



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

November 11, 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 October 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 October 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 cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor, East Region

DVW/Shadow Wood I0/14.

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit

Permit #:
Major:

KY0031810
No

Permittee:
Permittee Address:

SHADOWWOOD WQTC MSD
5497 FOREST LAKE DR
LOUISVILLE, KY 40059

Facility:
Facility Location:

SHADOWWOOD WQTC MSD
5497 FOREST LAKE DR
LOUISVILLE, KY 40059

Permitted Feature:

001
External Outfall

Discharge:

001-1
SANITARY WASTEWATER

Report Dates & Status

Monitoring Period:

From 10/01/14 to 10/31/14

DMR Due Date:

11/28/14

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:
Last Name:

Greg
Heitzman

Title:

Exec. Dir.

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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					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			=	8	12 - SU	0	01/01 - Daily	GR - GRAB
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		01/07 - Weekly	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	1.6	=	1.9	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								=	23	=	33	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon WKLY AVG	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	0.2	=	0.23	26 - lb/d			=	0.5	=	0.7	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								=	0.1	=	0.3	19 - mg/L	0	05/30 - 5 Times Every Month	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon WKLY AVG	19 - mg/L		01/07 - Weekly	24 - COMP24
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.046	=	0.054	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon WKLY AVG	03 - MGD									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								=	2	=	10	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, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	1.14	=	1.54	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		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
SHADOWWOOD102014_COVER.pdf	pdf	17510
SHADOWWOOD102014_MOR.pdf	pdf	25708

Report Last Saved By

SHADOWWOOD WQTC MSD

User:

kevin.thompson@louisvillemsd.org

Date/Time:

2014-11-25 10:20 (Time Zone: -05:00)

SHADOW WOOD		Report for		Oct-14		Tot. Exc.=		0								
Tot. Flow=		1.43176	Concentrations				Pounds		Conc.							
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	T Phos	D.O.	p.H.	TRC	Tot. N			
10/1/14	0.044									7.2	7.3	<0.010				
10/2/14	0.038	5	3	0.67		1.580	0.948	0.212	0.143	7.1	7.2	<0.010	32.61			
10/3/14	0.042				1					7.2	7.3	<0.010				
10/4/14	0.049									7.4	7.3	<0.010				
10/5/14	0.048									7.5	7.3	<0.010				
10/6/14	0.044									7.4	7.2	<0.010				
10/7/14	0.045									7.2	7.2	<0.010				
10/8/14	0.045									7.4	7.2	<0.010				
10/9/14	0.046	5	3	0.56		1.921	1.152	0.215	0.142	7.4	7.5	<0.010	20.41			
10/10/14	0.052				10					7.4	7.2	<0.010				
10/11/14	0.050									7.3	7.1	<0.010				
10/12/14	0.051									7.3	7.1	<0.010				
10/13/14	0.062									7.1	7.3	<0.010				
10/14/14	0.068									7.3	7.2	<0.010				
10/15/14	0.056									7.2	7.1	<0.010				
10/16/14	0.062	3	3	0.45		1.544	1.544	0.232	0.079	7.4	7.3	<0.010	19.51			
10/17/14	0.049				1					7.1	7.1	<0.010				
10/18/14	0.050									7.3	7.2	<0.010				
10/19/14	0.047									7.3	7.2	<0.010				
10/20/14	0.042									7.5	7.4	<0.010				
10/21/14	0.035									7.3	7.3	<0.010				
10/22/14	0.042									7.1	7.2	<0.010				
10/23/14	0.037	4	3	0.5		1.241	0.931	0.155	0.254	7.3	7.4	<0.010	21.45			
10/24/14	0.040				1					7.5	7.2	<0.010				
10/25/14	0.047									7.2	7.3	<0.010				
10/26/14	0.046									7.6	7.3	<0.010				
10/27/14	0.042									7.3	7.4	<0.010				
10/28/14	0.038									7.1	7.2	<0.010				
10/29/14	0.040									7.2	7.4	<0.010				
10/30/14	0.038								0.09	7.8	7	<0.010				
10/31/14	0.036									7.3	7.1	<0.010				
Average	0.046	4	3	0.5	1.78	2	1.144	0.20	0.1	7.31	7	0.00	23.50			
Maximum	0.068	5	3	0.7	10.00	2	1.544	0.2	0.3	7.80	8	0.00	32.61			
Exceed.	0	0	0	0	0	0	0	0	0							