



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

October 11, 2014

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

RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for September 2014.

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 September 2014.

Also attached is an overflow report and the third quarter biomonitoring DMR's.

There were no exceedances or bypasses to report this month.

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

Sincerely,

A handwritten signature in black ink that reads "Duane V. Wright". The signature is written in a cursive, flowing style.

Duane V. Wright
Process Supervisor, East Region

DVW/ Hite Creek. 09/14.

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit

Permit #:

KY0022420

Major:

Yes

Permittee:

HITE CREEK WQTC MSD

Permittee Address:

5512 HITT LN
LOUISVILLE, KY 40201

Facility:

HITE CREEK WQTC MSD

Facility Location:

5512 HITT LN
LOUISVILLE, KY 40201

Permitted Feature:

001
External Outfall

Discharge:

001-2
MUNICIPAL WASTEWATER

Report Dates & Status

Monitoring Period:

From 09/01/14 to 09/30/14

DMR Due Date:

10/28/14

Status:

NetDMR Validated

Considerations for Form Completion

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

Principal Executive Officer

First Name:

Greg

Last Name:

Heitzman

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI: --

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						=	8					19 - mg/L	0	01/01 - Daily	GR - GRAB
					Permit Req.						>=	7 INST MIN					19 - mg/L			
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6.9			=	7.7	12 - SU	0	01/01 - Daily	GR - GRAB
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU			
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	80	=	94	26 - lb/d			=	3	=	3	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			
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	6701	=	8018	26 - lb/d			=	218	=	269	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			
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	14	=	20	26 - lb/d			=	0.4	=	0.6	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					Permit Req.	<=	100 MO AVG	<=	150 MX WK AV	26 - lb/d			<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L			
					Value NODI															
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	686	=	716	26 - lb/d			=	22	=	25	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			
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample								=	0.4	=	0.6	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.								<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L			
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.916	=	8.494	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD										
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample								=	2	=	4	13 - #/100mL	0	03/07 - Three Per Week	GR - GRAB
					Permit Req.								<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL			
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	67	=	80	26 - lb/d			=	2	=	2	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			
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	4661	=	5320	26 - lb/d			=	151	=	178	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			
					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 - %			
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	99					23 - %	0	01/30 - Monthly	CA - CALCTD
					Permit Req.						>=	85 MO MIN					23 - %			
					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
HC092014_COVER.pdf	pdf	17214
Sept2014_HCWQTC.pdf	pdf	71073
201409_HiteCreek_MOR.pdf	pdf	39336
Report Last Saved By		
HITE CREEK WQTC MSD		
User:	kevin.ries@louisvillemsd.org	Date/Time: 2014-10-16 12:53 (Time Zone: -04:00)
Name:	Kevin Ries	
E-Mail:	kevin.ries@louisvillemsd.org	

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KY0022420

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5512 HITT LN
LOUISVILLE, KY 40201

Facility:

HITE CREEK WQTC MSD

Facility Location:

5512 HITT LN
LOUISVILLE, KY 40201

Permitted Feature:

001
External Outfall

Discharge:

001-R
REASONABLE POTENTIAL

Report Dates & Status

Monitoring Period:

From 09/01/14 to 09/30/14

DMR Due Date:

10/28/14

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Greg

Last Name:

Heitzman

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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Comments

Attachments

No attachments.

Report Last Saved By

HITE CREEK WQTC MSD

User:

kevin.ries@louisvillemasd.org

Date/Time:

2014-10-16 12:54 (Time Zone: -04:00)

Name:

Kevin Ries

E-Mail:

kevin.ries@louisvillemasd.org

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Permit

Permit #:
Major:

KY0022420
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Permittee:
Permittee Address:

HITE CREEK WQTC MSD
5512 HITT LN
LOUISVILLE, KY 40201

Facility:
Facility Location:

HITE CREEK WQTC MSD
5512 HITT LN
LOUISVILLE, KY 40201

Permitted Feature:

001
External Outfall

Discharge:

001-Y
METALS/BIOMONITORING/QUARTERLY

Report Dates & Status

Monitoring Period:

From 07/01/14 to 09/30/14

DMR Due Date:

10/28/14

Status:

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Considerations for Form Completion

Principal Executive Officer

First Name:
Last Name:

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Heitzman

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Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample								=	0.045	=	0.045	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample								<	0.05	<	0.05	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample								<	0.002	<	0.002	19 - mg/L		01/90 - Quarterly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Value NODI															
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample										<	1	2G - tox chronic		01/90 - Quarterly	CP - COMPOS
					Permit Req.										<=	1 DAILY MX	2G - tox chronic	0	01/90 - Quarterly	CP - COMPOS
					Value NODI															
71901	Mercury, total recoverable	1 - Effluent Gross	0	--	Sample								=	3.53	=	3.53	19 - mg/L		01/90 - Quarterly	GR - GRAB
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Value NODI															

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Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

HITE CREEK WQTC MSD

User:

kevin.ries@louisvillemSD.org

Date/Time:

2014-10-16 12:55 (Time Zone: -04:00)

Name:

Kevin Ries

E-Mail:

kevin.ries@louisvillemSD.org

RECEIVING STREAM HITE CREEK

PLANT TELEPHONE



Initiated Sep 01, 2014 12:00 AM thru Sep 30, 2014 11:59 PM

Report Selections: Period: 09/01/2014 00:00 thru 09/30/2014 23:59, treatment Plant: MSD0202 HITE CREEK, 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	108956	7302 FLOYDSBURG RD		FLOYDS FORK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2231205		9/11/14 3:00 am	SINGLETON	OPS ASHIFT	ELIMINATED	12/17/2010	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	09/11/14 09:15 AM	

Discharge Reporting:

Discharge Amount:	11,250 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	SEWAGE OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR. MSD HAULED STATION #2231342
Public Notification:	TEMPORARY SIGNS PLACED AROUND AFFECTED AREA

Notifications:

9/11/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
9/2/14 1:00 pm	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