



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

June 19, 2013

Cheryl Edwards  
Kentucky Division of Water  
200 Fair Oaks Lane  
Frankfort, Kentucky 40601

**Re: MSD Metro Operations  
Shadow Wood WQTC; KPDES No.: KY0031810  
Discharge Monitoring Reports for May 2013.**

Dear Ms. Edwards:

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Shadow Wood WQTC; KPDES No.: KY0031810 for the month of May 2013.

There were no exceedences, overflows or bypasses to reports for this month.

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 white background.

Kevin Thompson  
Process Supervisor, East Region

KT/Shadow Wood 05/13.

Enclosures

cc: T. Singleton  
R. Shaw



Beneficial Use of Louisville's Biosolids  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

**DMR Copy of Record**

<b>Permit</b>			
Permit #:	KY0031810	Permittee:	SHADOWWOOD WQTC MSD
Major:	No	Permittee Address:	5497 FOREST LAKE DR LOUISVILLE, KY 40059
Permitted Feature:	001 External Outfall	Discharge:	001-1 SANITARY WASTEWATER
Facility:		Facility Location:	SHADOWWOOD WQTC MSD 5497 FOREST LAKE DR LOUISVILLE, KY 40059

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 05/01/13 to 05/31/13	DMR Due Date:	06/28/13
Status:	NetDMR Validated		

**Considerations for Form Completion**

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

**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											01/01 - Daily	GR - GRAB				
					Permit Req.	>=	7 INST MIN													01/07 - Weekly	GR - GRAB		
					Value NODI																		
00400	pH	1 - Effluent Gross	0	--	Sample	=	8				=	9						01/01 - Daily	GR - GRAB				
					Permit Req.	>=	6 MINIMUM				<=	9 MAXIMUM								01/07 - Weekly	GR - GRAB		
					Value NODI																		
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	4.1	=	5.5	26 - lb/d			=	19	=	26	19 - mg/L		01/07 - Weekly	CP - COMPOS			
					Permit Req.	<=	21.3 30DA AVG	<=	42.6 DAILY MX	26 - lb/d			<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L			01/07 - Weekly	CP - COMPOS		
					Value NODI																		
00610	Nitrogen, ammonia total (as N)	1 - Effluent Gross	1	--	Sample	=	0.1	=	0.14	26 - lb/d			=	0.5	=	0.6	19 - mg/L		01/07 - Weekly	CP - COMPOS			
					Permit Req.	<=	1.42 30DA AVG	<=	2.84 DAILY MX	26 - lb/d			<=	2 30DA AVG	<=	4 DAILY MX	19 - mg/L			01/07 - Weekly	CP - COMPOS		
					Value NODI																		
00665	Phosphorus, total (as P)	1 - Effluent Gross	0	--	Sample							=	0.2	=	0.3	19 - mg/L		05/30 - 5 Times Every Month	CP - COMPOS				
					Permit Req.																01/07 - Weekly	CP - COMPOS	
					Value NODI																		
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.031	=	0.052	03 - MGD									99/99 - Continuous	CN - CONTIN			
					Permit Req.																	99/99 - Continuous	CN - CONTIN
					Value NODI																		
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample							=	2	=	2	13 - #/100mL		01/07 - Weekly	GR - GRAB				
					Permit Req.																01/07 - Weekly	GR - GRAB	
					Value NODI																		
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	0.7	=	0.9	26 - lb/d			=	4	=	5	19 - mg/L		01/07 - Weekly	CP - COMPOS			
					Permit Req.	<=	7.09 30DA AVG	<=	14.2 DAILY MX	26 - lb/d			<=	10 30DA AVG	<=	20 DAILY MX	19 - mg/L			01/07 - Weekly	CP - COMPOS		
					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
THOMPSON_0627124133_001.pdf	pdf	19519

**Report Last Saved By**  
SHADOWWOOD WQTC MSD

User:	kevin.thompson@louisvillemsd.org	Date/Time:	2013-06-27 12:43 (Time Zone: -04:00)
Name:	Kevin Thompson		
E-Mail:	kevin.thompson@louisvillemsd.org		

SHADOW WOOD		Report for	May-13		Tot. Exc.=		0					
Tot. Flow=	0.94718		Concentrations				Pounds		Conc.			
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	T Phos	D.O.	p.H.	TRC
5/1/13	0.027									9.4	8.3	<MDL
5/2/13	0.028	17	3	0.28		4.014	0.708	0.066	0.167	9.2	8.1	<MDL
5/3/13	0.031				2					9.1	8.4	<MDL
5/4/13	0.035									9.2	8.3	<MDL
5/5/13	0.049									9.3	8	<MDL
5/6/13	0.029									9.7	8.2	<MDL
5/7/13	0.026									9.7	8.7	<MDL
5/8/13	0.026									9.3	8.4	<MDL
5/9/13	0.027	23	4	0.62		5.194	0.903	0.140	0.1	9	8.2	<MDL
5/10/13	0.036				2					8.2	8.2	<MDL
5/11/13	0.042									8.5	8	<MDL
5/12/13	0.035									8.8	8.2	<MDL
5/13/13	0.024									9.8	8.4	<MDL
5/14/13	0.021									9.8	8.6	<MDL
5/15/13	0.030									9.2	8.7	<MDL
5/16/13	0.018	11	5	0.5		1.655	0.752	0.075	0.188	8.4	8.2	<MDL
5/17/13	0.030				2					8.8	8.4	<MDL
5/18/13	0.032									8.7	8.2	<MDL
5/19/13	0.037									8.9	8.2	<MDL
5/20/13	0.031									8.6	8.6	<MDL
5/21/13	0.024									8.3	8.5	<MDL
5/22/13	0.027									8.2	8.3	<MDL
5/23/13	0.025	26	2	0.56		5.460	0.420	0.118	0.307	8.4	8.7	<MDL
5/24/13	0.022				2					9.6	8.8	<MDL
5/25/13	0.032									10	8.4	<MDL
5/26/13	0.022									10	8	<MDL
5/27/13	0.052									10	8.1	<MDL
5/28/13	0.031								0.296	8.5	8.7	<MDL
5/29/13	0.031									9	8.5	<MDL
5/30/13	0.034									8.8	8.3	<MDL
5/31/13	0.031									8.4	8.6	<MDL
Average	0.031	19	4	0.5	2.00	4	0.696	0.10	0.2	9.06	8	0.00
Maximum	0.052	26	5	0.6	2.00	5	0.903	0.1	0.3	10.00	9	0.00
Exceed.	0	0	0	0	0	0	0	0	0			