

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

July 23, 2013

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

Re: MSD Metro Operations

Timber Lake WQTC; KPDES No.: KY 0043087 Discharge Monitoring Report for June of 2013

Dear Ms. Edwards:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Timber Lake WQTC; KPDES No.: KY0043087 for the month of June 2013

There were no exceedences, the bypass letters and overflow reports are attached.

If you have any questions concerning the attached DMRs, please contact me at (502) 587-5832.

Sincerely

Richard Mills

Process Supervisor of Metro Operations

ichard Mills

RM/ Timber Lake 06/13

Enclosures

CC

T. Singleton

R. Shaw

DMR Copy of Record Permit Facility: TIMBERLAKE WQTC MSD KY0043087 Permittee: TIMBERLAKE WQTC MSD Permit #: No **Facility Location:** Major: Permittee Address: 5504 TIMBER RIDGE RD 5504 TIMBER RIDGE RD PROSPECT, KY 40059 PROSPECT, KY 40059 **Permitted Feature:** 001 Discharge: 001-2 MUNICIPAL DISCHARGE External Outfall Report Dates & Status DMR Due Date: Status: **Monitoring Period:** From 06/01/13 to 06/30/13 07/28/13 **NetDMR Validated Considerations for Form Completion Principal Executive Officer** Telephone: Title: First Name: Greg **Executive Director** 502-540-6000 Heitzman Last Name: No Data Indicator (NODI) Form NODI: Monitoring Season Param.
Location # NODI # of Frequency of Ex. Analysis **Quantity or Loading Quality or Concentration** Name Qualifier Value 1 Qualifier Value 2 Units Qualifier Value 1 Qualifier Value 2 Qualifier Value 3 Units 19 - mg/L 01/01 - Daily 8 Permit 7 INST 19 - mg/L ₀ >= 01/07 - Weekly 00300 Oxygen, dissolved [DO] 1 - Effluent Gross 0 Req. MIN Value

Sample Type

GR - GRAB

GR - GRAB

		NODI												
		Sample				=	8			-	9	12 - SU	01/01 - Daily	GR - GRAB
00400pH	1 - Effluent Gross 0	 Permit Req.				>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU ₀	01/07 - Weekly	GR - GRAB
		Value NODI												
		Sample =	5.16	=	10.21	26 - lb/d	=		7	-	13	19 - mg/L	01/07 - Weekly	CP - COMPOS
00530 Solids, total suspended	1 - Effluent Gross 0	 Permit <=	50 30DA AVG	<=	75 DAILY MX	26 - lb/d	<=	=	30 30DA AVG	<=	45 DAILY MX	19 - mg/L 0	01/07 - Weekly	24 - COMP24
		Value NODI												
		Sample					=		26	=	45	19 - mg/L	01/07 - Weekly	CP - COMPOS
00600 Nitrogen, total [as N]	1 - Effluent Gross 0	 Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L 0	01/07 - Weekly	24 - COMP24
		Value NODI												00 2
		Sample	0.3		0.4	26 - lb/d			0.4		0.6	19 - mg/L	01/07 - Weekly	CP - COMPOS
00610 Nitrogen, ammonia total [as N]	1 - Effluent Gross 1	 Permit <=	3.3 30DA AVG	<=	5 DAILY MX	26 - lb/d	<=	=	2 30DA AVG	<=	3 DAILY MX	19 - mg/L 0	01/07 - Weekly	24 - COMP24
		Value NODI												
		Sample												
00610 Nitrogen, ammonia total [as N]	1 - Effluent Gross 2	 Permit <=	8.3 30DA AVG	<=	12.5 DAILY MX	26 - lb/d	<=	=	5 30DA AVG	<=	7.5 DAILY MX	19 - mg/L	01/07 - Weekly	CP - COMPOS
		Value NODI	9 - Conditional Monitoring - Not Requir This Period	red	9 - Conditional Monitoring - Not Required This Period				9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period			
		Sample					=		0.2	=	0.3	19 - mg/L	01/07 - Weekly	CP - COMPOS
00665 Phosphorus, total [as P]	1 - Effluent Gross 0	 Permit Req.					<=	=	1 30DA AVG	<=	2 DAILY MX	19 - mg/L 0	01/07 - Weekly	CP - COMPOS
		Value NODI												
		Sample =	0.119	=	0.275	03 - MGD							99/99 - Continuo	CN - CONTIN
Flow, in conduit or thru treatment plant	1 - Effluent Gross 0	 Permit Req.	Req Mon 30DA AVG		Req Mon INST MAX	03 - MGD						0	01/07 - Weekly	CN - CONTIN
		Value NODI												
		Sample					<		0.01	<	0.01	19 - mg/L	01/01 - Daily	GR - GRAB
50060 Chlorine, total residual	1 - Effluent Gross 0	 Permit Req.					<=	=	.011 30DA AVG	<=	.019 DAILY MX	19 - mg/L ₀	01/07 - Weekly	GR - GRAB
		Value NODI												
		Sample					=		7	=	20	13 - #/100mL	01/07 - Weekly	GR - GRAB
		B 24												

51040 E. coli	1 - Effluent Gross 0		Req.					<=	130 30DA GEO	<=	240 7 DA GEO	#/100mL 0	01/07 - Weekly	GR - GRAB
			Value NODI											
			Sample =	2.1	=	2.36	26 - lb/d	=	3	=	3	19 - mg/L	01/07 - Weekly	CP - COMPOS
80082 BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross 0		Permit Req. <=	16.7 30DA AVG	<=	25 DAILY MX	26 - lb/d	<=	10 30DA AVG	<=	15 DAILY MX	19 - mg/L 0	01/07 - Weekly	24 - COMP24
			Value NODI											
Submission Note														
If a parameter row does not c	ontain any values for	r the Sampl	e nor Effluent	Trading, then none of the follo	owing fields will	be submitted for that ro	w: Units, Number of Excurs	ons, Frequen	cy of Analysis, and Samp	ple Type.				
Edit Check Errors														
No errors.														
Comments														
Timberlake Jun of 2013 DMR														
Attachments														
					Name						Туре		Size	
201306Timberlake_Coverletter.p	odf									р	odf	20010		
201306TIMBERLAKEWQTC_O	verflow.pdf									р	odf	74041		
201306Timberlake_MOR.pdf										р	df	17997		
201306Timberlake_Bypassletter	rs.pdf									р	df	45237		
Report Last Saved By														
TIMBERLAKE WQTC MSD														
User: kevin.thom	npson@louisvillemsd	.org					Date/Time	:		2014-12-15 12:	17 (Time Zone: -05:00)			
Name: Kevin Th	nompson					·								
E-Mail: kevin.thom	npson@louisvillemsd	.org												

Timberlake

Timberlake		Report for	Jun-13		Tot. Exc.=	0	(Influent d	ata below.) Pounds					
Tot. Flow= Date	3.58379 Flow	TSS	Concentra BOD	NH3	ECOLI	TSS	BOD	NH3	Tot. Phos.	Tot. N	D.O.	p.H.	TRC
6/1/13	0,104	133	ВОВ	INIIO	LCOL	100	БОВ	MIIO	101.11103.	101.14	8.5	7.9	0.01
6/2/13	0.104										8.5	8	0.01
6/3/13	0.102	5	3	0.56		3.453	2.072	0.387	0.314	25.110	8.6	8.3	0.01
6/4/13	0.003	3	3	0.00	1	0.100	2.012	0,001	0.011	20.110	8.5	8.4	0.01
6/5/13	0.083				•						8.7	8.1	0.01
6/6/13	0.093										8.2	8,3	0.01
6/7/13	0.088										8.7	8.4	0.01
6/8/13	0.095										8.6	8	0.01
6/9/13	0,101										8.5	7.9	0.01
6/10/13	0.094	13	3	0.56		10.213	2.357	0.440	0.316	17.810	8.9	8.1	0.01
6/11/13	0.088				7						9.1	8.1	0.01
6/12/13	0.091										8.8	7.7	0.01
6/13/13	0.098										7.9	8.1	0.01
6/14/13	0.089										8.5	8.3	0.01
6/15/13	0.094										8.3	8	0.01
6/16/13	0.116										8.6	8.2	0.01
6/17/13	0.099	5	2	0.34		4.127	1.651	0.281	0.120	15.320	9.1	8.3	0.01
6/18/13	0.093				20						9.2	8.3	0.01
6/19/13	0.082										8.7	8.8	0.01
6/20/13	0.084										8.4	8.4	0.01
6/21/13	0.083								•		8.3	8.3	0.01
6/22/13	0.093										8.3	8.3	0.01
6/23/13	0.099										8.3	8.3	0.01
6/24/13	0.086	4	3	0.28		2.854	2.140	0.200	0.117	44.980	8.4	8.2	0.01
6/25/13	0.168				15						8.2	8.3	0.01
6/26/13	0.275										8	8.4	0.01
6/27/13	0.252										8	8.2	0.01
6/28/13	0.215										7.9	8.2	0.01
6/29/13	0.231										7.7	8.1	0.01
6/30/13	0.231										7.6	8	0.01
Average	0.119	7	3	0.4	6.77	5	2.055	0.33	0.2	25.81	8.43	8	0.01
Maximum	0.275	13	3	0.6	20.00	10	2.357	0.4	0.3	44.98	9.20	9	0.01
Exceed.	0	0	0	0	0	0	0	0	0	0	0	0	0



700 West Liberty Street Louisville Kentucky 40203-1911 502-540-6000 www.msdlonky.org

June 5, 2013

Mr. Charlie Roth, District Supervisor KY Division of Water Louisville Regional Office 9116 Leesgate Road Louisville, KY 40222-5084

Re: Bypass Report for the Timber lake WQTC - KPDES Permit KY0043087

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 03:54 PM on June 05, 2013, referencing Work Order 1928851 as a dry weather discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: Approximately 900 gallons of plant biosolids bypassed plant #2 clarifier to Waters of the US. The bypassed volume received disinfection and dechlorination treatment. This was caused by the plant operator over wasting biosolids of plants #1, 3 &4.
- Period of noncompliance: Starting 04:15 PM on June 04, 2013 and stopping 05:15 PM on June 04, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD will retrain plant operator on the entire Timberlake SOP.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-587-5856, my cell phone at (502)-475-2224 or via email at kevin.thompson@louisvillemsd.org.

Sincerely,

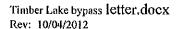
Kevin Thompson

Process Supervisor-Operations

cc: Courtney Seiz, KDEP

Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD

eB File







Report Selections: Last Full Month: 06/2013, treatment Plant: MSD0293 TIMBERLAKE, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatement Center	Receiving Stream of Treatment Center	Region
KY0043087	MSD0293	TIMBERLAKE	HARRODS CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0293	5504 TIMBER RIDGE DR		HARRODS CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	<u>Problem</u>	Result	Completed	Condition
DISDW:DRY WEATHER	1928851		6/4/13 4:15	MARKS JR	OPS CSHIFT	REPAIRED -	06/13/2013	BYPASS AT	UNAUTHORIZED	06/04/13 05:15	
DISCHARGE			pm			ISSUE		WQTC	DISCHAGE - WATERS	PM	
						RESOLVED					

Discharge Reporting:

Discharge Amount:	900 GAL
Cause:	WASTE WAS LEFT ON BY OPERATOR.CAUSING SOLIDS TO GET IN #2 PLANT.
Clean Up:	NO CLEAN UP SUBMERGED DISCHARGE.
Control Zone:	SIGNS POSTED.
Impact:	NO IMPACT SUBMERGED DISCHARGE.
Repair:	TURNED OFF RETURNS.
Public Notification:	SIGNS AT PLANT NOTIFIED PUBLIC.

Notifications:

6/4/13 7:52 am	DISNOT Manual discharge notification sent.	
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June 13, 2013

Mr. Charlie Roth, District Supervisor KY Division of Water Louisville Regional Office 9116 Leesgate Road Louisville, KY 40222-5084

Re: Bypass Report for the Timberlake WQTC - KPDES Permit KY0043087

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on June 13, 2013, referencing Work Order 1930971 as a dry weather discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: Sub-contractor was pumping clear liquid off the lagoon to the treatment plant in preparation for elimination. The rate of flow overwhelmed the #2 plant causing solids to wash out of the clarifier. Approximately 500 gallons of flow containing solids reached waters of the U.S.
- Period of noncompliance: Starting 10:25 AM on June 13, 2013 and stopping 10:35 AM on June 13, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD notified contractor to
 only pump clear liquid through the plant at a slower rate. MSD has increased inspection on this
 project.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-587-5856, my cell phone at (502)-475-2224 or via email at kevin.thompson@louisvillemsd.org.

Sincerely.

Kevin Thompson
Process Supervisor-Operations

cc: Courtney Seiz, KDEP

Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD

eB File



Report Selections: Last Full Month: 06/2013, treatment Plant: MSD0293 TIMBERLAKE, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES # Facility ID Water Quality Treatement Center Receiving Stream of Treatment Center Region

KY0043087 (Cont'd) MSD0293 TIMBERLAKE HARRODS CREEK EAST

WO# **Activity Code / Description** Ref No Initiated Initiated By **Assigned To Disch Status Event Date Problem** Result Completed Condition 1930971 **OPS BSHIFT SINGLETON** REPAIRED -06/13/2013 BYPASS AT DISDW:DRY WEATHER 6/13/2013 UNAUTHORIZED 06/13/13 10:35 WQTC 10:25:00AM EAST **ISSUE** DISCHARGE DISCHAGE - WATERS AM

RESOLVED

Discharge Reporting:

Discharge Amount:	500 GAL
Cause:	CONTRACTOR PUMPING LAGOON BACK INTO PLANT CAUSED PLANT TO DISCHARGE
Clean Up:	NO CLEANUP
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	SOLIDS OBSERVED
Repair:	CONTRACTOR ORDERED TO CEASE OPERATIONS
Public Notification:	SUPERVISOR NOTIFIED CUSTOMER SERVICE; TEMPORARY SIGNS PLACED AROUND AFFECTED AREA

Notifications:

6/8/13 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
6/8/13 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org'
6/13/13 11:32 am	DISPUB	CUSTOMER SERVICE NOTIFIED & TEMPORARY SIGNS PLACED AROUND EFFECTED AREA.

Total Facilities Printed: 1

Total Work Orders Printed: 2