



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

August 11, 2011

Cheryl Edwards
DMR Coordinator
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**Re: MSD Metro Operations
Shadow Wood WQTC; KPDES No.: KY0031810
Discharge Monitoring Reports for July 2011.**

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 June 2011.

During the month of July we experienced a bypass from the tertiary pond to the waters of the US. The investigation determined that the bypass was caused by a significant amount of erosion from the drain pipe which led into a water retention pond behind the treatment plant. We had a contractor excavate the erosion site and installed a bulkhead to stop the leak and further erosion.

There were no exceedences to reports for this month.

Also attached is a bypass letter and overflow report.

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

Sincerely,

Kevin Thompson
Process Supervisor, East Region

RM/Shadow Wood 6.11

Enclosures

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



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

Form Approved
OMB No. 2040-0004

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

NAME: SHADOWWOOD WQTC
ADDRESS: 5512 HITT LN
LOUISVILLE, KY 40241
FACILITY: SHADOWWOOD WQTC
LOCATION: 5497 FOREST LAKE DR
LOUISVILLE, KY 40059
ATTN: MARION M GEE

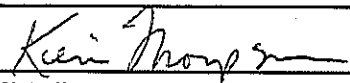
KY0031810	001-1
PERMIT NUMBER	DISCHARGE NUMBER

DMR Mailing ZIP CODE: 40241
MINOR
(SUBR LV) JEFFE
SANITARY WASTEWATER
External Outfall

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
FROM 07/01/2011	TO 07/31/2011

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Oxygen, dissolved (DO) 00300 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	7.0	*****	*****		0	27/31	GR
	PERMIT REQUIREMENT	*****	*****	*****	7 INST MIN	*****	*****	mg/L		Weekly	GRAB
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	6.5	*****	7.2		0	27/31	GR
	PERMIT REQUIREMENT	*****	*****	*****	6 MINIMUM	*****	9 MAXIMUM	SU		Weekly	GRAB
Solids, total suspended 00530 1 0 Effluent Gross	SAMPLE MEASUREMENT	1.5	5.0		*****	6	9		0	1/7	CP
	PERMIT REQUIREMENT	21.3 30DA AVG	42.6 DAILY MX	lb/d	*****	30 30DA AVG	60 DAILY MX	mg/L		Weekly	COMPOS
Nitrogen, ammonia total (as N) 00610 1 1 Effluent Gross	SAMPLE MEASUREMENT	0.13	0.43		*****	0.5	0.8		0	1/7	CP
	PERMIT REQUIREMENT	1.42 30DA AVG	2.84 DAILY MX	lb/d	*****	2 30DA AVG	4 DAILY MX	mg/L		Weekly	COMPOS
Phosphorus, total (as P) 00665 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	0.49	0.76		0	1/7	CP
	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	mg/L		Weekly	COMPOS
Flow, in conduit or thru treatment plant 50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	0.026	0.164		*****	*****	*****	*****	0	CN	CN
	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. INST MAX	Mgal/d	*****	*****	*****	*****		Continuous	CONTIN
Coliform, fecal general 74055 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	1	1		0	1/7	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	200 30DA GEO	400 7 DA GEO	#/100mL		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER H. J. Schardein JR Executive 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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	TELEPHONE		DATE
			502-540-6000	08/15/2011	AREA Code

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
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MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
07/01/2011	FROM	07/31/2011	TO

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
BOD, carbonaceous, 05 day, 20 C	SAMPLE MEASUREMENT	0.59	1.7		*****	3	3		0	1/7	CP
80082 1 0 Effluent Gross	PERMIT REQUIREMENT	7.09 30DA AVG	14.2 DAILY MX	lb/d	*****	10 30DA AVG	20 DAILY MX	mg/L		Weekly	COMPOS

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			502-540-6000		08/15/2011
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			AREA Code	NUMBER	MM/DD/YYYY

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



700 West Liberty Street
Louisville Kentucky 40203-1911
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July 28, 2011

Mr. Charlie Roth, District Supervisor
KY Division of Water
Louisville Regional Office
9116 Leesgate Road
Louisville, KY 40222-5084

Re: Bypass Report for the Shadow Wood WQTC – KPDES Permit KY0031810

Dear Mr. Roth:


This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 AM on July 28, 2011, referencing Work Order 1308246 as a dry weather discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: On July 27, 2011, the Shadow Wood WQTC's tertiary pond experienced a bypass to the waters of the US. To investigate the cause of the bypass, an excavation of the site was performed. This investigation determined that the bypass was caused by a significant amount of erosion that had occurred at the tertiary pond into a drain pipe which led into a water retention pond. Approximately 1832 gallons bypassed. The bypassed volume received full treatment except for disinfection.
- Period of noncompliance: Starting 12:15 PM on July 27, 2011 and stopping 04:39 PM on July 27, 2011.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD had a contractor excavate the erosion site and install a plug into the drain pipe which stopped the bypass. Water was also pumped out of the tertiary pond to reduce its level. We have installed a bulkhead in the pipe and a concrete cut off wall in the embankment to stop the leak.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-587-5856, my cell phone at (502)-475-2224 or via email at Thompson@msdlouky.org.

Sincerely,


Kevin Thompson
Process Supervisor-Operations

cc: Gary Levy, KDEP
Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD
eB File



Report Selections: Excluding PPI, CSO, Excluding LAT, Prob Code: BYPAS, Result: WUS, Act Code: DISDW, DISREV

KPDES # KY0031810	Facility ID MSD0404	Water Quality Treatment Center SHADOW WOOD	Receiving Stream of Treatment Center HARRODS CREEK	Region EAST
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Facility Type SPL - Sewer Treatment Plant	Facility ID MSD0404	Facility Address 5489 FOREST LAKE DR	If Pump Station, Name of Pump Station:	Receiving Stream HARRODS CREEK	Discharge to GROUND
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Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	1308246	07/27/11 12:15 PM	ELDER	THOMPSON	REPAIRED - ISSUE RESOLVED	07/27/11	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	07/27/11 04:39 PM	

Spot Inspections:

Discharge Amount	1,832 GAL
Cause:	EROSION OF THE LAGOON WALL
Clean Up:	DISCHARGING DIRECTLY TO STREAM, NO CLEANUP POSSIBLE
Control Zone:	TEMPORARY SIGNS AROUND AFFECTED AREA
Impact:	CLEAR UNCHLORINATED EFFLUENT WATER
Repair:	CHEROKEE CALLED TO MAKE REPAIRS

Notifications:

	DISPUB	Temporary signs placed around affected area
07/27/11 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
07/27/11 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov

Total Facilities Printed: 2
Total Work Orders Printed: 2