



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

December 16, 2013

Cheryl Edward
Kentucky Division of Water
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for November 2013.**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Hite Creek WQTC, for the month of November 2013.

There were no exceedences or bypasses to report this month.

Also attached is an overflow report.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Thompson".

Kevin Thompson
Process Supervisor, East Region

KT/ Hite Creek. 11/13.

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit			
Permit #:	KY0022420	Permittee:	HITE CREEK WQTC MSD
Major:	Yes	Permittee Address:	5512 HITT LN LOUISVILLE, KY 40201
Permitted Feature:	001 External Outfall	Discharge:	001-2 MUNICIPAL WASTEWATER
Facility:		Facility Location:	HITE CREEK WQTC MSD 5512 HITT LN LOUISVILLE, KY 40201

Report Dates & Status			
Monitoring Period:	From 11/01/13 to 11/30/13	DMR Due Date:	12/28/13
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:	Executive 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	=	8				=	8				19 - mg/L	0	01/01 - Daily	GR - GRAB
					Permit Req.	>=	7 INST MIN								19 - mg/L	0	03/07 - Three Per Week	GR - GRAB	
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7				=	7.7			12 - SU	0	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	6 MINIMUM								12 - SU	0	03/07 - Three Per Week	GR - GRAB	
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	183	=	254	26 - lb/d	=	5	=	6	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.	<=	1501 MO AVG	<=	2252 MX WK AV	26 - lb/d	<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	6978	=	8694	26 - lb/d	=	201	=	213	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	7	=	10	26 - lb/d	=	0.2	=	0.2	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.	<=	250 MO AVG	<=	375 MX WK AV	26 - lb/d	<=	5 MO AVG	<=	7.5 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	634	=	659	26 - lb/d	=	19	=	22	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample	=	0.4	=	0.6	19 - mg/L	=	0.4	=	0.6	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L	<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.249	=	9.366	03 - MGD						0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD						0	99/99 - Continuous	CN - CONTIN	
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample	=	4	=	13	13 - #/100mL						0	03/07 - Three Per Week	GR - GRAB	
					Permit Req.	<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL						0	03/07 - Three Per Week	GR - GRAB	
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	88	=	123	26 - lb/d	=	2	=	3	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.	<=	500 MO AVG	<=	751 MX WK AV	26 - lb/d	<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	6385	=	6996	26 - lb/d	=	185	=	212	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	26 - lb/d		Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample	=	99								23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.	>=	85 MO AV MN								23 - %	0	01/30 - Monthly	CA - CALCTD	
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	98								23 - %	0	01/30 - Monthly	CA - CALCTD	
					Permit Req.	>=	85 MO MIN								23 - %	0	01/30 - Monthly	CA - CALCTD	
					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
201311_HC_MOR.pdf	pdf	40533
201311_HC_overflow.pdf	pdf	22186
201311_HC_coverletter.pdf	pdf	16051

Report Last Saved By

HITE CREEK WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2013-12-26 13:39 (Time Zone: -05:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

DMR Copy of Record

Permit																			
Permit #:	KY0022420				Permittee:	HITE CREEK WQTC MSD				Facility:	HITE CREEK WQTC MSD								
Major:	Yes				Permittee Address:	5512 HITT LN LOUISVILLE, KY 40201				Facility Location:	5512 HITT LN LOUISVILLE, KY 40201								
Permitted Feature:	001 External Outfall				Discharge:	001-R REASONABLE POTENTIAL													
Report Dates & Status																			
Monitoring Period:	From 11/01/13 to 11/30/13				DMR Due Date:	12/28/13				Status:	NetDMR Validated								
Considerations for Form Completion																			
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First Name:	Greg				Title:	Executive Director				Telephone:	502-540-6000								
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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			
00722	Cyanide, free [amen. to chlorination]	1 - Effluent Gross	0	--	Sample					<	0.005			<	0.005	19 - mg/L	02/30 - Twice Per Month	CP - COMPOS	
					Permit Req.												01/30 - Monthly	CP - COMPOS	
					Value NODI														
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample					=	207			=	207	19 - mg/L	01/30 - Monthly	CP - COMPOS	
					Permit Req.												01/30 - Monthly	CP - COMPOS	
					Value NODI														
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--	Sample					<	0.01			<	0.01	19 - mg/L	03/30 - Three Per Month	CP - COMPOS	
					Permit Req.												01/30 - Monthly	CP - COMPOS	
					Value NODI														
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample					<	0.00118			<	0.00118	19 - mg/L	01/30 - Monthly	CP - COMPOS	
					Permit Req.												01/30 - Monthly	CP - COMPOS	
					Value NODI														
Submission Note																			
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Edit Check Errors																			
No errors.																			
Comments																			
Attachments																			
No attachments.																			
Report Last Saved By																			
HITE CREEK WQTC MSD																			
User:	kevin.thompson@louisvillemsd.org								Date/Time:	2013-12-26 13:40 (Time Zone: -05:00)									
Name:	Kevin Thompson																		
E-Mail:	kevin.thompson@louisvillemsd.org																		



Report Selections: Period: 11/01/2013 00:00 thru 11/30/2013 23:59, 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
KY0022420	MSD0202	HITE CREEK	HITE CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	11877A	5500 HITT RD		HITE 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	2060968		11/17/13 12:05 pm	GREEN	OPS BSHIFT EAST	BEYOND APPROVED DESIGN STORM	11/17/2013	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	11/17/13 12:10 PM	

Discharge Reporting:

Discharge Amount:	25 GAL
Cause:	HIGH WET WELL LEVEL
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA

Notifications:

11/17/13 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'
11/17/13 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'