



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

October 21, 2013

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 – September 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 September.

There were no bypasses or overflow reports during the month of September for the Silver Heights WQTC.

During the month of September we reported a 600 colonies fecal violation. On this day the effluent flow was .274mgd, the operator reported a 1.0 mg/l pre-effluent residual. Immediately after this result was known we collected another sample which resulted in 12cols and this placed us back into compliance. After testing residual chlorine concentrations at numerous locations in the chlorine contact channel, we were able to determine we were not overfeeding sulfur dioxide. We were unable to pinpoint a cause for this exceedance.

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

Sincerely,

John Kessel
Process Supervisor, West region

JMK/Silver Heights 0913

Enclosures

cc: T. Singleton
R. Shaw
C.Roth



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:	001-2 SANITARY WASTEWATER
Facility:		Facility Location:	SILVER HEIGHTS WQTC MSD 9418 SLAYTON CT LOUISVILLE, KY 40229

Report Dates & Status			
Monitoring Period:	From 09/01/13 to 09/30/13	DMR Due Date:	10/28/13
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:	Heitzman	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					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					=	6		=	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	=	10	=	14		26 - lb/d	=	5	=	8		19 - mg/L	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	0	01/07 - Weekly	CP - COMPOS			
					Value NODI																		
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	2.1	=	5.8		26 - lb/d	=	0.9	=	2		19 - mg/L	01/07 - Weekly	CP - COMPOS				
					Permit Req.	<=	16.7 30DA AVG	<=	33.4 DAILY MX		26 - lb/d	<=	4 30DA AVG	<=	8 DAILY MX		19 - mg/L	0	01/07 - Weekly	CP - COMPOS			
					Value NODI																		
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample					=	2.4	=	2.7		19 - mg/L	01/07 - Weekly	CP - COMPOS						
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX		19 - mg/L	0	01/07 - Weekly	CP - COMPOS		
					Value NODI																		
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.213	=	0.785		03 - MGD							99/99 - Continuous	CN - CONTIN				
					Permit Req.		Req Mon 30DA AVG		Req Mon INST MAX		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 30DA AVG	<=	.019 DAILY MX		19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Value NODI																		
X 74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample							=	15	=	600		13 - #/100mL	05/30 - 5 Times Every Month	GR - GRAB				
					Permit Req.										<=	200 30DA GEO	<=	400 DAILY MX		13 - #/100mL	1	01/07 - Weekly	GR - GRAB
					Value NODI																		
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	4.1	=	6		26 - lb/d	=	2	=	2		19 - mg/L	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	0	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						
Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
74055	Coliform, fecal general	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments
See attached cover letter for fecal violation

Attachments		
Name	Type	Size
Silverheights_MOR_092013.pdf	pdf	7240
Silverheights_Cover_092013.pdf	pdf	17130

Report Last Saved By
SILVER HEIGHTS WQTC MSD

User: kessel@louisvillemsd.org

Date/Time:

2013-10-25 13:36 (Time Zone: -04:00)

Name: John Kessel

E-Mail: kessel@louisvillemsd.org

Silver Heights		Report for Sep-13			Tot. Exc.=		1 Violation					
Tot. Flow=	6.39466	Concentrations					Pounds					
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC
9/1/13	0.217									7.4	6.9	0.01
9/2/13	0.274	6	2	0.45		13.731	4.577	1.030	1.97	7.2	7	0.01
9/3/13	0.274				600					7	6.8	0.01
9/4/13	0.192									7.1	7.2	0.01
9/5/13	0.173				12					7.3	6.9	0.01
9/6/13	0.172									7.5	6.9	0.01
9/7/13	0.175									7.3	7	0.01
9/8/13	0.194	4	2	0.78		6.485	3.242	1.265	2.46	7.2	6.9	0.01
9/9/13	0.181				3					7.2	7	0.01
9/10/13	0.162									7.2	6.5	0.01
9/11/13	0.168									7.4	6.7	0.01
9/12/13	0.174									7.3	6.7	0.01
9/13/13	0.156									7.4	6.5	0.01
9/14/13	0.152									7.4	6.6	0.01
9/15/13	0.164	8	2	0.28		10.931	2.733	0.383	2.74	7.2	6.8	0.01
9/16/13	0.141				5					7.6	6.4	0.01
9/17/13	0.146									7.9	6.5	0.01
9/18/13	0.151									8	6.6	0.01
9/19/13	0.154									8	6.5	0.01
9/20/13	0.189									8.4	6.6	0.01
9/21/13	0.785									8	6.4	0.01
9/22/13	0.350	3	2	2		8.754	5.836	5.836	2.55	7	6.9	0.01
9/23/13	0.267				7					7.2	7	0.01
9/24/13	0.227									8	7	0.01
9/25/13	0.220									7.4	7	0.01
9/26/13	0.201									7.2	7	0.01
9/27/13	0.182									7.8	7.1	0.01
9/28/13	0.185									7.7	7.1	0.01
9/29/13	0.193									7.6	7.1	0.01
9/30/13	0.174									7.9	6.3	0.01
10/1/13												
Average	0.213	5	2	0.9	14.99	10	4.097	2.13	2.4	7.49	7	0.01
Maximum	0.785	8	2	2.0	600.00	14	5.836	5.8	2.7	8.40	7	0.01
Exceed.	1	0	0	0	1	0	0	0				