



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

October 11, 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 September 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 September 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 that reads "Kevin Thompson". The signature is fluid and cursive, with the first name being more prominent.

Kevin Thompson  
Process Supervisor, East Region

KT/Shadow Wood 09/13.

Enclosures

cc: T. Singleton  
R. Shaw



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

**DMR Copy of Record**

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

<b>Report Dates &amp; Status</b>			
Monitoring Period:	<b>From 09/01/13 to 09/30/13</b>	DMR Due Date:	<b>10/28/13</b>
Status:	<b>NetDMR Validated</b>		

**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	=	7				=	8						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	=	3.3	=	5	26 - lb/d	=	20	=	23	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	=	0.06	=	0.14	26 - lb/d	=	0.4	=	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						=	0.8	=	1	19 - mg/L			01/07 - Weekly	CP - COMPOS			
					Permit Req.							Req Mon 30DA AVG			Req Mon DAILY MX	19 - mg/L					01/07 - Weekly	CP - COMPOS
					Value NODI																	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.031	=	0.063	03 - MGD								99/99 - Continuous	CN - CONTIN			
					Permit Req.		Req Mon 30DA AVG		Req Mon INST MAX	03 - MGD											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.						<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	0				01/07 - Weekly	GR - GRAB	
					Value NODI																	
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	1.01	=	1.5	26 - lb/d	=	6	=	7	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**

<b>Attachments</b>		
Name	Type	Size
ShadowwoodMOR_092013.pdf	pdf	8676
Shadowwoodcoverletter_092013.pdf	pdf	16441

**Report Last Saved By**  
**SHADOWWOOD WQTC MSD**

User:	kevin.thompson@louisvillemsd.org	Date/Time:	2013-10-25 10:01 (Time Zone: -04:00)
Name:	Kevin Thompson		
E-Mail:	kevin.thompson@louisvillemsd.org		

SHADOW WOOD		Report for	Sep-13		Tot. Exc.=		0					
Tot. Flow=	0.91537		Concentrations				Pounds		Conc.			
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	T Phos	D.O.	p.H.	
9/1/13	0.063									7.7	7.8	
9/2/13	0.047									7.5	7.7	
9/3/13	0.030	20	7	0.39		4.971	1.740	0.097	0.829	8.5	7.4	
9/4/13	0.024				2					8.5	7.2	
9/5/13	0.026									8.6	7	
9/6/13	0.028									8.5	6.5	
9/7/13	0.033									8.4	6.7	
9/8/13	0.037									8.1	6.9	
9/9/13	0.030	20	6	0.56		4.967	1.490	0.139	1.02	8.3	6.6	
9/10/13	0.026				2					8	6.7	
9/11/13	0.026									8.1	6.9	
9/12/13	0.028									8.2	6.6	
9/13/13	0.024									8	6.8	
9/14/13	0.030									8.1	6.6	
9/15/13	0.033									8.2	6.8	
9/16/13	0.026	16	6	0.34		3.424	1.284	0.073	0.634	8	6.9	
9/17/13	0.022				2					7.9	6.8	
9/18/13	0.024									8.6	8.1	
9/19/13	0.027									8.3	7.4	
9/20/13	0.032									8.6	7.9	
9/21/13	0.057									8.8	8.1	
9/22/13	0.034									8.7	7.7	
9/23/13	0.025	23	6	0.22		4.790	1.249	0.046	0.626	8.4	7.4	
9/24/13	0.019				2					8.3	7.7	
9/25/13	0.022									8.1	7.6	
9/26/13	0.023									8.1	7.6	
9/27/13	0.031									8.2	8.1	
9/28/13	0.031									8.9	7.7	
9/29/13	0.033									8.9	7.9	
9/30/13	0.028									8.1	7.5	
Average	0.031	20	6	0.4	2.00	5	1.441	0.09	0.8	8.29	7	
Maximum	0.063	23	7	0.6	2.00	5	1.740	0.1	1.0	8.90	8	
Exceed.	0	0	0	0	0	0	0	0	0			