



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

August 13, 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 July 2015.**

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 July 2015.

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, appearing to read "Duane V. Wright". The signature is fluid and cursive.

Duane V. Wright
Process Supervisor, East Region

DVW/Shadow Wood 07/15.

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 PROSPECT, KY 40059

Report Dates & Status			
Monitoring Period:	From 07/01/15 to 07/31/15	DMR Due Date:	08/28/15
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:	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	01/07 - Weekly		GR - GRAB	
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7				=	7			12 - SU	0	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	6 MINIMUM								12 - SU		01/07 - Weekly	GR - GRAB	
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	1.7	=	2	26 - lb/d	=	4	=	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		01/07 - Weekly	24 - COMP24	
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample	=					=	18	=	22	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.										19 - mg/L		01/07 - Weekly	24 - COMP24	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	0.21	=	0.27	26 - lb/d	=	0.5	=	0.5	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		01/07 - Weekly	24 - COMP24	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=					=	0.3	=	0.4	19 - mg/L	0	05/30 - 5 Times Every Month	CP - COMPOS	
					Permit Req.										19 - mg/L		01/07 - Weekly	24 - COMP24	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.058	=	0.081	03 - MGD						0	99/99 - Continuous	CN - CONTIN	
					Permit Req.												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		01/07 - Weekly	GR - GRAB	
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	4	=	23	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Permit Req.						<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL		01/07 - Weekly	GR - GRAB	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	2.6	=	3.02	26 - lb/d	=	6	=	8	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		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
SHWOOD072015_MOR.pdf	pdf	25672
SHWOOD072015_COVER.pdf	pdf	45833

Report Last Saved By
SHADOWWOOD WQTC MSD

Name: Kevin Ries

E-Mail: kevin.ries@louisvillemsd.org

SHADOW WOOD		Report for		Jul-15		Tot. Exc.=		0					
Tot. Flow=		1.783209		Concentrations				Pounds		Conc.			
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	T Phos	D.O.	p.H.	TRC	Tot. N
7/1/15	0.042	3	5	0.5		1.060	1.767	0.177	0.169	7	7.2	<0.010	20.86
7/2/15	0.050				23					7.6	7.4	<0.010	
7/3/15	0.060									7.4	7.2	<0.010	
7/4/15	0.053									7.5	7.3	<0.010	
7/5/15	0.051									7.4	7.2	<0.010	
7/6/15	0.049									7.5	7.1	<0.010	
7/7/15	0.044									7.4	7.3	<0.010	
7/8/15	0.060	4	6	0.53		2.015	3.022	0.267	0.379	7	6.9	<0.010	21.56
7/9/15	0.069				11					7.5	7.2	<0.010	
7/10/15	0.068									7.3	7.2	<0.010	
7/11/15	0.064									7.3	7.1	<0.010	
7/12/15	0.125									7.1	7	<0.010	
7/13/15	0.078									7	7.1	<0.010	
7/14/15	0.101									7.1	7.1	<0.010	
7/15/15	0.058									7	7.2	<0.010	
7/16/15	0.054	4	6	0.45		1.817	2.726	0.204	0.192	7.1	7.1	<0.010	13.16
7/17/15	0.050				1					7.2	7.3	<0.010	
7/18/15	0.071									7.4	7.2	<0.010	
7/19/15	0.083									7.1	7.4	<0.010	
7/20/15	0.050									7.2	7.2	<0.010	
7/21/15	0.039									7.4	7.1	<0.010	
7/22/15	0.043	5	8	0.48		1.794	2.870	0.172	0.278	7	7	<0.010	16.86
7/23/15	0.045				1					7.4	7.2	<0.010	
7/24/15	0.046									7.2	7.1	<0.010	
7/25/15	0.050									7.8	7.4	<0.010	
7/26/15	0.054									7.6	7.3	<0.010	
7/27/15	0.050								0.278	7.5	7.4	<0.010	
7/28/15	0.034									7.4	7.2	<0.010	
7/29/15	0.043									7.2	7.2	<0.010	
7/30/15	0.048									7.3	7	<0.010	
7/31/15	0.049									7.2	7	<0.010	
Average	0.058	4	6	0.5	3.99	2	2.596	0.21	0.3	7.29	7	0.00	18.11
Maximum	0.125	5	8	0.5	23.00	2	3.022	0.3	0.4	7.80	7	0.00	21.56
Exceed.	1	0	0	0	0	0	0	0	0				