

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 berin 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,

Kevin Thompson

Process Supervisor, East Region

KT/Shadow Wood 10/13.

Enclosures

cc:

T. Singleton

R. Shaw



DMR Copy of Record

Permit Permittee: SHADOWWOOD WQTC MSD Permit #: KY0031810 Facility: SHADOWWOOD WQTC MSD Major: No Permittee Address: 5497 FOREST LAKE DR **Facility Location:** 5497 FOREST LAKE DR LOUISVILLE, KY 40059 LOUISVILLE, KY 40059 **Permitted Feature:** 001 Discharge: 001-1 External Outfall SANITARY WASTEWATER Report Dates & Status From 11/01/13 to 11/30/13 **DMR Due Date:** 12/28/13 Status: **NetDMR Validated Monitoring Period: Considerations for Form Completion Principal Executive Officer** Greg Telephone: **First Name:** Title: **Executive Director** 502-540-6000 Heitzman Last Name: No Data Indicator (NODI) Form NODI: Parameter Monitoring Location Season # Param. NODI **Quantity or Loading Quality or Concentration** # of Ex. Frequency of Analysis Sample Type Units Qualifier 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Qualifier 3 Sample 19 - mg/L 13/30 - 13 Per Month GR - GRAB 00300 Oxygen, dissolved [DO] 1 - Effluent Gross GR - GRAB **Permit Rea** 7 INST MIN 19 - mg/L 01/07 - Weekly Value NODI 12 - SU GR - GRAB Sample 13/30 - 13 Per Month 00400 pH 1 - Effluent Gross Permit Reg. 6 MINIMUM 9 MAXIMUM 12 - SU 01/07 - Weekly GR - GRAB <= Value NODI 02/30 - Twice Per Month CP - COMPOS Sample 13.4 25.6 26 - lb/d 15 21 19 - mg/L 00530 Solids, total suspended 1 - Effluent Gross Permit Req. <= 21.3 30DA AVG 42.6 DAILY MX 30 30DA AVG 60 DAILY MX 01/07 - Weekly CP - COMPOS 26 - lb/d <= 19 - mg/L Value NODI 02/30 - Twice Per Month CP - COMPOS Sample 0.18 0.34 26 - lb/d 0.2 0.3 19 - mg/L CP - COMPOS 00610 Nitrogen, ammonia total [as N] 1 - Effluent Gross Permit Req. <= 3.54 30DA AVG 7.08 DAILY MX 26 - lb/d 5 30DA AVG 10 DAILY MX 19 - mg/L 01/07 - Weekly Value NODI 02/30 - Twice Per Month CP - COMPOS Sample 0.4 0.5 19 - mg/L Reg Mon 30DA AVG 00665 Phosphorus, total [as P] Reg Mon DAILY MX 19 - mg/L 01/07 - Weekly CP - COMPOS 1 - Effluent Gross Permit Reg. Value NODI Sample 0.028 0.188 03 - MGD 28/30 - 28 Per Month CN - CONTIN 50050 Flow, in conduit or thru treatment plant 1 - Effluent Gross Permit Reg. Reg Mon 30DA AVG Reg Mon INST MAX 03 - MGD 99/99 - Continuous CN - CONTIN Value NODI 13 - #/100mL 02/30 - Twice Per Month GR - GRAB Sample 74055 Coliform, fecal general 1 - Effluent Gross Permit Req. 200 30DA GEO 400 7 DA GEO 13 - #/100mL 0 01/07 - Weekly GR - GRAB Value NODI 02/30 - Twice Per Month CP - COMPOS 2.21 3.7 26 - lb/d Sample 19 - mg/L 80082 BOD, carbonaceous, 05 day, 20 C 1 - Effluent Gross 7.09 30DA AVG CP - COMPOS Permit Req. <= <= 14.2 DAILY MX 26 - lb/d 10 30DA AVG 20 DAILY MX 19 - mg/L 01/07 - Weekly 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 effect in the sample plant effect in the samp the suspected cause of the plant bypasses **Attachments** Name Size Type

NameTypeSize201311ShadowWood_MOR.pdfpdf8232201311ShadowWood_coverletter.pdfpdf17024201311_SHADOWWOOD_Overflow.pdfpdf71790

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

SHADOW W	VOOD 0.83268	Report for	Nov-13		Tot. Exc.=	0	0					
			Concentr				Pounds		Conc.			
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	T Phos	D.O.	p.H.	
11/1/13	0.023									9.1	7.7	
11/2/13	0.019									8.8	7.7	
11/3/13	0.019		_				_			9	7.6	
11/4/13	0.018		5	0.17	_	1.218	0.761	0.026	0.274	9.4	8	
11/5/13	0.016				2					9.8	7.6	
11/6/13	0.016									9.6	7.7	
11/7/13	0.016									9.5	7.6	
11/8/13	0.188									9.2	7.4	
11/9/13	0.111											
11/10/13	0.001											
11/11/13	0.001											
11/12/13	0.001											
11/13/13	0.001											
11/14/13	0.001											
11/15/13	0.001											
11/16/13	0.003											
11/17/13	0.078									9	7.2	
11/18/13	0.032									9.1	8.3	
11/19/13	0.023									9.5	7.4	,
11/20/13	0.024									9	8	
11/21/13	0.146		3	0.28	2	25.600	3.657	0.341	0.459	8.7	7.9	· ·
11/22/13	0.088											
11/23/13	0.000											
11/24/13	0.000											
11/25/13	0.001											
11/26/13	0.001											
11/27/13	0.001											
11/28/13	0.001											
11/29/13	0.001											
11/30/13	0.001											
Average ==	0.028	15	4	0.2	2.00	13	2.209	0.18	0.4	9.21	8	
Maximum	0.188	21	5	0.3	2.00	26	3.657	0.3		9.80	8	
Exceed.	2	0	. 0	0	0	0	0	0.0		0.00	U	

DISCHAGE - WATERS PM



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

EAST

12:30 pm

KY0031810		cility ID D0404	Water Quality Tro			nent Center Receiving Stream of Treatment Cente HARRODS CREEK				Region EAST	
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	Discha GROUNI	•
Activity Code / Description DISDW:DRY WEATHER	<u>WO #</u> 2050519	Ref No	<u>Initiated</u> 11/8/13	Initiated By SINGLETON	Assigned To OPS BSHIFT	<u>Disch Status</u> REPAIRED -	Event Date 11/21/2013	Problem BYPASS AT	Result UNAUTHORIZED	Completed 11/08/13 07:00	Condition

ISSUE

RESOLVED

WQTC

Discharge Reporting:

DISCHARGE

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'	

12/26/2013



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#

DISCHARGE

Facility ID

Water Quality Treatement Center

Receiving Stream of Treatment Center

Region

KY0031810 (Cont'd)

MSD0404

SHADOW WOOD

HARRODS CREEK

EAST

РM

Activity Code / Description DISDW:DRY WEATHER

WO# 2052347

Ref No Initiated 11/21/2013

1:44:00PM

Initiated By OPS BSHIFT EAST

Assigned To SINGLETON Disch Status REPAIRED -ISSUE

Event Date 11/21/2013

Problem BYPASS AT WQTC

Result UNAUTHORIZED DISCHAGE - WATERS Completed Condition 11/21/13 07:30

RESOLVED

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



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 Treatement 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	1810-14	D-611-								
	<u>WO#</u>	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed
DISDW:DRY WEATHER	2050519		11/8/13	SINGLETON	OPS BSHIFT	REPAIRED -	11/21/2013	BYPASS AT	UNAUTHORIZED	11/08/13 07:00
DISCHARGE			12:30 pm		EAST	ISSUE		WQTC	DISCHAGE - WATERS	
						RESOLVED			51001 // 10Z = 10X : ENG	t IAI

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 DISSNO Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org,	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'	
eppc.ert@ky.gov, Sayre.pennis@epamaii.epa.gov, Charlie.Roth@ky.gov'	11/1 <u>/</u> 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'	7,17,1

Condition



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 Treatement Center

Receiving Stream of Treatment Center

Region

KY0031810 (Cont'd)

MSD0404

SHADOW WOOD

HARRODS CREEK

EAST

PM

Activity Code / Description

DISDW:DRY WEATHER
DISCHARGE

<u>WO#</u> 2062347 Ref No <u>Initiated</u> 11/21/2013

1:44:00PM

Initiated By OPS BSHIFT

EAST

Assigned To SINGLETON Disch Status REPAIRED -ISSUE

RESOLVED

Event Date 11/21/2013

Problem BYPASS AT WQTC

Result
UNAUTHORIZED
DISCHAGE - WATERS

Completed Condition 11/21/13 07:30

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'	