



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

November 16, 2010

Ms. Carolena Bentley
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

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

Dear Ms. Bentley

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 2010.

There were no overflow reports or bypass reports to report this month.

We had one exceedance for our monthly BOD average. While investigating the source of our BOD problem, we discovered the plant influent flow was septic on November 11, 2010. Although we could not find a blockage in any of the plant service sewer line, we believe the cause of the BOD exceedance was caused by an obstruction in the plant sewer service line. We believe the obstruction has cleared. On November 11, 2010, we removed all septic material from our plant surge tank. Follow up testing indicates we are now in compliance for BOD. As part of our plant SOP we have started monitoring influent BOD as well as other parameters.

If you have any questions concerning the attached DMRs, please contact me at (502)587-5856.

Sincerely,

Richard W. Mills
Process Supervisor, East Region

RWM/Shadow Wood 1010

Enclosures

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



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

NAME SHADOWWOOD WQTC
ADDRESS C/O JOHN KESSEL
3512 HITT LN
LOUISVILLE KY 40241
FACILITY SHADOWWOOD WQTC
LOCATION LOUISVILLE KY 40089
ATTN: MARION M GEE

KY0031810
PERMIT NUMBER

001 1
DISCHARGE NUMBER

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

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	20	01		12	10	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	*****	*****	(12)	0	01/07	GR
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	INST MIN	*****	*****	MG/L		WEEKLY	JUMP
PH	*****	*****			6.7	*****	7.1	(12)	0	05/31	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		WEEKLY	JUMP
SOLIDS, TOTAL SUSPENDED	*****	*****	(26)		*****	15	29	(12)	0	01/07	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	21.3	42.6	LBS/DY	*****	30	50	MG/L		WEEKLY	JUMP
NITROGEN, AMMONIA TOTAL (AS N)	*****	*****	(26)		*****	0.2	0.2	(12)	0	01/07	CP
00610 1 1 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1.42	2.84	LBS/DY	*****	2	4	MG/L		WEEKLY	JUMP
PHOSPHORUS, TOTAL (AS P)	*****	*****			*****	0.27	0.36	(12)	0	01/07	CP
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L		WEEKLY	JUMP
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	*****	*****	(03)		*****	*****	*****		0	CN	CN
00050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	MGD	*****	*****	*****	****		CN	CN
COLIFORM, FECAL GENERAL	*****	*****			*****	1	1	(12)	0	01/07	GR
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	200	400	100ML		WEEKLY	JUMP

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.J. Schoedon 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 W. Mills
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 512 546-6000
DATE 10 11 17
AREA CODE NUMBER YEAR MO DAY

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

See cover letter

NAME SHADOWWOOD WGTG
 ADDRESS C/D JOHN KESSEL
 5512 HITT LN
 LOUISVILLE KY 40241
 FACILITY SHADOWWOOD WGTG
 LOCATION LOUISVILLE KY 40059
 ATTN: MARION M GEE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

KY00031810 PERMIT NUMBER
 001 1 DISCHARGE NUMBER

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

JEFFE

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

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PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
500. CARBONACEOUS 25 DAY, 20C BOOSE 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1.11	2.2	(24)	*****	10.5	14	(17)	1	01/07	CP
	PERMIT REQUIREMENT	7.09 30DA AVG	14.2 DAILY MX	LBS/DY	*****	10 30DA AVG	20 DAILY MX	MS/L		WEEKLY	UNFOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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Richard W. Mills
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 512 540-6000
 DATE 10 11 17
 AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 See Cover letter for explanation of exceedance.

SHADOW WOOD		Report for	Oct-10		Tot. Exc.=		1 Violation			
Tot. Flow=	0.312		Concentrations				Pounds		Conc.	
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	T Phos	
10/1/10	0.007									
10/2/10	0.009									
10/3/10	0.006	29	7	0.2	1	1.451	0.350	0.010	0.254	
10/4/10	0.007									
10/5/10	0.004									
10/6/10	0.005									
10/7/10	0.006									
10/8/10	0.006									
10/9/10	0.009									
10/10/10	0.006	10	8	0.1	1	0.500	0.400	0.005	0.312	
10/11/10	0.008									
10/12/10	0.007									
10/13/10	0.007									
10/14/10	0.007									
10/15/10	0.006									
10/16/10	0.028									
10/17/10	0.02	10	13	0.1	1	1.668	2.168	0.017	0.155	
10/18/10	0.009									
10/19/10	0.004									
10/20/10	0.006									
10/21/10	0.006									
10/22/10	0.008									
10/23/10	0.011									
10/24/10	0.015									
10/25/10	0.014									
10/26/10	0.014	12	14	0.22	1	1.401	1.635	0.026	0.356	
10/27/10	0.012									
10/28/10	0.012									
10/29/10	0.009									
10/30/10	0.008									
10/31/10	0.036									
Average	0.010	15.25	10.50	0.16	1.00	1.26	1.14	0.01	0.27	
Maximum	0.036	29.00	14.00	0.22	1.00	1.67	2.17	0.03	0.36	
Exceed.	0	0	1	0	0	0	0	0	0	