



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

January 15, 2015

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 December 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 December 2014.

There were no exceedences, bypasses or overflow reports for the month of December.

If you have any questions concerning the attached DMRs, please contact me at (502) 540-6031.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Kessel", is written over a horizontal line.

John Kessel
Process Supervisor, West region

JK/ Timber Lake 12/14

Enclosures

CC T. Singleton
R. Shaw
C. Roth



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

DMR Copy of Record

Permit

Permit #:

KY0043087

Major:

No

Permitted Feature:

001
External Outfall

Permittee:

TIMBERLAKE WQTC MSD

Permittee Address:

5504 TIMBER RIDGE RD
PROSPECT, KY 40059

Discharge:

001-2
MUNICIPAL DISCHARGE

Facility:

TIMBERLAKE WQTC MSD

Facility Location:

5504 TIMBER RIDGE RD
PROSPECT, KY 40059

Report Dates & Status

Monitoring Period:

From 12/01/14 to 12/31/14

DMR Due Date:

01/28/15

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Greg

Last Name:

Hetizman

Title:

Exec Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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Code	Parameter	Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration								# of Ex.	Frequency of Analysis	Sample Type
	Name					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	0	01/01 - Daily	GR - GRAB	
					Permit Req.						>=	7 INST MIN					19 - mg/L				
					Value NODI																
00400	pH	1 - Effluent Gross	0	--	Sample						=	7				=	8	0	01/01 - Daily	GR - GRAB	
					Permit Req.						>=	6 MINIMUM				<=	9 MAXIMUM				
					Value NODI																
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	3	=	5	26 - lb/d			=	5		=	7	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	50 30DA AVG	<=	75 DAILY MX	26 - lb/d			<=	30 30DA AVG		<=	45 DAILY MX				
					Value NODI																
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	11		=	12	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.									Req Mon 30DA AVG			Req Mon DAILY MX				
					Value NODI																
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample													0	01/07 - Weekly	24 - COMP24	
					Permit Req.	<=	3.3 30DA AVG	<=	5 DAILY MX	26 - lb/d			<=	2 30DA AVG		<=	3 DAILY MX				
					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	=	1.3	=	4.1	26 - lb/d			=	2		=	5.8	0	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				
					Value NODI																
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	0.4		=	0.5	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.								<=	1 30DA AVG		<=	2 DAILY MX				
					Value NODI																
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.092	=	0.157	03 - MGD								0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon 30DA AVG		Req Mon INST MAX	03 - MGD											
					Value NODI																
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								<	0.01		<	0.01	0	01/01 - Daily	GR - GRAB	
					Permit Req.								<=	.011 30DA AVG		<=	.019 DAILY MX				
					Value NODI																
					Sample								=	3		=	26		01/07 - Weekly	GR - GRAB	
					Permit												13 - #/100mL 13 -				

51040	E. coli	1 - Effluent Gross	0	--	Req.										<=	130	30DA GEO	<=	240	7 DA GEO	#/100mL	0		01/07 - Weekly	GR - GRAB
					Value NODI																				
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	2.6		=	4	26 - lb/d				=	4		=	5		19 - mg/L	0		01/07 - Weekly	CP - COMPOS
					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 contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

Name		Type	Size
Timberlake_cover_122014.pdf		pdf	16584
TLAKE122014_MOR.pdf		pdf	26771

Report Last Saved By

TIMBERLAKE WQTC MSD

User:	kevin.thompson@louisvillemsd.org	Date/Time:	2015-01-24 11:20 (Time Zone: -05:00)
Name:	Kevin Thompson		
E-Mail:	kevin.thompson@louisvillemsd.org		

Timberlake

Timberlake	Report for	Dec-14		Tot. Exc.=		0		(Influent data below.)									
Tot. Flow=	2.85221	Concentrations		ECOLI		Pounds											
Date	Flow	TSS	BOD	NH3	ECOLI	TSS	BOD	NH3	Tot. Phos.	Tot. N	TSS Rem	BOD Rem	D.O.	p.H.	TRC		
12/1/14	0.082												8	7.2	0.01		
12/2/14	0.085	2	5	5.8		1.418	3.545	4.112	0.466	12.460	0.997436	0.991087	8.3	7.3	0.01		
12/3/14	0.081				2								8	7.2	0.01		
12/4/14	0.086												9.3	6.6	0.01		
12/5/14	0.090												8.5	6.8	0.01		
12/6/14	0.157												8.3	7	0.01		
12/7/14	0.101												8.3	6.8	0.01		
12/8/14	0.100												8.8	7	0.01		
12/9/14	0.075	3	3	0.34		1.887	1.887	0.214	0.392	10.410	0.993534	0.990385	8.4	7.1	0.01		
12/10/14	0.087				26								9	7	0.01		
12/11/14	0.075												9.8	7.2	0.01		
12/12/14	0.080												8.9	7.2	0.01		
12/13/14	0.103												9	7.2	0.01		
12/14/14	0.098												8.9	7	0.01		
12/15/14	0.088												9.5	7.9	0.01		
12/16/14	0.076	7	5	0.4		4.447	3.177	0.254	0.292	7.540	0.989147	0.982818	8.7	7.3	0.01		
12/17/14	0.082				1								8.5	7.3	0.01		
12/18/14	0.084												8.4	7.4	0.01		
12/19/14	0.088												8.2	7.2	0.01		
12/20/14	0.095												8.3	7	0.01		
12/21/14	0.088												8	7.6	0.01		
12/22/14	0.099	6	2	0.84		4.970	1.657	0.696	0.452	12.210	0.97551	0.990291	8.5	7.4	0.01		
12/23/14	0.103				1								8	7.3	0.01		
12/24/14	0.109												7.8	7.4	0.01		
12/25/14	0.093												8.1	7.4	0.01		
12/26/14	0.095												8.3	7.2	0.01		
12/27/14	0.101												8.1	7.3	0.01		
12/28/14	0.102								0.148				7.5	7.3	0.01		
12/29/14	0.104												8	7	0.01		
12/30/14	0.068												9.1	7.5	0.01		
12/31/14	0.075												9.0	7.4	0.01		
Average	0.092	5	4	2	2.69	3	2.566	1.32	0.4	10.66	99%	99%	8.50	7	0.01		
Maximum	0.157	7	5	5.8	26.00	5	3.545	4.1	0.5	12.46			9.80	8	0.01		
Exceed.	0	0	0	0	0	0	0	0			0	0					