



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 18, 2011

Crystal Thompson  
DMR Coordinator  
200 Fair Oaks Lane  
Frankfort, Kentucky 40601

**Re: MSD Metro Operations  
Shadow Wood WQTC; KPDES No.: KY0031810  
Discharge Monitoring Reports –December 2010**

Dear Ms. Thompson:

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 2010.

There were no exceedences, overflow reports or bypass reports to report 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 "Richard Mills". The signature is written in a cursive style.

Richard Mills  
Process Supervisor, East Region

RM/Shadow Wood 1210

Enclosures

cc: C. Roth (DOW Louisville)  
T. Singleton  
R. Shaw



Beneficial Use of Louisville's Biosolids  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

NAME SHADOWWOOD WQTC  
ADDRESS C/O JOHN KESSEL  
5512 MITT LN  
LOUISVILLE KY 40241  
FACILITY SHADOWWOOD WQTC  
LOCATION LOUISVILLE KY 40057  
ATTN: MARION M GEE

KY0031810  
PERMIT NUMBER

001 1  
DISCHARGE NUMBER

MINOR  
(SUBR LV)  
F - FINAL  
SANITARY WASTEWATER  
EFFLUENT  
\*\*\* NO DISCHARGE 1 1 \*\*\*

JEFFE

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
70	12	01	TO	70	12	01

NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO)	*****	*****			7	*****	*****	( 17 )	0	1/7	GR
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	INST MIN	*****	*****	MG/L		WEEKLY	GRAB
PH	*****	*****			6.9	*****	7.2	( 12 )	0	1/7	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	MINIMUM	*****	MAXIMUM	SU		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED	*****	0.8	1.3	( 26 )	*****	9	11	( 17 )	0	1/7	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	21.2 30DA AVG	42.6 DAILY MX	LBS/DY	*****	30 30DA AVG	60 DAILY MX	MG/L		WEEKLY	COMPLIANCE
NITROGEN, AMMONIA TOTAL (AS N)	*****	0.03	0.04	( 26 )	*****	0.3	0.6	( 17 )	0	1/7	CP
00610 1 2 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	3.54 30DA AVG	7.08 DAILY MX	LBS/DY	*****	3 30DA AVG	10 DAILY MX	MG/L		WEEKLY	COMPLIANCE
PHOSPHORUS, TOTAL (AS P)	*****	*****	*****		*****	0.2	0.4	( 17 )	0	2/30	CP
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT 30DA AVG	REPORT DAILY MX	MG/L		WEEKLY	COMPLIANCE
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	*****	0.013	0.048	( 03 )	*****	*****	*****		0	CN	CN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT 30DA AVG	REPORT INST MAX	MGD	*****	*****	*****	****		CONTINUOUS	IN
COLIFORM, FECAL GENERAL	*****	*****	*****		*****	1	1	( 10 )	0	1/7	GR
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	200 30DA GED	400 7 DA GED	100ML		WEEKLY	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
HJ Schardien Jr.  
Exec - Director  
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Richard Mills  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502 540-6000  
DATE 11 1 20  
AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME SHADOWWOOD WQTC  
ADDRESS C/O JOHN KESSEL  
5512 HITT LN  
LOUISVILLE KY 40241  
FACILITY SHADOWWOOD WQTC  
LOCATION LOUISVILLE KY 40057  
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MINOR (SUBR LV)  
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SANITARY WASTEWATER EFFLUENT  
\*\*\* NO DISCHARGE 1 [ ] \*\*\*  
JEFFE

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
10	12	01		10	12	31

FROM

TO

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, CARBONACEOUS 5 DAY, 20C 80082 1 0 0 EFFLUENT GROSS VALUE		0.48	0.9	( 26 )	*****	5	10	( 19 )	0	1/7	CP
		7.07	14.2		*****	10	20			WEEKLY	COMPOS
		30DA AVG	DAILY MX	LBS/DY		30DA AVG	DAILY MX	MG/L			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
H.V. Schardiew JR.  
Exec. Director  
TYPED OR PRINTED

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Richard Mills  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502 540-6000  
DATE 11 1 20  
AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SHADOW WOOD		Report for	Dec-10			Tot. Exc.=	0			
Tot. Flow=	0.415	Concentrations				Pounds		Conc.		
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	T Phos	
12/1/10	0.016	10	2	0.17	1	1.334	0.267	0.023	0.151	
12/2/10	0.007									
12/3/10	0.012									
12/4/10	0.013									
12/5/10	0.014									
12/6/10	0.011									
12/7/10	0.01									
12/8/10	0.008	11	4	0.62	1	0.734	0.267	0.041	0.232	
12/9/10	0.006									
12/10/10	0.009									
12/11/10	0.012									
12/12/10	0.015									
12/13/10	0.018									
12/14/10	0.012									
12/15/10	0.011	11	10	0.39	1	1.009	0.917	0.036	0.353	
12/16/10	0.014									
12/17/10	0.013									
12/18/10	0.011									
12/19/10	0.014									
12/20/10	0.011									
12/21/10	0.009								0.105	
12/22/10	0.009									
12/23/10	0.011									
12/24/10	0.012									
12/25/10	0.012									
12/26/10	0.01									
12/27/10	0.011	3	5	0.17	1	0.275	0.459	0.016	0.123	
12/28/10	0.048									
12/29/10	0.017									
12/30/10	0.02									
12/31/10	0.019									
Average	0.013	8.75	5.25	0.34	1.00	0.84	0.48	0.03	0.19	
Maximum	0.048	11.00	10.00	0.62	1.00	1.33	0.92	0.04	0.35	