



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

January 5, 2015

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

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

Also attached is an overflow report and the fourth quarter biomonitoring DMR.

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, appearing to read "Duane V. Wright". The signature is written in a cursive style with a large, prominent "D" and "W".

Duane V. Wright  
Process Supervisor, East Region

DVW/ Hite Creek. 12/14.

Enclosures

cc: T. Singleton  
R. Shaw



*Beneficial Use of Louisville's Biosolids*  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

DMR Copy of Record

<b>Permit</b>			
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

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 12/01/14 to 12/31/14	DMR Due Date:	01/28/15
Status:	NetDMR Validated		

**Considerations for Form Completion**  
USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

<b>Principal Executive Officer</b>			
First Name:	Greg	Title:	Exec Dir.
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	=	9									19 - mg/L	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	7 INST MIN									19 - mg/L	03/07 - Three Per Week	GR - GRAB	
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7					=	8		12 - SU	01/01 - Daily	GR - GRAB		
					Permit Req.	>=	6 MINIMUM				<=	9 MAXIMUM			12 - SU	03/07 - Three Per Week	GR - GRAB		
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	144	=	194	26 - lb/d		=	4	=	5	19 - mg/L	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	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample	=	7434	=	8131	26 - lb/d		=	213	=	250	19 - mg/L	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	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	18	=	23	26 - lb/d		=	0.5	=	0.6	19 - mg/L	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	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	706	=	743	26 - lb/d		=	20	=	23	19 - mg/L	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	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample	=		=				=	0.6	=	1	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.						<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.458	=	10.709	03 - MGD							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							=	2	=	2	13 - #/100mL	03/07 - Three Per Week	GR - GRAB	
					Permit Req.							<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	03/07 - Three Per Week	GR - GRAB	
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	128	=	151	26 - lb/d		=	4	=	5	19 - mg/L	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	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	G - Raw Sewage Influent	0	--	Sample	=	5306	=	6120	26 - lb/d		=	152	=	210	19 - mg/L	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	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	98			23 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.							>=	85 MO AV MN			23 - %	01/30 - Monthly	CA - CALCTD	
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	98			23 - %	01/30 - Monthly	CA - CALCTD		
					Permit Req.							>=	85 MO MIN			23 - %	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
201412_HC_overflow.pdf	pdf	72085
HC122014_MOR.pdf	pdf	60713
HC122014_COVER.pdf	pdf	16145

**Report Last Saved By**

**HITE CREEK WQTC MSD**

User: kevin.ries@louisvillemsd.org	Date/Time: 2015-01-22 11:11 (Time Zone: -05:00)
Name: Kevin Ries	
E-Mail: kevin.ries@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 12/01/14 to 12/31/14				DMR Due Date:	01/28/15				Status:	NetDMR Validated							
Considerations for Form Completion																		
Principal Executive Officer																		
First Name:	Greg				Title:	Exec. Dir				Telephone:	502-540-6000							
Last Name:	Heitzman																	
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		
00722	Cyanide, free [amen. to chlorination]	1 - Effluent Gross	0	--	Sample					<	0.005			<	0.005	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.												01/30 - Monthly	CP - COMPOS
					Value NODI													
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample					=	220			=	220	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					<	0.004			<	0.004	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.												01/30 - Monthly	CP - COMPOS
					Value NODI													
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample					<	0.000201			<	0.000201	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.												01/30 - Monthly	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																		
No attachments.																		
Report Last Saved By																		
HITE CREEK WQTC MSD																		
User:	kevin.ries@louisvillemtd.org				Date/Time:	2015-01-22 11:08 (Time Zone: -05:00)												
Name:	Kevin Ries																	
E-Mail:	kevin.ries@louisvillemtd.org																	







Report Selections: Period: 12/01/2014 00:00 thru 12/31/2014 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	108958	7302 FLOYDSBURG RD		FLOYDS FORK	CATCH BASIN

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2273434		12/6/14 11:20 am	MARKS JR	OPS BSHIFT EAST	DOCUMENTED	02/25/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	12/06/14 06:15 PM	

**Discharge Reporting:**

Discharge Amount:	4,150 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 ON THE GROUND
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

**Notifications:**

12/6/14 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemSD.org, Sayre.Dennis@epamail.epa.gov'
12/6/14 1:00 am	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