



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

January 19, 2014

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 December 2013.

Dear Ms. Edwards:

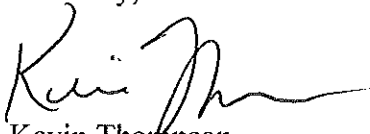
Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Shadow Wood WQTC; KPDES No.: KY0031810 for the month of December 2013.

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

Also attached is a bypass report.

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

Sincerely,


Kevin Thompson
Process Supervisor, East Region

KT/Shadow Wood 12/13.

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 12/01/13 to 12/31/13	DMR Due Date:	01/28/14
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	=	7				=	7				19 - mg/L	0	01/01 - Daily	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	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	6 MINIMUM								12 - SU	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	1.5	=	1.9	26 - lb/d	=	8	=	12	19 - mg/L	0	01/07 - Weekly	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	=	0.05	=	0.06	26 - lb/d	=	0.3	=	0.4	19 - mg/L	0	01/07 - Weekly	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	=	0.6	19 - mg/L	0	01/07 - Weekly	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	=	0.038	=	0.136	03 - MGD						0	99/99 - Continuous	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	01/07 - Weekly	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	=	0.49	=	0.6	26 - lb/d	=	3	=	4	19 - mg/L	0	01/07 - Weekly	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

Attachments		
Name	Type	Size
201312_ShadowWood_coverletter.pdf	pdf	16620
201312_ShadowWood_bypassReport.pdf	pdf	40068
201312_ShadowWood_MOR.pdf	pdf	8455

Report Last Saved By
SHADOWWOOD WQTC MSD

User:	kevin.thompson@louisvillemsd.org	Date/Time:	2014-01-21 13:46 (Time Zone: -05:00)
Name:	Kevin Thompson		
E-Mail:	kevin.thompson@louisvillemsd.org		



700 West Liberty Street
Louisville Kentucky 40203-1911
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December 5, 2013

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:

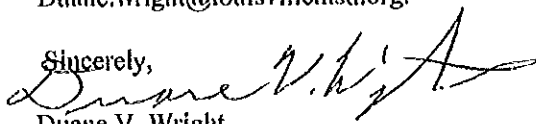
This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on December 03, 2013, referencing Work Order 2070396 as a dry weather bypass. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: On Tuesday, December 03, 2013, the Shadow Wood WQCT tertiary pond experienced a bypass to the waters of the US. MSD's investigation determined the cause of the bypass was caused by settlement of a portion of the berm for the tertiary pond. The pond was pumped down to stop the bypass. Approximately 309 gallons of wastewater bypassed the disinfection tank and received full treatment except for chlorination.
- Period of noncompliance: Starting 12:10 PM on December 03, 2013 and stopping 06:57 PM on December 03, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD communicated with Kentucky Division of Water personnel, proposing a Minor Modification to the Permit for this facility to eliminate the tertiary pond from the treatment process. MSD does not propose any changes to the Permit Limits. MSD has received verbal approval to operate the tertiary pond at a lower elevation to prevent a recurrence of a plant bypass while this request is reviewed.
- Additional comments: Please find a copy of the proposed Permit Modification is attached.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-239-7574, my cell phone at (502)-396-9142 or via email at Duane.vwright@louisvillemsd.org.

Sincerely,



Duane V. Wright
Process Supervisor-Operations

cc: Courtney Seitz, KDEP





Report Selections: Period: 12/01/2013 00:00 thru 12/31/2013 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	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	2070396		12/3/13 12:10 pm	SINGLETON	OPS BSHIFT EAST	REPAIRED - ISSUE RESOLVED	12/03/2013	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	12/03/13 06:57 PM	

Discharge Reporting:

Discharge Amount:	407 GAL
Cause:	LAGOON LEAKING
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE WATER OBSERVED
Repair:	MSD EMPLOYEES PUMPED THE LAGOON DOWN
Public Notification:	TEMPORARY SIGNS POSTED

Notifications:

12/3/13 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemad.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'
12/3/13 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemad.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'

Total Facilities Printed: 60

Total Work Orders Printed: 64