



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

February 13, 2014

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 January of 2014**

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 January 2014.

There were no exceedences, or overflows to report.

Also attached is a bypass report.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Thompson", written over a horizontal dotted line.

Kevin Thompson  
Process Supervisor

KT/ Timber Lake 01/14

Enclosures

CC T. Singleton  
R. Shaw



*Beneficial Use of Louisville's Biosolids  
www.louisvillegreen.com*

**DMR Copy of Record**

<b>Permit</b>					
<b>Permit #:</b>	<b>KY0043087</b>	<b>Permittee:</b>	TIMBERLAKE WQTC MSD	<b>Facility:</b>	TIMBERLAKE WQTC MSD
<b>Major:</b>	No	<b>Permittee Address:</b>	5504 TIMBER RIDGE RD PROSPECT, KY 40059	<b>Facility Location:</b>	5504 TIMBER RIDGE RD PROSPECT, KY 40059
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-2</b> MUNICIPAL DISCHARGE		

<b>Report Dates &amp; Status</b>					
<b>Monitoring Period:</b>	<b>From 01/01/14 to 01/31/14</b>	<b>DMR Due Date:</b>	<b>02/28/14</b>	<b>Status:</b>	<b>NetDMR Validated</b>

**Considerations for Form Completion**

<b>Principal Executive Officer</b>					
<b>First Name:</b>	Greg	<b>Title:</b>	Executive Director	<b>Telephone:</b>	502-540-6000
<b>Last Name:</b>	Heitzman				

**No Data Indicator (NODI)**  
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type			
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units	
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample					=	8					19 - mg/L	01/01 - Daily	GR - GRAB		
					Permit Req.					>=	7 INST MIN					19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample					=	7				=	9	12 - SU	01/01 - Daily	GR - GRAB	
					Permit Req.					>=	6 MINIMUM				<=	9 MAXIMUM	12 - SU	0	01/07 - Weekly	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	4	=	8	26 - lb/d	=	6	=	13	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.	<=	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															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							22		25	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample															
					Permit Req.	<=	3.3 30DA AVG	<=	5 DAILY MX	26 - lb/d	<=	2 30DA AVG	<=	3 DAILY MX	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Value NODI		9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period			9 - Conditional Monitoring - Not Required This Period		9 - Conditional Monitoring - Not Required This Period						
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.1	=	0.2	26 - lb/d	=	0.2	=	0.3	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.	<=	8.3 30DA AVG	<=	12.5 DAILY MX	26 - lb/d	<=	5 30DA AVG	<=	7.5 DAILY MX	19 - mg/L	0	01/07 - Weekly	CP - COMPOS		
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample							=	0.8	=	1.8	19 - mg/L	05/30 - 5 Times Every Month	CP - COMPOS		
					Permit Req.							<=	1 30DA AVG	<=	2 DAILY MX	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.091	=	0.116	03 - MGD							99/99 - Continuous	CN - CONTIN		
					Permit Req.		Req Mon 30DA AVG		Req Mon INST MAX	03 - MGD							0	01/07 - Weekly	CN - CONTIN	
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample							<	0.01	<	0.01	19 - mg/L	01/01 - Daily	GR - GRAB		
					Permit Req.							<=	.011 30DA AVG	<=	.019 DAILY MX	19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Value NODI															
		1 - Effluent			Sample							=	51	=	16	13 - #/100mL	05/30 - 5 Times Every Month	GR - GRAB		
					Permit													13 -		



Timberlake

Timberlake Tot. Flow= Date	Report for Flow	Jan-14 Concentrations TSS	BOD	NH3	Tot. Exc.= ECOLI	0 (Influent data below.) TSS	BOD	NH3	Tot. Phos.	Tot. N	D.O.	p.H.	TRC
1/1/14	2.87604 0.084										9.1	7.8	0.01
1/2/14	0.090	3	2	0.22		2.254	1.503	0.165	0.300	19.100	8.7	7.5	0.01
1/3/14	0.077				4						9.2	7.5	0.01
1/4/14	0.095										9.2	8.5	0.01
1/5/14	0.116										9	7.6	0.01
1/6/14	0.095										8	7.6	0.01
1/7/14	0.099										8.2	7.5	0.01
1/8/14	0.081										8.4	7.3	0.01
1/9/14	0.088	3	11	0.28		2.208	8.095	0.206	1.760	22.710	8.6	7.3	0.01
1/10/14	0.077				249						8.2	7.4	0.01
1/11/14	0.137												0.01
1/12/14	0.109										8.9	7.5	0.01
1/13/14	0.096										8.5	7.3	0.01
1/14/14	0.080				1						8	7.4	0.01
1/15/14	0.081										8.4	7.5	0.01
1/16/14	0.096	4	2	0.17		3.193	1.597	0.136	0.279	22.910	8	7.3	0.01
1/17/14	0.092				1						8	7.4	0.01
1/18/14	0.105										8	7.4	0.01
1/19/14	0.097										8	7.4	0.01
1/20/14	0.099										8.8	7.8	0.01
1/21/14	0.081										8.1	7.5	0.01
1/22/14	0.082										8.7	7.3	0.01
1/23/14	0.078	13	4	0.11	1	8.426	2.593	0.071	0.658	24.510	8.2	7.4	0.01
1/24/14	0.085										8.9	7.7	0.01
1/25/14	0.097										8.3	7.5	0.01
1/26/14	0.097										8	7.6	0.01
1/27/14	0.094										8.5	7.5	0.01
1/28/14	0.083										8.3	7.3	0.01
1/29/14	0.086								1.110		8.1	7.4	0.01
1/30/14	0.099										8	7.5	0.01
1/31/14	0.100										8.000	7.500	0.010
Average	0.093	6	5	0.2	3.98	4	3.447	0.14	0.8	22.31	8.41	8	0.01
Maximum	0.137	13	11	0.3	16.00	8	8.095	0.2	1.8	24.51	9.20	9	0.01
Exceed.	0	0	0	0	0	0	0	0					



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

January 9, 2014

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 AM on January 06, 2014, referencing Work Order 2091866 as a Bypass. 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: The Timber Lake WQTC experienced a bypass of secondary solids at the #2 plant. Approximately 121 gallons of biosolids bypassed secondary treatment due to debris accumulating and restricting flow to plants #3 and #4. Due to this obstruction, all of the influent flow was forced to plants #1 and #2. This increased flow exceeded hydraulic capacity and displaced solids in plant #2. The bypass volume did receive preliminary and disinfection treatment.
- Period of noncompliance: Starting 01:50 PM on January 05, 2014 and stopping 01:54 PM on January 05, 2014.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD staff adjusted flow distribution gates to reduce hydraulic overloading of plants #1 & #2.
- Additional comments: No additional comments

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-587-5832, my cell phone at (502)-396-4422 or via email at millsr@louisvillemsd.org.

Sincerely,

Richard Mills  
Process Supervisor-Operations

cc: Courtney Seitz, KDEP  
Paula Purifoy, MSD  
eB File





Report Selections: Period: 01/01/2014 00:00 thru 01/31/2014 23:59, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment 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	Problem	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	2091866		1/5/14 1:50 pm	MARKS JR	OPS BSHIFT EAST	REPAIRED - ISSUE RESOLVED	01/05/2014	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	01/05/14 01:54 PM	

**Discharge Reporting:**

Discharge Amount:	121 GAL
Cause:	debris blocking splitter box caused overflow of plant #2
Clean Up:	msd cleaned and sanitized area
Control Zone:	msd used tape and signs to warn public
Impact:	sewage overflow observed
Repair:	msd removed and cleared blockage
Public Notification:	msd used signs to warn public

**Notifications:**

12/25/13 1:01 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
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Total Facilities Printed: 13

Total Work Orders Printed: 15