



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

December 19, 2013

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 November 2013.**

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 November 2013.

There were no exceedences, overflows to reports for this month.

For the sampling periods of November 8-14 and November 22-28, MSD did not obtain permitted effluent samples due to insufficient plant effluent flow. The flow was reduced when the tertiary pond was pumped down to investigate the source of the leak in the berm which was the suspected cause of the plant bypasses.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Thompson".

Kevin Thompson
Process Supervisor, East Region

KT/Shadow Wood 10/13.

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit			
Permit #:	KY0031810	Permittee:	SHADOWWOOD WQTC MSD
Major:	No	Permittee Address:	5497 FOREST LAKE DR LOUISVILLE, KY 40059
Permitted Feature:	001 External Outfall	Discharge:	001-1 SANITARY WASTEWATER
Facility:		Facility Location:	SHADOWWOOD WQTC MSD 5497 FOREST LAKE DR LOUISVILLE, KY 40059

Report Dates & Status			
Monitoring Period:	From 11/01/13 to 11/30/13	DMR Due Date:	12/28/13
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Greg	Title:	Executive Director
Last Name:	Heitzman	Telephone:	502-540-6000

No Data Indicator (NODI)

Form NODI:		--																		
Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type			
					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	=	9										19 - mg/L	0	13/30 - 13 Per Month	GR - GRAB
					Permit Req.	>=	7 INST MIN										19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample	=	7					=	8			12 - SU	0	13/30 - 13 Per Month	GR - GRAB	
					Permit Req.	>=	6 MINIMUM				<=	9 MAXIMUM			12 - SU	0	01/07 - Weekly	GR - GRAB		
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	13.4	=	25.6	26 - lb/d		=	15	=	21	19 - mg/L	0	02/30 - Twice Per Month	CP - COMPOS	
					Permit Req.	<=	21.3 30DA AVG	<=	42.6 DAILY MX	26 - lb/d		<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.18	=	0.34	26 - lb/d		=	0.2	=	0.3	19 - mg/L	0	02/30 - Twice Per Month	CP - COMPOS	
					Permit Req.	<=	3.54 30DA AVG	<=	7.08 DAILY MX	26 - lb/d		<=	5 30DA AVG	<=	10 DAILY MX	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample							=	0.4	=	0.5	19 - mg/L	0	02/30 - Twice Per Month	CP - COMPOS	
					Permit Req.							Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L	0	01/07 - Weekly	CP - COMPOS		
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.028	=	0.188	03 - MGD							0	28/30 - 28 Per Month	CN - CONTIN	
					Permit Req.		Req Mon 30DA AVG		Req Mon INST MAX	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample							=	2	=	2	13 - #/100mL	0	02/30 - Twice Per Month	GR - GRAB	
					Permit Req.							<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	2.21	=	3.7	26 - lb/d		=	4	=	5	19 - mg/L	0	02/30 - Twice Per Month	CP - COMPOS	
					Permit Req.	<=	7.09 30DA AVG	<=	14.2 DAILY MX	26 - lb/d		<=	10 30DA AVG	<=	20 DAILY MX	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					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
For the sampling periods of November 8-14 and November 22-28 MSD did not obtain permitted effluent samples due to insufficient plant effluent flow. The flow was reduced when the tertiary pond was pumped down to investigate the source of the leak in the berm which was the suspected cause of the plant bypasses.

Attachments

Name	Type	Size
201311ShadowWood_MOR.pdf	pdf	8232
201311ShadowWood_coverletter.pdf	pdf	17024
201311_SHADOWWOOD_Overflow.pdf	pdf	71790

Report Last Saved By
SHADOWWOOD WQTC MSD

User:	kevin.thompson@louisvillemsd.org	Date/Time:	2013-12-26 13:45 (Time Zone: -05:00)
Name:	Kevin Thompson		
E-Mail:	kevin.thompson@louisvillemsd.org		



Report Selections: Period: 11/01/2013 00:00 thru 11/30/2013 23:59, Excluding PPI Excluding CSO Excluding LAT, Prob Code: BYPAS, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0031810	MSD0404	SHADOW WOOD	HARRODS CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0404	5489 FOREST LAKE DR		HARRODS CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISDW:DRY WEATHER DISCHARGE	2050519		11/8/13 12:30 pm	SINGLETON	OPS BSHIFT EAST	REPAIRED - ISSUE RESOLVED	11/21/2013	BYPASS AT WQTC	UNAUTHORIZED DISCHAGE - WATERS	11/08/13 07:00 PM	

Discharge Reporting:

Discharge Amount:	500 GAL
Cause:	LAGOON LEAKING
Clean Up:	MSD CLEANED & SANITIZED
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	PUMPED DOWN LAGOON & CONTRACTOR REPAIRED
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

Notifications:

11/1/13 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'
11/1/13 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'



Report Selections: Period: 11/01/2013 00:00 thru 11/30/2013 23:59, Excluding PPI Excluding CSO Excluding LAT, Prob Code: BYPAS, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center			Receiving Stream of Treatment Center			Region			
KY0031810 (Cont'd)	MSD0404	SHADOW WOOD			HARRODS CREEK			EAST			
<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISDW: DRY WEATHER DISCHARGE	2052347		11/21/2013 1:44:00PM	OPS BSHIFT EAST	SINGLETON	REPAIRED - ISSUE RESOLVED	11/21/2013	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	11/21/13 07:30 PM	

Discharge Reporting:

Discharge Amount:	100 GAL
Cause:	LAGOON LEAKING
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE
Repair:	PUMPED DOWN LAGOON & CONTRACTOR REPAIRED
Public Notification:	TEMPORARY SIGNS POSTED AROUND AFFECTED AREA

Notifications:

11/18/13 10:30 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'
11/18/13 10:30 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'

Total Facilities Printed: 2

Total Work Orders Printed: 4



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Discharge Reporting:

Discharge Amount:	500 GAL
Cause:	LAGOON LEAKING
Clean Up:	MSD CLEANED & SANITIZED
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	PUMPED DOWN LAGOON & CONTRACTOR REPAIRED
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

Notifications:

11/1/13 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epa.gov, Charlie.Roth@ky.gov'
11/1/13 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epa.gov, Charlie.Roth@ky.gov'



Initiated Nov 01, 2013 12:00 AM thru Nov 30, 2013 11:59 PM

Report Selections: Period: 11/01/2013 00:00 thru 11/30/2013 23:59, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center			Receiving Stream of Treatment Center			Region			
KY0031810 (Cont'd)	MSD0404	SHADOW WOOD			HARRODS CREEK			EAST			
<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
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