



MSD

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

April 23, 2009

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

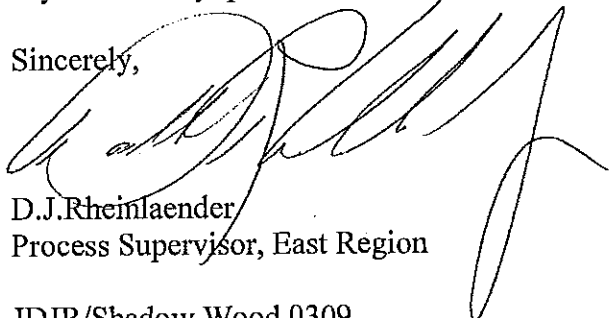
**Re: MSD Metro Operations
Shadow Wood WTP; KPDES No.: KY0031810
Discharge Monitoring Reports – March 2009**

Dear Ms. Bentley

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly operator report (MOR) for the Shadow Wood WTP; KPDES No.: KY0031810 for the month of March 2009.

If you have any questions concerning the attached DMRs, please contact me at (502)241-9093.

Sincerely,


D.J. Rheinlaender
Process Supervisor, East Region

JDJR/Shadow Wood 0309

Enclosures

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



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

NAME SHADOW WOOD SUBD
 ADDRESS 070 JOHN KESSEL
 5512 HITT LN
 LOUISVILLE KY 40241
 FACILITY SHADOW WOOD SUBD
 LOCATION LOUISVILLE KY 40059
 ATTN: MARION M GEE

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

KYC031810 PERMIT NUMBER
 001 1 DISCHARGE NUMBER

MINOR (SUBR LV)
 F - FINAL JETFE
 SANITARY WASTEWATER EFFLUENT

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
97	03	01		97	03	31

*** NO DISCHARGE [] ***
 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				
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	*****	*****		1.1	*****	*****	(19)		4/7	GRAB	
00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	INST MIN	*****	*****	MG/L		WEEKLY	GRAB	
PH	SAMPLE MEASUREMENT	*****	*****		7.0	*****		(12)		4/7	GRAB	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	MINIMUM	*****	9.0	5.0		WEEKLY	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT			(26)	*****			(19)		4/7	COMPL	
00500 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	21.3	42.6	LBS/DY	*****	30	60	30DA AVG	DAILY MX	MG/L	COMPL	
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT			(26)	*****			(19)		4/7	COMPL	
00610 1 2 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	3.54	7.08	LBS/DY	*****	5	10	30DA AVG	DAILY MX	MG/L	COMPL	
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	*****	*****		*****			(19)		4/7	COMPL	
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	30DA AVG	DAILY MX	MG/L	COMPL	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT			(03)	*****	*****	*****			4/7	CONTIN	
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT	REPORT	MGD	*****	*****	*****	****		CONTIN	UOUS	
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****		*****			(15)		4/7	COMPL	
74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	200	400 #/	30DA GEC	7 DA GEC	100ML	WEEKLY	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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.				TELEPHONE			DATE				
TYPED OR PRINTED											SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME SHADOW WOOD SUBD
ADDRESS C/O JOHN KESSEL
3512 HITT LN
LOUISVILLE KY 40291
FACILITY SHADOW WOOD SUBD
LOCATION LOUISVILLE KY 40057
ATTN: MARION M GEE

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

KY0031810
PERMIT NUMBER

001 1
DISCHARGE NUMBER

MINOR
(SUBR LV)
F - FINAL
SANITARY WASTEWATER
EFFLUENT

JEFFE

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
07	03	01		07	03	31

FROM

TO

*** NO DISCHARGE () ***

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 05 DAY, 20C 80082 0 0 EFFLUENT GROSS VALUE		1.1	2.2	(26)	*****	4	9	(18)		W	COMPO
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT	7.09	14.2		*****	10	20			WEEKLY	COMPO
		30DA AVG	DAILY MX	LBS/DY		30DA AVG	DAILY MX	MG/L			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
DATE
AREA CODE NUMBER YEAR MO DAY

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

SHADOW WOOD		Report for			Mar-09		Tot. Exc.=		0	
Tot. Flow=		1.242		Concentrations				Pounds		NH3
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD			
3/1/09	0.044									
3/2/09	0.036									
3/3/09	0.035									
3/4/09	0.033	11	3	0.22	2	3.027	0.826	0.061		
3/5/09	0.036									
3/6/09	0.04									
3/7/09	0.037									
3/8/09	0.041									
3/9/09	0.035									
3/10/09	0.033									
3/11/09	0.038	7	3	0.22	1	2.218	0.951	0.070		
3/12/09	0.042									
3/13/09	0.039									
3/14/09	0.05									
3/15/09	0.045									
3/16/09	0.037									
3/17/09	0.036									
3/18/09	0.032	5	3	0.11	1	1.334	0.801	0.029		
3/19/09	0.039									
3/20/09	0.032									
3/21/09	0.037									
3/22/09	0.049									
3/23/09	0.051									
3/24/09	0.037	16	7	0.055	1	4.937	2.160	0.017		
3/25/09	0.049									
3/26/09	0.047									
3/27/09	0.038									
3/28/09	0.039									
3/29/09	0.065									
3/30/09	0.037									
3/31/09	0.033									
Average	0.040	9.75	4.00	0.15	1.19	2.88	1.18	0.04		
Maximum	0.065	16.00	7.00	0.22	2.00	4.94	2.16	0.07		
Exceed.	0	0	0	0	0	0	0	0		
Day Viol.										
Mo. Viol										
Minimum	0.032	MIN	MAX							
DO (min)										
pH										
TRC										

This plant has a summer ammonia limit of 2/4 mg/L and 1.42/2.84pounds
This plant has a winter ammonia limit of 5/10 mg/L and 3.54/7.08 pounds
Winter limits are from November - April, Summer is from May - October

Conc.
T Phos

LAKE FOREST
C/O ERIC G. BRADY
700 W. LIBERTY STREET
LOUISVILLE KY 40203
SHADOW WOOD

KY003900-001 1

Conc.	T Phos	ATTN: H. J. SCHARDI	Quantity or Loading			Quality or Cr	
			Average	Maximum	Units	Minimum	Average
0.298		OXYGEN, DISSOLVEI (DO)	*****	*****	***	0.0	*****
		00300 1 0 0	*****	*****	***	7	*****
		EFFLUENT GROSS VALUE pH	*****	*****	***	INST MIN 0	*****
0.282		00400 1 0 0	*****	*****	***	6.0	*****
		EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED			(26)	MINIMUM *****	
		00530 1 0 0	21.3	42.6	LBS/DY	*****	30
		EFFLUENT GROSS V30DA AVG DAILY MX NITROGEN, AMMONIA TOTAL (AS N)			(26)	*****	30DA AVG
0.325		00610 1 2 0	3.54	7.08	LBS/DY	*****	5
		EFFLUENT GROSS V30DA AVG DAILY MX PHOSPHORUS, TOT/ (AS P)	*****	*****	***	*****	30DA AVG 0
0.297		00665 1 0 0	*****	*****	***	*****	REPORT 30DA AVG
		EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT			(03)	*****	*****
		50050 1 0 0	REPORT	REPORT	MGD	*****	*****
0.30		EFFLUENT GROSS V30DA AVG INST MAX COLIFORM, FECAL GENERAL	*****	*****	***	*****	
0.33		74055 1 0 0	*****	*****	***	*****	200
0		EFFLUENT GROSS VALUE BOD, CARBONACEOUS 05 DAY, 20C			(26)	*****	30DA GEO
		80082 1 0 0	7.1	14.2	LBS/DY	*****	10
		EFFLUENT GROSS V30DA AVG DAILY MX					30DA AVG

Conc.
T Phos

LAKE FOREST
C/O ERIC G. BRADY
700 W. LIBERTY STREET
LOUISVILLE KY 40203
SHADOW WOOD

KY003900-001 1

Conc.	ATTN: H. J. SCHARDI	Quantity or Loading			Quality or Cc	
		Average	Maximum	Units	Minimum	Average
0.298	OXYGEN, DISSOLVEI (DO)	*****	*****	***	0.0	*****
	00300 1 0 0	*****	*****	***	7	*****
	EFFLUENT GROSS VALUE pH	*****	*****	***	INST MIN 0	*****
0.282	00400 1 0 0	*****	*****	***	6.0	*****
	EFFLUENT GROSS VALUE SOLIDS, TOTAL SUSPENDED			(26)	MINIMUM *****	
	00530 1 0 0	21.3	42.6	LBS/DY	*****	30
	EFFLUENT GROSS V30DA AVG DAILY MX NITROGEN, AMMONIA TOTAL (AS N)			(26)	*****	30DA AVG
0.325	00610 1 2 0	3.54	7.08	LBS/DY	*****	5
	EFFLUENT GROSS V30DA AVG DAILY MX PHOSPHORUS, TOT/ (AS P)	*****	*****	***	*****	30DA AVG 0
0.297	00665 1 0 0	*****	*****	***	*****	REPORT 30DA AVG
	EFFLUENT GROSS VALUE FLOW, IN CONDUIT OR THRU TREATMENT PLANT			(03)	*****	*****
	50050 1 0 0	REPORT	REPORT	MGD	*****	*****
0.30	EFFLUENT GROSS V30DA AVG INST MAX COLIFORM, FECAL GENERAL	*****	*****	***	*****	
0.33	74055 1 0 0	*****	*****	***	*****	200
0	EFFLUENT GROSS VALUE BOD, CARBONACEOUS 05 DAY, 20C			(26)	*****	30DA GEO
	80082 1 0 0	7.1	14.2	LBS/DY	*****	10
	EFFLUENT GROSS V30DA AVG DAILY MX					30DA AVG