



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

September 8, 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 August 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 August 2015.

This plant stopped discharging flow on September 1, 2015. MSD personnel E-mailed a No Discharge Certification letter to Ann Workman on September 8, 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", written in a cursive style.

Duane V. Wright
Process Supervisor, East Region

DVW/Shadow Wood 08/15.

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 08/01/15 to 08/31/15	DMR Due Date:	09/28/15
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	0	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	0	01/07 - Weekly	GR - GRAB
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	3.2	=	6.2	26 - lb/d	=	7	=	12	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	=	27	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.														
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	0.11	=	0.14	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	=					=	0.4	=	0.8	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.														
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.047	=	0.048	03 - MGD						0	99/99 - Continuous	CN - CONTIN	
					Permit Req.												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						=	7	=	19	13 - #/100mL	0	06/30 - Six Per Month	GR - GRAB	
					Permit Req.						<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	3.02	=	4.64	26 - lb/d	=	7	=	9	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
 See cover letter

Attachments		
Name	Type	Size
SHWOOD082015_COVER.pdf	pdf	49853
SHWOOD082015_MOR.pdf	pdf	25693

Report Last Saved By
 SHADOWWOOD WQTC MSD

Name: Kevin Ries
E-Mail: kevin.ries@louisvillemisd.org

SHADOW WOOD		Report for		Aug-15		Tot. Exc.=		0					
Tot. Flow= Date	1.46751 Flow	TSS	Concentrations		Ecoli	TSS	Pounds BOD	NH3	Conc. T Phos	D.O.	p.H.	TRC	Tot. N
			BOD	NH3									
8/1/15	0.051									8	7	<0.010	
8/2/15	0.054	9	2	0.17		4.031	0.896	0.076	0.104	7.5	6.8	<0.010	26.53
8/3/15	0.045				1					7.7	7.1	<0.010	
8/4/15	0.039									7.8	7	<0.010	
8/5/15	0.043									8.1	7.2	<0.010	
8/6/15	0.043									7.7	7.1	<0.010	
8/7/15	0.045									8	7.2	<0.010	
8/8/15	0.051									7.7	6.8	<0.010	
8/9/15	0.052	3	8	0.2		1.293	3.447	0.086	0.403	7.8	7	<0.010	19.28
8/10/15	0.043				326					7.9	7.1	<0.010	
8/11/15	0.041									7.7	7.1	<0.010	
8/12/15	0.042				1					7.9	7.2	<0.010	
8/13/15	0.042									7.7	7.1	<0.010	
8/14/15	0.050									7.9	7.3	<0.010	
8/15/15	0.051									7.8	7.1	<0.010	
8/16/15	0.053	3	7	0.27		1.334	3.113	0.120	0.442	7.7	7.2	<0.010	21.09
8/17/15	0.043				345					7.5	7	<0.010	
8/18/15	0.042									7.7	7.1	<0.010	
8/19/15	0.049				1					7.5	7.2	<0.010	
8/20/15	0.044									7.3	7.1	<0.010	
8/21/15	0.046									7.7	7.3	<0.010	
8/22/15	0.056									7.4	7	<0.010	
8/23/15	0.062	12	9	0.28		6.190	4.642	0.144	0.796	7.4	7.1	<0.010	22.66
8/24/15	0.047				1					7.5	7.2	<0.010	
8/25/15	0.035									7.7	7.1	<0.010	
8/26/15	0.046									7.5	7.2	<0.010	
8/27/15	0.046									7.3	7	<0.010	
8/28/15	0.045									7.4	7.2	<0.010	
8/29/15	0.054									7.3	7	<0.010	
8/30/15	0.059									7.2	6.9	<0.010	
8/31/15	0.047									7.2	7	<0.010	
Average	0.047	7	7	0.2	6.95	3	3.024	0.11	0.4	7.63	7	0.00	22.39
Maximum	0.062	12	9	0.3	345.00	6	4.642	0.1	0.8	8.10	7	0.00	26.53
Exceed.	0	0	0	0	0	0	0	0	0				