



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

January 12, 2016

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 2015.**

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 2015.

Also attached are discharge reports and the 4th 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 cursive script, appearing to read "Duane V. Wright".

Duane V. Wright
Process Supervisor, East Region

DVW/ Hite Creek. 12/15.

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
Facility:		Facility Location:	HITE CREEK WQTC MSD 5512 HITT LN LOUISVILLE, KY 40201
Permitted Feature:	001 External Outfall	Discharge:	001-2 MUNICIPAL WASTEWATER

Report Dates & Status			
Monitoring Period:	From 12/01/15 to 12/31/15	DMR Due Date:	01/28/16
Status:	NetDMR Validated		

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

Principal Executive Officer			
First Name:	Tony	Title:	Exec. dir.
Last Name:	Parrott	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	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	=	8				=	8			12 - SU	01/01 - Daily	GR - GRAB			
					Permit Req.	>=	6 MINIMUM								12 - SU	03/07 - Three Per Week	GR - GRAB			
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	348	=	646	26 - lb/d	=	6	=	9	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	=	11415	=	17104	26 - lb/d	=	227	=	257	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	=	24	=	56	26 - lb/d	=	0.4	=	0.7	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	=	816	=	833	26 - lb/d	=	17	=	22	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	=		=			=	0.5	=	0.8	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.										19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	6.016	=	12.543	03 - MGD							99/99 - Continuous			
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD								99/99 - Continuous		
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample						=	3	=	4	13 - #/100mL	03/07 - Three Per Week	GR - GRAB			
					Permit Req.													03/07 - Three Per Week	GR - GRAB	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	198	=	306	26 - lb/d	=	4	=	4	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 [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample	=	6620	=	7492	26 - lb/d	=	138	=	169	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						=	97			23 - %	01/30 - Monthly	CA - CALCTD			
					Permit Req.													01/30 - Monthly	CA - CALCTD	
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	97			23 - %	01/30 - Monthly	CA - CALCTD			
					Permit Req.														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
2015_12_HCQWTC_OverflowReport.pdf	pdf	99010
HC122015_COVER.pdf	pdf	48511
HC122015_MOR.pdf	pdf	61299

Report Last Saved By

HITE CREEK WQTC MSD

User: kevin.ries@louisvillemsd.org	Date/Time: 2016-01-15 13:55 (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 12/01/15 to 12/31/15				DMR Due Date:	01/28/16				Status:	NetDMR Validated								
Considerations for Form Completion																			
Principal Executive Officer																			
First Name:	Tony				Title:	Exec. Dir.				Telephone:	502-540-6000								
Last Name:	Parrott																		
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.											19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Value NODI														
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample					=	219			=	219	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.											19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Value NODI														
01032	Chromium, hexavalent [as Cr]	1 - Effluent Gross	0	--	Sample					<	0.003			<	0.003	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.											19 - mg/L	0	01/30 - Monthly	CP - COMPOS
					Value NODI														
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample					=	0.001			=	0.001	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Permit Req.											19 - mg/L	0	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																			
Name										Type				Size					
HC122015_COVER.pdf										pdf				48511					
Report Last Saved By																			
HITE CREEK WQTC MSD																			
User:	kevin.ries@louisvillemtd.org				Date/Time:	2016-01-15 13:52 (Time Zone: -05:00)													
Name:	Kevin Ries																		
E-Mail:	kevin.ries@louisvillemtd.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-Y METALS/BIOMONITORING/QUARTERLY												
Report Dates & Status																		
Monitoring Period:	From 10/01/15 to 12/31/15				DMR Due Date:	01/28/16						Status:	NetDMR Validated					
Considerations for Form Completion																		
Principal Executive Officer																		
First Name:	Tony				Title:	Exec. Dir.						Telephone:	502-540-6000					
Last Name:	Parrott																	
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
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample		<	0.054		<	0.054	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		<	0.001		<	0.001	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		<	0.000009		<	0.000009	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													
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				
					HC122015_COVER.pdf						pdf			48511				
Report Last Saved By																		
HITE CREEK WQTC MSD																		
User:	kevin.ries@louisvillemsd.org				Date/Time:	2016-01-15 13:50 (Time Zone: -05:00)												
Name:	Kevin Ries																	
E-Mail:	kevin.ries@louisvillemsd.org																	



Report Selections: Period: 12/01/2015 00:00 thru 12/31/2015 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	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	2476584		12/27/2015	KESSEL	OPS BSHIFT EAST	DOCUMENTED	12/27/2015	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	12/27/15 06:00 PM	

Discharge Reporting:

Discharge Amount:	17,750 GAL
Cause:	RAIN EVENT, LACK OF CAPACITY AT HITE CREEK
Clean Up:	MSD CLEANED AND SANITIZED
Control Zone:	NO CONTROL ZONE, MANHOLE IS FLOODED BY CREEK
Impact:	SEWAGE, SOLIDS
Repair:	UNABLE TO STOP DUE TO RAIN STILL IN THE AREA
Public Notification:	PIPE DISCHARGE SUBMERGED- NO CONTROL ZONE

Notifications:

12/27/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
12/27/15 1:00 pm	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'

Report Selections: Period: 12/01/2015 00:00 thru 12/31/2015 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
SMN Sewer Main	MSD1064-PS	8619 WESTOVER DR		HITE CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2472955		12/15/2015	SINGLETON	OPS BSHIFT CENTRAL	REPAIRED - ISSUE RESOLVED	12/15/2015	STRUCTURAL FAILURE	UNAUTHORIZED DISCHAGE - WATERS	12/15/15 11:42 AM	

Discharge Reporting:

Discharge Amount:	25 GAL
Cause:	FORCE MAIN BREAK
Clean Up:	NO CLEAN UP- THIS IS AN ACTIVE CONSTRUCTION SITE.
Control Zone:	NO CONTROL ZONE- THIS IS AN ACTIVE CONSTRUCTION SITE
Impact:	SEWAGE OBSERVED
Repair:	CONTRACTOR REPAIRED THE FORCE MAIN
Public Notification:	NO PUBLIC NOTIFICATION- THIS IS AN ACTIVE CONSTRUCTION SITE

Notifications:

12/1/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
12/1/15 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: 2

Total Work Orders Printed: 2