



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

March 20, 2014

Ms. Cheryl Edwards
Kentucky Division of Water
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**Re: MSD Metro Operations
Silver Heights WQTC; KPDES No.: KY0028801
Discharge Monitoring Reports – February 2014.**

Dear Ms. Cheryl Edwards:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the Silver Heights WQTC, KPDES No.: KY0028801 for the month of February.

There were no exceedences, bypasses reports during the month of February for the Silver Heights WQTC.

Also included are the February overflow reports.

If you have any questions concerning the attached DMRs, please contact me at (502) 540-6031.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Kessel", written over a white background.

John Kessel
Process Supervisor, West region

JMK/Silver Heights 0214

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit			
Permit #:	KY0028801	Permittee:	SILVER HEIGHTS WQTC MSD
Major:	No	Permittee Address:	9418 SLAYTON CT LOUISVILLE, KY 40229
Permitted Feature:	001 External Outfall	Discharge:	001-1 SANITARY WASTEWATER
Facility:		Facility Location:	SILVER HEIGHTS WQTC MSD 9418 SLAYTON CT LOUISVILLE, KY 40229

Report Dates & Status			
Monitoring Period:	From 02/01/14 to 02/28/14	DMR Due Date:	03/28/14
Status:	NetDMR Validated		

Considerations for Form Completion
USE MO AVG FOR BOD/TSS REMV;REPT IN MINIMUM COLUMN.

Principal Executive Officer			
First Name:	Greg	Title:	Ex Director
Last Name:	Hetizman	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				<=	9 MAXIMUM			12 - SU	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	41	=	72	26 - lb/d	=	11	=	19	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	125 MO AVG	<=	188 WKLY AVG	26 - lb/d	<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00600	Nitrogen, total	1 - Effluent Gross	0	--	Sample	=					=	10	=	11	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.4	=	0.4	26 - lb/d	=	0.1	=	0.1	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	41.7 MO AVG	<=	62.6 WKLY AVG	26 - lb/d	<=	10 MO AVG	<=	15 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=					=	0.6	=	1.1	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.499	=	1.047	03 - MGD						0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon WKLY AVG	03 - MGD						0	99/99 - Continuous	CN - CONTIN	
					Value NODI														
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample						<	0.01	<	0.01	19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Permit Req.						<=	.011 MO AVG	<=	.019 WKLY AVG	19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	29	=	55	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Permit Req.						<=	130 30DA GEO	<=	240 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	=	10.6	=	16.3	26 - lb/d	=	3	=	4	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	62.6 MO AVG	<=	93.8 WKLY AVG	26 - lb/d	<=	15 MO AVG	<=	22.5 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					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
Silverheights_Cover_022014.pdf	pdf	16315
Silverheights_MOR_022014.pdf	pdf	9522
201402_SILVERHEIGHTSWQTC_OverflowReport.pdf	pdf	71916

Report Last Saved By
SILVER HEIGHTS WQTC MSD

User: kevin.ries@louisvillemsd.org
Name: Kevin Ries
E-Mail: kevin.ries@louisvillemsd.org

Date/Time:

2014-03-26 10:31 (Time Zone: -04:00)

Silver Heights		Report for	Feb-14 Concentrations			Tot. Exc.= 0						
Tot. Flow=	13.97374		BOD	NH3	Ecoli	TSS	Pounds BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC
Date	Flow	TSS										
2/1/14	0.259									9.2	7.1	
2/2/14	0.460									8.9	6.8	
2/3/14	0.419	4	2	0.1		13.965	6.982	0.209	1.14	8.7	6.5	
2/4/14	0.509				32					8.6	6.5	
2/5/14	1.047									8.6	6.7	
2/6/14	0.766									8.5	6.7	
2/7/14	0.582									7.5	7.5	
2/8/14	0.497									7.8	7.2	
2/9/14	0.460	7	2	0.11		26.836	7.667	0.422	0.429	7.6	7	
2/10/14	0.383				55					8.4	7.1	
2/11/14	0.350									8.5	7.1	
2/12/14	0.340									8.4	7.5	
2/13/14	0.347									8.8	7.7	
2/14/14	0.405									8.3	7.5	
2/15/14	0.490									8	7.3	
2/16/14	0.454	19	3	0.11		71.998	11.368	0.417	0.592	8.6	6.9	
2/17/14	0.687				14					8.4	7.1	
2/18/14	0.861									8.6	7.3	
2/19/14	0.710									7.2	7	
2/20/14	0.633									7	7	
2/21/14	0.699									7	7.3	
2/22/14	0.547									7.2	7.2	
2/23/14	0.488	13	4	0.11		52.859	16.264	0.447	0.128	7.2	7.2	
2/24/14	0.402				14					7.3	7.2	
2/25/14	0.339									8.6	6.5	
2/26/14	0.309									9.1	7.2	
2/27/14	0.279									9.4	6.8	
2/28/14	0.255									9.2	6.9	
Average	0.499	11	3	0.1	24.23	41	10.571	0.37	0.6	8.24	7	0.00
Maximum	1.047	19	4	0.1	55.00	72	16.264	0.4	1.1	9.40	8	0.00
Exceed.	10	0	0	0	0	0	0	0	0			

Tot.N

10.94

9.68

9.91

9.39

9.98

10.94



Report Selections: Period: 02/01/2014 00:00 thru 02/28/2014 23:59, treatment Plant: MSD0258 SILVER HEIGHTS, 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
KY0028801	MSD0258	SILVER HEIGHTS	MUD CREEK	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0258	9412 SLAYTON CT		MUD CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2108069		2/5/14 9:45 am	SINGLETON	OPS BSHIFT WEST	REPAIRED - ISSUE RESOLVED	02/06/2014	BYPASS AT WQTC	UNAUTHORIZED DISCHAGE - WATERS	02/06/14 07:00 AM	

Discharge Reporting:

Discharge Amount:	100 GAL
Cause:	PLANT EFFLUENT LINE TO CREEK IS BROKEN
Clean Up:	NO DEBRIS
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	NO IMPACT OBSERVED
Repair:	CONTRACTOR WILL EXCAVATE AND REPAIR LINE
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

Notifications:

1/30/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
1/30/14 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'

Total Facilities Printed: 1

Total Work Orders Printed: 1