



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

July 19, 2014

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 June 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 June 2014.

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 a long horizontal stroke at the end.

Kevin Thompson
Process Supervisor, East Region

KT/Shadow Wood 06/14.

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit			
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

Report Dates & Status			
Monitoring Period:	From 06/01/14 to 06/30/14	DMR Due Date:	07/28/14
Status:	NetDMR Validated		

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

Principal Executive Officer			
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	=	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	=	1.5	=	2.6	26 - lb/d	=	4	=	6	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	1 - Effluent Gross	0	--	Sample	=					=	29	=	31	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	1	--	Sample	=	0.09	=	0.11	26 - lb/d	=	0.2	=	0.3	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	1.42 MO AVG	<=	2.13 WKLY AVG	26 - lb/d	<=	2 MO AVG	<=	3 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=					=	0.1	=	0.2	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														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.051	=	0.052	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						=	1	=	1	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	=	2.24	=	6	26 - lb/d	=	5	=	13	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

Attachments

Name	Type	Size
201406_ShadowWood_MOR.pdf	pdf	9002
201406_ShadowWood_coverletter.pdf	pdf	16878

Report Last Saved By
 SHADOWWOOD WQTC MSD

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

SHADOW WOOD		Report for		Jun-14		Tot. Exc.=		0							
Tot. Flow= Date	1.52351 Flow	TSS	BOD	NH3	Ecoli	TSS	Pounds BOD	NH3	Conc. T Phos	D.O.	p.H.	TRC	Tot. N		
6/1/14	0.059									7.8	7.4	<0.010			
6/2/14	0.050	3	2	0.17		1.246	0.831	0.071	0.1	7.9	7.2	<0.010	27.21		
6/3/14	0.044				1					7.4	7.3	<0.010			
6/4/14	0.038									7.2	7.2	<0.010			
6/5/14	0.038									7.3	7.2	<0.010			
6/6/14	0.052									7.4	7.3	<0.010			
6/7/14	0.059									7.2	6.6	<0.010			
6/8/14	0.056									7.4	7.4	<0.010			
6/9/14	0.056	3	13	0.22		1.395	6.044	0.102	0.108	7.7	7.2	<0.010	27.51		
6/10/14	0.039				1					7.9	7.4	<0.010			
6/11/14	0.051									7.5	7.1	<0.010			
6/12/14	0.048									7.5	7.3	<0.010			
6/13/14	0.056									7.9	7.1	<0.010			
6/14/14	0.054									7.6	7.2	<0.010			
6/15/14	0.067									7.4	7.1	<0.010			
6/16/14	0.052	6	3	0.17		2.599	1.300	0.074	0.229	7.1	7.3	<0.010	30.01		
6/17/14	0.038				1					7.3	7.2	<0.010			
6/18/14	0.043									7.1	7.3	<0.010			
6/19/14	0.047									7.4	7.5	<0.010			
6/20/14	0.051									7.1	7.2	<0.010			
6/21/14	0.056									7.3	7.3	<0.010			
6/22/14	0.052									7.5	7.3	<0.010			
6/23/14	0.048	2	2	0.28		0.801	0.801	0.112	0.1	7.4	7.3	<0.010	30.77		
6/24/14	0.053				1					7.2	7.4	<0.010			
6/25/14	0.039									7.3	7.2	<0.010			
6/26/14	0.053									7	7.4	<0.010			
6/27/14	0.059									7	7.4	<0.010			
6/28/14	0.057									7.2	7.3	<0.010			
6/29/14	0.058									7.9	7.4	<0.010			
6/30/14	0.051									7.3	7.3	<0.010			
Average	0.051	4	5	0.2	1.00	2	2.244	0.09	0.1	7.41	7	<0.010	28.88		
Maximum	0.067	6	13	0.3	1.00	3	6.044	0.1	0.2	7.90	8	<0.010	30.77		
Exceed.	0	0	0	0	0	0	0	0	0						