



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

January 14, 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 – December 2013**

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 December.

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

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 horizontal line.

John Kessel
Process Supervisor, West region

JMK/Silver Heights 1213

Enclosures

cc: T. Singleton
R. Shaw
C.Roth



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

DMR Copy of Record

Permit

Permit #:
Major:

KY0028801
No

Permittee:
Permittee Address:

SILVER HEIGHTS WQTC MSD
9418 SLAYTON CT
LOUISVILLE, KY 40229

Facility:
Facility Location:

SILVER HEIGHTS WQTC MSD
9418 SLAYTON CT
LOUISVILLE, KY 40229

Permitted Feature:

001
External Outfall

Discharge:

001-2
SANITARY WASTEWATER

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

USE MO AVG FOR BOD/TSS REMV;REPT IN MINIMUM COLUMN.

Principal Executive Officer

First Name:
Last Name:

Greg
Hetizman

Title:

Exec Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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					19 - mg/L	0	01/01 - Daily	GR - GRAB
					Permit Req.						>=	7 INST MIN					19 - mg/L		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		01/07 - Weekly	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	74	=	214	26 - lb/d			=	18	=	42	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	125 30DA AVG	<=	250 DAILY MX	26 - lb/d			<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	2.9	=	8.7	26 - lb/d			=	0.7	=	1.7	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	41.7 30DA AVG	<=	83.4 DAILY MX	26 - lb/d			<=	10 30DA AVG	<=	20 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	1.4	=	2.1	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.455	=	0.892	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon 30DA AVG		Req Mon INST MAX	03 - MGD									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 30DA AVG	<=	.019 DAILY MX	19 - mg/L		01/07 - Weekly	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample								=	35	=	95	13 - #/100mL	0	01/07 - Weekly	GR - GRAB
					Permit Req.								<=	200 30DA GEO	<=	400 DAILY MX	13 - #/100mL		01/07 - Weekly	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	20.3	=	51	26 - lb/d			=	5	=	10	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	62.6 30DA AVG	<=	125 DAILY MX	26 - lb/d			<=	15 30DA AVG	<=	30 DAILY MX	19 - mg/L		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
STPMOR122013.XLS	xls	297472
Silverheights_Cover_122013.pdf	pdf	14474

Report Last Saved By

SILVER HEIGHTS WQTC MSD

User:
Name:
E-Mail:

kessel@louisvillemsd.org
John Kessel
kessel@louisvillemsd.org

Date/Time:

2014-01-27 11:52 (Time Zone: -05:00)

Silver Heights		Report for		Dec-13		Tot. Exc.=		0				
Tot. Flow= 14.09943				Concentrations				Pounds				
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC
12/1/13	0.238	13	4	0.22		25.807	7.941	0.437	2.08	7	7.5	0.01
12/2/13	0.224									7.7	7.4	0.01
12/3/13	0.205									7.6	7.4	0.01
12/4/13	0.217									7.5	7	0.01
12/5/13	0.311									7.4	7	0.01
12/6/13	0.505									7.6	7	0.01
12/7/13	0.540									7.8	7	0.01
12/8/13	0.490	11	4	0.34		44.945	16.344	1.389	1.33	7.5	7	0.01
12/9/13	0.466									7.6	7	0.01
12/10/13	0.414									7.8	7	0.01
12/11/13	0.381									8.1	7.6	0.01
12/12/13	0.349									7.9	7.2	0.01
12/13/13	0.329									8.2	7.2	0.01
12/14/13	0.660									7.8	7.2	0.01
12/15/13	0.611	42	10	1.7		214.049	50.964	8.664	2.03	7.6	7	0.01
12/16/13	0.496									7.5	7	0.01
12/17/13	0.421									7.8	7.2	0.01
12/18/13	0.373									7.7	7	0.01
12/19/13	0.340									7.8	7.1	0.01
12/20/13	0.332									7.6	7	0.01
12/21/13	0.861									7.6	7.2	0.01
12/22/13	0.892											0.01
12/23/13	0.815									7.3	6.9	0.01
12/24/13	0.579									7.1	7.1	0.01
12/25/13	0.485									8.2	6.9	0.01
12/26/13	0.507									7.5	7.3	0.01
12/27/13	0.367	4	2	0.34		12.232	6.116	1.040	0.255	7.2	7.5	0.01
12/28/13	0.332									7.4	7.2	0.01
12/29/13	0.539									7.2	6.9	0.01
12/30/13	0.441									7.2	7.3	0.01
12/31/13	0.381									7.2	7.4	0.01
Average	0.455	18	5	0.7	0.00	74	20.341	2.88	1.4	7.58	7	0.01
Maximum	0.892	42	10	1.7	0.00	214	50.964	8.7	2.1	8.20	8	0.01
Exceed.	10	0	0	0	0	0	0	0				