAMPLE			(26)	केंद्रके के करते			\$ 3. 77.8				
SUBFENDED	MEASUREMENT	105	- 1			166	211		_	1/2	1D	
	PERMIT	REPURT			· 学校会会会会	Sept Service Conference Conferenc	- REPIRAL	-	<i>f f</i>	V. Farrier C. Stran 7 :	. 18 1	
MAM SEW INFLUENT	REQUIREMENT	MO AVG	MX WK JAV	LBS/DY		MD AVA	MX WK AV	MGZL				
SELSDES TEVAL	SAMPLE			(365)	ಜೀ ಜೀ ಮಾನಗಿ ಮಾನ್			1 7 7 7 2		7.		
BUSHEMBED	MEASUREMENT	19.5	26.1	1		28	4K			1/2	100	
	PERMIT		1. T. W.		의 중기한 첫 전 기회의	18 30		1 1		vermont of	- 1011- 05	
EFFLUENT GROSS VALUE	REQUIREMENT	MO AVO	MIX WK AV	LBS/DY		MD AVS	MX WK AS	466/2		***		
FITROGENA APPROPIA FOTAL (AS M)	SAMPLE	_		(25)	the the time the section		7.00	1 1 1 1 1		11		
	MEASUREMENT	19	2/			Ź/)	22			1/7	94	
PAM SEWIENT	PERMIT	REPORT	- KEPURI		the the de decide the	(rt)=(rr)_(rt()	REPURK	1	1	FEENLY.	Járínus	
GITTURA AMPINIA	REQUIREMENT	MO AVG	MX MK AV	LBS/GY		MD AVG	MK WK AV	MG/L	1			
We the same at the same of	SAMPLE			1.0	್ಯಾಕ್ ಕ್ರಾಂಕ್ ಬೆಕ್ಕ			2 3		1/		
TOURS OF THE STATE	MEASUREMENT	0.3				0.5/	1		\sim	1/7	CP	
REFLUENT GROSS VALUE	PERMIT	. 3	har.		*****			1 1		and the state of t	Juli for U.S.	
EFFLUENT GROSS VALUE	REQUIREMENT	MO AVG	MX WK TAV	LBE/OY		MO AVO	MX WK AV	MG7L		1898		
	SAMPLE	本語 经收货箱	for the control of the		ंश संग्रासीत वेश स्थानहरू			(277)		1/		
	MEASUREMENT	18. 6. 6. 17. 57. 6				0.7	0.8		0	1/7	P.P	
The Park Mark Control of the Control	PERMIT REQUIREMENT	各位的原金的	外安全分类的 3	· 经分价	*******	MEFUNI	The Land]	7	W120E/	.៦/17 មន	
NAME/TITLE PRINCIPAL EXECUTIVE O				公司公司		ME AVG	MX WK KV	MOZE		MONTH		
prepared under my dir			is document and all attach rvision in accordance with	a exetom dociona		- 7 9/		TELEPHON	E	DAT	ΓE	
25001 · 1511	submitte	e that qualified personnel pro	operly gather and evaluate	the information		/-//. /	, / [
H. J. Sabacter Jr	I or mose	DCTSORS directly responsible	Based on my inquiry of the person or persons who manage the system, roons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete.			on of Market then Mounts 30						
TYPED OR PRINTED	are that there are significant	nonolities for submitting for	lan information	SIGNAL OF THINOFAL EXECUTIVE			1 590 6	1/1/	19 10	5 16		
	NY VIOLATIONS	g the possibility of fine and	imprisonment for knowing	violations.	OFFICER OR AUTHORIZED AGENT AREA CODE N					YEAR MO		
	COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											

PAGE

Form Approved. OMB No. 2040-0004

ADDRESS GIO DEDAR CREEK STR

PACS OFFIAT SERVER RD

LOUISVILLE FACILITY FORD TEMPERALAKE STO MY GORIL

LOCATION (PROSPECT AY 40057 HITE DIMMOS THOMASSON, SA METRO CAS **FROM**

24 YOU 在上口出了

YEAR

PERMIT NUMBER

MO

بميين أأغيانيا DISCHARGE NUMBER

MO

DAY

ISUBR LV) F - FINAL

MINCE

MUNICIPAL DISUMARGE

EFFLUENT

*** NO DISCHARGE | | | | | | | | | | |

TO

MONITORING PERIOD

YEAR

DAY

- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	water to	1			·	NOTE: Read Instructions before completing this form						
PARAMETER		QUAN	TITY OR LOADING	ì		QUALITY OR CONCENTRATION				FREQUENCY	O	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	ANALYSIS	TYPE	
ROTTOWNS ME ANDER	SAMPLE			7. 057	新安安安奈安	安全的专家	非空景景 章					
THRU TREATMENT PLAN	MEASUREMENT	0,088	0 149		\ \ \		ĺ			111	11	
500000 1 0 0 0	PERMIT	REFURT	REPUB!	7	化化物物物物	State of the state	नीत केल बीच की की की की	· Grider de las	-	2 (304 2 (V)	3/1/4/2 / 2	
EFFLUENT GROSS VALUE	REQUIREMENT	30DA AVG	DAILY MX	MGD	ļ			aga aga aga aga		uous		
AFF. OF TME. TO FA	SAMPLE	And the second of the second of	Grant de de de de		কর্মার হা হা হা			+				
RESIDUAL	MEASUREMENT	r				60.010	1		<i></i>	1/7	11	
50000 1 0 0	PERMIT	经营营营业	建 胶设备设备。	****	· 特· 香· · · · · · · · · · · · · · · · ·		50-010	-	4	VEEKLY	(5)	
EFFLUENT GROSS VALUE	REQUIREMENT	·		क्षेत्र के के		SODA AVS	DAILY NX	MOZI		2 111111 4 440 1 1 111111 2	#/ · · · · / // ,	
COLUMBIA PECAL	SAMPLE	2000 · 100	गान गाँउ गाँउ गाँउ की करू	 	verkerkerkerkerker			1 2 3 3 3	·			
GENERAL .	MEASUREMENT	•]				,	/			1/7	10	
で存むら ち、 イン・カー・ム	PERMIT	李子母女子子	2 *********	经验证	******		7	1 /	()	i y valena y	66	
EFFLUENT ORDES VALUE	REQUIREMENT			からなか		30DA 850	7 DA GEO	TOOML		Charles States S. Charles S.	man's to the state of the state	
SCAL UKT BUSSELF NUC	SAMPLE			(25)	ally-arguments agits arguments		710	1 3 7 3				
OS DAY BOC	MEASUREMENT	138	183			215	292			1/2	0 A	
	PERMIT	KEFÜRT	HALF CON S	-	表 : 10 · 10 · 10 · 10 · 10 · 10 · 10 · 10	2/5 REFORT	- 120 0m ; -	-{		FEETNLY	4/-	
RAW SEWYINFLUENT	REQUIREMENT	MO AVS	YA MM AN	Lasiny		MU AVG	MK WK AV	20 CL	,	Frank store (Clark)	eri brail fili (berilibea	
MODE CALLERYACIDADA	SAMPLE			1 251	****							
OB PAY, EDO	MEASUREMENT	6	8			1,	10	, ,		1/2	10	
30 0 83 1 6 0	PERMIT	1.7	a/5	1	After the sign with the sign			-	$-\mathcal{O}_{-1}$	reektyl	4/-	
MFFLUENT BROSS VALUE	REQUIREMENT	MC AVS	MX WX AV	LB8: DY		MO AVO	YA WW AV	MCZL	Ì			
300. (44)2-3 Bay, 20	SAMPLE	*****	State of the state		· · · · · · · · · · · · · · · · · · ·	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ব্যবহার ব্যবস্থা ব্যব ্	1 22.27		7.		
DEG C. PERCENT REMVL	MEASUREMENT				95				~	1/3/	11	
MORPH 4. 0 0 0	PERMIT	(ないまするないできる。	我 你你我要你 "	학생산	#35	******	经有限条款 基	728-	$-U_{\parallel}$	374 C. C.	A.C.	
PERCENT REMOVAL	REQUIREMENT			教育会会	MO MIN			CENT		MONTH		
NATURAL ENDINE PORTO	SAMPLE	গদেশকৈ শক্তি গ্ৰহণ পৰি শ্ৰহণ	ಕೂ ಬಿ.ಕೀ.ಚಿ.ಚಿ.			ar ilir ar te tretar	alle desemble des de see	र अञ्चर		- // -		
PERCENT REMOVAL	MEASUREMENT			1	83]		13/	a A	
Similar to a	PERMIT	作学被告诉者	化化学学学生 化	最后的	· ද්ර ක්ෂ	स्टबंट (मेर के किस्ट	জনের কলি জন স্থাপ্তির	PER-	- / 3	97 - 37 - 2		
PERCENT REMOVAL	REQUIREMENT	Ì		经特殊条	MO MIN	_		CZ:NT		MONTH		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER 1 certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed TELEPHONE							F	DA	re			
Excel. Dir	to assu	re that qualified personnel pr	operly eather and evaluate	the information			/ -		-	DA.	1 0	
16.121	submit	ted. Based on my inquiry of (e persons directly responsible	he person or persons who	manage the eveter	n. / //	1//////////////////////////////////////	() /				Ì	
H. J. Schardein U	submitt	ted is, to the best of my know ware that there are significant	ledge and belief, true, acc	urate, and comple	te. SIGNAT	URE OF PRINCIPAL E	EXECUTIVE	(15H) A	استسه	,	/ //	
TYPED OR PRINTED	mcludi	ng the possibility of fine and	imprisonment for knowing	ilse information, violations.	OFFIC	OFFICER OR AUTHORIZED/AGENT CODE NUMBE				YEAR MO		
OMMENTS AND EXPLANATION OF	ANY MAN ATIONS	(Deference off office			/_		CODI	- HOMBER	·	I WALL IN	JUAY	

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

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

* see easer letter for explanation

Timberlake

Timberlake		Report for	May-09		ot. Exc.=	0 V	TOLATION				
Tot. Flow≔	2.732	•	Concentra		_		Pound			T00 D	DOD B
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	1SS Rem	BOD Kem
5/1/09	0.089										
5/2/09	0.092										•
5/3/09	0.092				•						
5/4/09	0.084										
5/5/09	0.074	9	7	0.67	1	5.554	4,320	0.413	0.832	0.925	0.969027
5/6/09	0.103										
5/7/09	0.086										
5/8/09	0.12										
5/9/09	0.142										
5/10/09	0.101										
5/11/09	0.085										_
5/12/09	0.075	28	13	0.11	1	17.514	8.132	0.069	0.395	0.913043	0.955479
5/13/09	0.092										
5/14/09	0.091			•							
5/15/09	0.085										
5/16/09	0.099										•
5/17/09	880.0										
5/18/09	0.079	-									
5/19/09	0.075	38	13	0.11	1	23,769	8.132	0.069	0.711	0.728571	0.926136
5/20/09	0.075										
5/21/09	0.077				•						
5/22/09	0.076										
5/23/09	0.081										
5/24/09	0.082										
5/25/09	0.103										
5/26/09	0.087	36	6	1		26.121	4.353	0.726	0.725	0.55	0.963415
5/27/09	0.098										
5/28/09	0.068										
5/29/09	0.071				1						
5/30/09	0.087										
5/31/09_	0.075							 			
Average	0.088	27.75	9.75	0.47	1.00	18,24	6.23	0.32		83%	95%
Maximum	0.142	38.00	13.00	1.00	1.00	26,12	8.13	0.73			
Exceed.	0	0	0	0	0	0	0	0		. 2	. 0
	_	0	0	0	0	0	0	0			_
	•	0	0	. 0	0	0	0	0		1	0
Minimum	0.068	MIN	MAX								
I	DO (min)										

data

uata	•	INFLUENT									
		Co	ncentration			Pounds					
Date	Flow	TSS	BOD	NH3		TSS	·BOD	NH3			
5/1/2009	0.089										
5/2/2009	0.092										
5/3/2009	0.092										
5/4/2009	0.084		•								
5/5/2009	0.074	120	226	28		74.059	139.478	17.280			
5/6/2009	0.103										
5/7/2009	0.086										
5/8/2009	0,12										
5/9/2009	0.142										
5/10/2009	0.101										
5/11/2009	0.085										
5/12/2009	0.075	322	292	30		201.411	182.646	18.765			
5/13/2009	0.092										
5/14/2009	0.091		•								
5/15/2009	0.085										
5/16/2009	0.099										
5/17/2009	880.0										
5/18/2009	0.079										
5/19/2009	0.075	140	176	33		87.570	110.088	20.642			
5/20/2009	0.075										
5/21/2009	0.077										
5/22/2009	0.076				*						
5/23/2009	0.081										
5/24/2009	0.082										
5/25/2009	0.103										
5/26/2009	0.087	80	164	28		58.046	118.995	20.316			
5/27/2009	0.098										
5/28/2009	0.068										
5/29/2009	0.071										
5/30/2009	0.087										
5/31/2009	0.075										
Average	0.088	165.50	214.50	29.75		105.27	137.80	19.25			
Maximum	0.142	322.00	292.00	33.00		201.41	182.65	20.64			