



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

June 8, 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 May 2016.**

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 May 2016.

Also attached is a discharge report.

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 that reads "Duane V. Wright".

Duane V. Wright  
Process Supervisor, East Region

DVW/ Hite Creek. 05/16.

Enclosures

cc: T. Singleton  
R. Shaw



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

**DMR Copy of Record**

<b>Permit</b>			
<b>Permit #:</b>	<b>KY0022420</b>	<b>Permittee:</b>	Hite Creek WQTC MSD
<b>Major:</b>	Yes	<b>Permittee Address:</b>	700 W Liberty St Louisville, KY 40203
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-2</b> MUNICIPAL WASTEWATER
<b>Facility:</b>		<b>Facility Location:</b>	HITE CREEK WQTC MSD 5512 HITT LN LOUISVILLE, KY 40285

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	<b>From 05/01/16 to 05/31/16</b>	<b>DMR Due Date:</b>	<b>06/28/16</b>
<b>Status:</b>	<b>NetDMR Validated</b>		

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

<b>Principal Executive Officer</b>			
<b>First Name:</b>	James A.	<b>Title:</b>	Exec. Dir
<b>Last Name:</b>	Parrott	<b>Telephone:</b>	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									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	=	322	=	450	26 - lb/d		=	7	=	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	=	9142	=	12899	26 - lb/d		=	194	=	267	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	1	--	Sample	=	27	=	52	26 - lb/d		=	0.6	=	1	19 - mg/L	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	03/07 - Three Per Week	CP - COMPOS	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	G - Raw Sewage Influent	0	--	Sample	=	905	=	1059	26 - lb/d		=	19	=	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	1	--	Sample	=		=				=	0.4	=	0.6	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.						<=	1 MO AVG	<=	1.5 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	=	5.516	=	9.272	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							=	3	=	3	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 [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	377	=	581	26 - lb/d		=	8	=	12	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	=	7046	=	9719	26 - lb/d		=	148	=	201	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							=	95			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							=	96			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
HC052016_COVER.pdf	pdf	45527
2016_05_HiteCreek_OverflowReport.pdf	pdf	95944
HC052016_MOR.pdf	pdf	61191

**Report Last Saved By**

**Hite Creek WQTC MSD**

User:	kevin.ries@louisvillemsd.org		Date/Time:	2016-06-13 09:31 (Time Zone: -04:00)
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:	700 W Liberty St Louisville, KY 40203				Facility Location:	5512 HITT LN LOUISVILLE, KY 40285							
Permitted Feature:	001 External Outfall				Discharge:	001-R REASONABLE POTENTIAL												
Report Dates & Status																		
Monitoring Period:	From 05/01/16 to 05/31/16				DMR Due Date:	06/28/16				Status:	NetDMR Validated							
Considerations for Form Completion																		
Principal Executive Officer																		
First Name:	James A.				Title:	Exec. Dir.				Telephone:	502-540-6000							
Last Name:	Parrott																	
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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	01/30 - Monthly	CP - COMPOS
					Permit Req.												01/30 - Monthly	CP - COMPOS
					Value NODI													
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample					=	200			=	200	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					<	0.005			<	0.005	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					=	0.00025			=	0.00025	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																		
Name										Type				Size				
HC052016_COVER.pdf										pdf				45527				
Report Last Saved By																		
Hite Creek WQTC MSD																		
User:	kevin.ries@louisvillemtd.org				Date/Time:	2016-06-13 09:26 (Time Zone: -04:00)												
Name:	Kevin Ries																	
E-Mail:	kevin.ries@louisvillemtd.org																	



Report Selections: Period: 05/01/2016 00:00 thru 05/31/2016 23:59, treatment Plant: MSD0202 HITE CREEK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV, DISSUS

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	68048B-AG	6802 FAIRWAY VIEW CT		HUNTING 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	2560429		05/19/2016	BIVIN	BIVIN	REPAIRED - ISSUE RESOLVED	05/20/2016	MECHANICAL FAILURE	UNAUTHORIZED DISCHAGE - WATERS	05/19/16 11:29 AM	

**Discharge Reporting:**

Discharge Amount:	30 GAL
Cause:	FURTHER INVESTIGATION REQUIRED
Clean Up:	MSD WILL CLEAN AREA
Control Zone:	ADVISED CUSTOMER TO AVOID CONTACT WITH THE AREA CAUTIONED TAPED AROUND THE AREA WITH TAPE AND 7 DISCHARGE SIGNS
Impact:	OBSERVED WATER FORCED UP FROM THE GROUND VARIOUS TIMES AT THE LOCATION WHERE A FORCE MAIN LIES
Repair:	REFERRED TO OPERATIONS
Public Notification:	PHONE CALL AND SIGNS EMAILS

**Notifications:**

5/11/16 1:00 am	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
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Total Facilities Printed: 1

Total Work Orders Printed: 1