



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

May 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 – April 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 April 2014.

There were no exceedences or bypass reports during the month of April for the Silver Heights WQTC.

Also included are the monthly 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 "John Kessel", is written over a light blue horizontal line.

John Kessel
Process Supervisor, West region

JMK/Silver Heights 0414

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 04/01/14 to 04/30/14	DMR Due Date:	05/28/14
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:	Exec 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	=	6				=	7			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	=	42	=	66	26 - lb/d	=	12	=	18	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	=					=	13	=	18	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	=	0.5	=	0.7	26 - lb/d	=	0.2	=	0.3	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	=					=	1.5	=	2	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	=	0.468	=	1.846	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	01/01 - Daily	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						=	4	=	20	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	=	15	=	24.6	26 - lb/d	=	5	=	5	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_042014.pdf	pdf	17371
Silverheights_Mor_042014.pdf	pdf	8615
201404_SILVERHEIGHTS_OverflowReport.pdf	pdf	72217

Report Last Saved By
SILVER HEIGHTS WQTC MSD

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

Date/Time:

2014-05-20 10:46 (Time Zone: -04:00)

Silver Heights		Report for		Apr-14		Tot. Exc.=		0					
Tot. Flow= 14.05476				Concentrations				Pounds					
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC	Tot.N
4/1/14	0.278	12	5	0.22		27.776	11.573	0.509	2.04	7.7	7	0.01	13.6
4/2/14	0.257				7					8.2	6.6	0.01	
4/3/14	0.570									8.1	6.7	0.01	
4/4/14	1.846									7	6.8	0.01	
4/5/14	0.970									7	6.7	0.01	
4/6/14	0.645									7.7	7	0.01	
4/7/14	0.662									7.6	7	0.01	
4/8/14	0.636									7.8	7.2	0.01	
4/9/14	0.511									7.7	6.4	0.01	
4/10/14	0.440	18	4	0.06		66.113	14.692	0.220	0.441	7.6	6.5	0.01	7.83
4/11/14	0.384				1					7.4	6.8	0.01	
4/12/14	0.338									7.6	6.8	0.01	
4/13/14	0.328									7.3	7.1	0.01	
4/14/14	0.393									7.7	6.7	0.01	11
4/15/14	0.589	12	5	0.14		58.982	24.576	0.688	1.41	7	6.2	0.01	
4/16/14	0.411				20					7.5	6.2	0.01	
4/17/14	0.363									7.5	6.5	0.01	
4/18/14	0.308									7.9	6.9	0.01	
4/19/14	0.297									7.7	7.1	0.01	
4/20/14	0.279									7.4	7	0.01	
4/21/14	0.262									7.5	6.9	0.01	
4/22/14	0.271	7	4	0.25		15.807	9.033	0.565	1.95	7.4	6.9	0.01	17.7
4/23/14	0.235				2					7.8	6.6	0.01	
4/24/14	0.224									8	6.4	0.01	
4/25/14	0.232									7.2	6.5	0.01	
4/26/14	0.217									7	6.7	0.01	
4/27/14	0.222									7.3	6.6	0.01	
4/28/14	0.618									7.4	6.8	0.01	
4/29/14	0.691									7.6	6.8	0.01	
4/30/14	0.579									7.8	7	0.01	
5/1/14													
Average	0.468	12	5	0.2	4.09	42	14.968	0.50	1.5	7.55	7	0.01	
Maximum	1.846	18	5	0.3	20.00	66	24.576	0.7	2.0	8.20	7	0.01	
Exceed.	11	0	0	0	0	0	0	0					



Report Selections: Period: 04/01/2014 00:00 thru 04/30/2014 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
SMH Sewer Manhole	61667	9718 TITAN DR		MUD CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2141545		4/4/14 7:30 am	DAVIS	TELLMAN	DOCUMENTED	03/09/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	04/04/14 03:00 PM	

Discharge Reporting:

Discharge Amount:	45,000 GAL
Cause:	lack of system capacity
Clean Up:	msd to clean and sanitize affected area
Control Zone:	caution tape and temp signs
Impact:	sewage
Repair:	area included in ioap
Public Notification:	advised customer by door cards

Notifications:

4/4/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
4/4/14 1:00 am	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