



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)

January 5, 2015

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 December 2014.**

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 December 2014.

There were no exceedances, overflows or bypasses to report 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 "Duane V. Wright". The signature is written in a cursive style with a large, sweeping "D" and "W".

Duane V. Wright  
Process Supervisor, East Region

DVW/Shadow Wood 12/14.

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 #:	<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 12/01/14 to 12/31/14</b>	DMR Due Date:	<b>01/28/15</b>
Status:	<b>NetDMR Validated</b>		

**Considerations for Form Completion**  
 TOTAL NITROGEN IS THE SUMMATION OF THE ANALYTICAL RESULTS FOR TOTAL NITRATES, TOTAL NITRITES AND TOTAL KJELDAHL NITROGEN

<b>Principal Executive Officer</b>			
First Name:	Greg	Title:	Exec. Dir.
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	=	7				=	7				19 - mg/L	0	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				=	8			12 - SU	0	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	=	0.9	=	1.7	26 - lb/d	=	3	=	5	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	21.3 MO AVG	<=	31.9 WKLY AVG	26 - lb/d	<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample	=					=	22	=	23	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.1	=	0.14	26 - lb/d	=	0.3	=	0.5	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	3.54 MO AVG	<=	5.32 WKLY AVG	26 - lb/d	<=	5 MO AVG	<=	7.5 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=					=	0.5	=	0.9	19 - mg/L	0	06/30 - Six Per Month	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.038	=	0.046	03 - MGD						0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon WKLY AVG	03 - MGD						0	99/99 - Continuous	CN - CONTIN	
					Value NODI														
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample	=					=	0.01	=	0.01	19 - mg/L	0	01/01 - Daily	GR - GRAB	
					Permit Req.						<=	.011 MO AVG	<=	.019 WKLY AVG	19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample	=					=	2	=	12	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Permit Req.						<=	130 30DA GEO	<=	240 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	=	0.88	=	1.01	26 - lb/d	=	3	=	3	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	7.09 MO AVG	<=	10.64 WKLY AVG	26 - lb/d	<=	10 MO AVG	<=	20 WKLY AVG	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**

<b>Attachments</b>		
Name	Type	Size
SHWOOD122014_COVER.pdf	pdf	16410
SHWOOD122014_MOR.pdf	pdf	18455

**Report Last Saved By**  
 SHADOWWOOD WQTC MSD

Name: Kevin Thompson  
E-Mail: kevin.thompson@louisvillemsd.org

<b>SHADOW WOOD</b>		Report for		<b>Dec-14</b>		Tot. Exc.=		0					
Tot. Flow= Date	1.18343 Flow	TSS	Concentrations		Ecoli	TSS	Pounds BOD	NH3	Conc. T Phos	D.O.	p.H.	TRC	Tot. N
12/1/14	0.043									7.3	7.1	0.01	
12/2/14	0.037	3	3	0.45		0.920	0.920	0.138	0.78	7.5	7.2	0.01	22.31
12/3/14	0.037				1					7.8	7.2	0.01	
12/4/14	0.038									7.7	7.1	0.01	
12/5/14	0.044									7.5	6.8	0.01	
12/6/14	0.071									7.4	7	0.01	
12/7/14	0.049									7.7	7	0.01	
12/8/14	0.034									7.9	7.1	0.01	
12/9/14	0.026	3	3	0.39		0.648	0.648	0.084	1.22	7.5	7.2	0.01	21.11
12/10/14	0.029				12					7.3	7.3	0.01	
12/11/14	0.031								0.577	9.5	7.9	0.01	
12/12/14	0.035									8.8	7.9	0.01	
12/13/14	0.035									8.9	7.7	0.01	
12/14/14	0.037									8.9	7.4	0.01	
12/15/14	0.032									8.3	7.4	0.01	
12/16/14	0.038	1	3	0.25		0.315	0.946	0.079	0.118	7.5	7.3	0.01	19.9
12/17/14	0.033				1					7.7	7.3	0.01	
12/18/14	0.031									8	7.3	0.01	
12/19/14	0.037									7.5	7.1	0.01	
12/20/14	0.036									7.6	7	0.01	
12/21/14	0.044									7.7	7.2	0.01	
12/22/14	0.040	5	3	0.28		1.679	1.008	0.094	0.138	7.9	7.2	0.01	23.29
12/23/14	0.042				1					7.5	7.4	0.01	
12/24/14	0.040									7.8	7.3	0.01	
12/25/14	0.037									8	7.4	0.01	
12/26/14	0.040									7.5	7.2	0.01	
12/27/14	0.042									7.8	7.3	0.01	
12/28/14	0.044								0.159	7.5	7.2	0.01	
12/29/14	0.033									7.7	7.3	0.01	
12/30/14	0.036									8	7.3	0.01	
12/31/14	0.034									8	7.3	0.01	
Average	0.038	3	3	0.3	1.86	1	0.880	0.10	0.5	7.86	7	0.01	21.65
Maximum	0.071	5	3	0.5	12.00	2	1.008	0.1	1.2	9.50	8	0.01	23.29
Exceed.	0	0	0	0	0	0	0	0	0				