



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

April 22, 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 – March 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 March.

There were no bypasses or overflows during the month of March for the Silver Heights WQTC.

This month Silver Heights had one e coli violation. The March 10th e coli result was 1010 col/100mls. Due to the Silver Heights permit change at the beginning of the year the out of range limits were not setup in our labworks notification program. By the time the sample result was noticed we had already started our third sample week. So no additional samples were taken and we were unable to lower our maximum weekly average. Follow up samples indicate we are in compliance.

We are unable to determine the cause of the violation. As a precaution, we have increased the chlorine and sulfur dioxide feed rates.

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

Sincerely,

A handwritten signature in black ink, appearing to be "J. Kessel", written over a horizontal line.

John Kessel
Process Supervisor, East region

JMK/Silver Heights 03/14

Enclosures

cc: T. Singleton
R. Shaw



*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:

001-1
SANITARY WASTEWATER

Report Dates & Status

Monitoring Period:

From 03/01/14 to 03/31/14

DMR Due Date:

04/28/14

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:

Ex 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		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			=	7	12 - SU		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	=	16	=	31	26 - lb/d			=	7	=	13	19 - mg/L		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								=	15	=	20	19 - mg/L		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			=	0.3	=	0.4	19 - mg/L		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								=	1.6	=	2.4	19 - mg/L		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	=	0.262	=	0.401	03 - MGD									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		01/01 - Daily	GR - GRAB
					Permit Req.							<=	.011 MO AVG	<=	.019 WKLY AVG		19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Value NODI															
X51040	E. coli	1 - Effluent Gross	0	--	Sample							=	28	=	1010		13 - #/100mL		01/07 - Weekly	GR - GRAB
					Permit Req.							<=	130 30DA GEO	<=	240 7 DA GEO		13 - #/100mL	1	01/07 - Weekly	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	6.5	=	9.6	26 - lb/d			=	3	=	4	19 - mg/L		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

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
51040	E. coli	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

Name	Type	Size
Silverheights_MOR_032014.pdf	pdf	6672
Silveheights_Cover_032014.pdf	pdf	16681



Silver Heights		Report for	Mar-14		Tot. Exc.=		1 Violation						
Tot. Flow=	8.12352		Concentrations				Pounds						
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC	Tot.N
3/1/14	0.264									9.2	6.9	0.01	
3/2/14	0.401									7	7.2	0.01	
3/3/14	0.384	3	2	0.1	2	9.603	6.402	0.179	0.697	7.2	7	0.01	11.81
3/4/14	0.367									7.5	7	0.01	
3/5/14	0.368									9.2	6.6	0.01	
3/6/14	0.373									9.2	6.6	0.01	
3/7/14	0.354									9.2	6.6	0.01	
3/8/14	0.328									8.1	6.6	0.01	
3/9/14	0.288	13	4	0.17		31.247	9.614	0.409	1.34	8.1	6.6	0.01	10.93
3/10/14	0.277				1010					8	7.1	0.01	
3/11/14	0.265									8	7.1	0.01	
3/12/14	0.244									7.5	6.5	0.01	
3/13/14	0.218									7.6	6.5	0.01	
3/14/14	0.221									7.9	6.7	0.01	
3/15/14	0.209									7.5	6.9	0.01	
3/16/14	0.218	5	2	0.39		9.075	3.630	0.708	2.03	7.7	7.1	0.01	16.41
3/17/14	0.210				15					8.6	7	0.01	
3/18/14	0.208									8.4	6.6	0.01	
3/19/14	0.206									8.8	7	0.01	
3/20/14	0.195									8.6	6.9	0.01	
3/21/14	0.187									8.4	6.8	0.01	
3/22/14	0.196									8.6	7.1	0.01	
3/23/14	0.196	8	4	0.39		13.087	6.544	0.638	2.42	8.9	6.8	0.01	19.81
3/24/14	0.185				20					8.4	7	0.01	
3/25/14	0.170									9	6.7	0.01	
3/26/14	0.167									8.7	6.9	0.01	
3/27/14	0.188									8.4	6.7	0.01	
3/28/14	0.202									8.1	6.9	0.01	
3/29/14	0.379									7.8	7	0.01	
3/30/14	0.361									7.8	7	0.01	
3/31/14	0.295									8.2	6.8	0.01	
Average	0.262	7	3	0.3	27.90	16	6.548	0.48	1.6	8.25	7	0.01	
Maximum	0.401	13	4	0.4	1010.00	31	9.614	0.7	2.4	9.20	7	0.01	
Exceed.	0	0	0	0	1	0	0	0					
Day Viol.					1								