



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)

May 18, 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 April 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 April 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,

Duane V. Wright  
Process Supervisor, East Region

DVW/ Hite Creek. 04/16.

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>					
<b>Permit #:</b>	<b>KY0022420</b>	<b>Permittee:</b>	Hite Creek WQTC MSD	<b>Facility:</b>	HITE CREEK WQTC MSD
<b>Major:</b>	Yes	<b>Permittee Address:</b>	700 W Liberty St Louisville, KY 40203	<b>Facility Location:</b>	JCT OF E US 119 & KY 72 LOUISVILLE, KY 40873
<b>Permitted Feature:</b>	001 External Outfall	<b>Discharge:</b>	<b>001-2</b> MUNICIPAL WASTEWATER		

<b>Report Dates &amp; Status</b>					
<b>Monitoring Period:</b>	<b>From 04/01/16 to 04/30/16</b>	<b>DMR Due Date:</b>	<b>05/28/16</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>Telephone:</b>	502-540-6000
<b>Last Name:</b>	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	
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	=	191	=	303	26 - lb/d			=	5	=	7	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	=	11243	=	12613	26 - lb/d			=	262	=	286	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	=	37	=	55	26 - lb/d			=	0.9	=	1	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	=	834	=	892	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							=	0.8	=	1	19 - mg/L	05/30 - 5 Times Every Month	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	=	5.323	=	8.631	03 - MGD								99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									99/99 - Continuous	CN - CONTIN
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample							=	2	=	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	=	121	=	151	26 - lb/d			=	3	=	3	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	=	7050	=	7793	26 - lb/d			=	166	=	185	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
2016_04_HiteCreek_OverflowReport.pdf	pdf	95935
HC042016_COVER.pdf	pdf	46911
HC042016_MOR.pdf	pdf	62893

**Report Last Saved By**

**Hite Creek WQTC MSD**

User: kevin.ries@louisvillemsd.org	Date/Time: 2016-05-20 14:19 (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:	JCT OF E US 119 & KY 72 LOUISVILLE, KY 40873									
Permitted Feature:	001 External Outfall				Discharge:	001-R REASONABLE POTENTIAL														
Report Dates & Status																				
Monitoring Period:	From 04/01/16 to 04/30/16				DMR Due Date:	05/28/16				Status:	NetDMR Validated									
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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.											19 - mg/L 0	01/30 - Monthly		CP - COMPOS	
					Value NODI															
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample					=	204			=	204	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					<	0.005			<	0.005	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					<	0.00025			<	0.00025	19 - mg/L	01/30 - Monthly		CP - COMPOS	
					Permit Req.											19 - mg/L 0	01/30 - Monthly		CP - COMPOS	
					Value NODI															
Submission Note																				
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Edit Check Errors																				
No errors.																				
Comments																				
Attachments																				
Name										Type				Size						
HC042016_MOR.pdf										pdf				62893						
HC042016_COVER.pdf										pdf				46911						
Report Last Saved By																				
Hite Creek WQTC MSD																				
User:	kevin.ries@louisvillemtd.org				Date/Time:	2016-05-20 14:16 (Time Zone: -04:00)														
Name:	Kevin Ries																			
E-Mail:	kevin.ries@louisvillemtd.org																			



Report Selections: Period: 04/01/2016 00:00 thru 04/30/2016 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
SLS Sewer Lift Station	MSD1064-PS	8619 WESTOVER DR	WESTOVER	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	2535332		04/02/2016	BRAZEL	BRAZEL	REPAIRED - ISSUE RESOLVED	04/02/2016	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHAGE - WATERS	04/02/16 07:20 PM	

**Discharge Reporting:**

Discharge Amount:	100 GAL
Cause:	ELECTRICAL PROBLEM WITH MSD EQUIPMENT / PUMP PROTECTIVE CIRCUIT ENGAGED AFTER UTILITY POWER FAIL.
Clean Up:	MSD CLEANED AND SANITIZED THE AREA
Control Zone:	PERMANENT SIGNS SUPPLEMENTED WITH TEMPORARY SIGNS
Impact:	SEWAGE FOUND ON THE GROUND
Repair:	RESET PUMP PROTECTIVE CIRCUIT
Public Notification:	PERMANENT AND TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

**Notifications:**

4/1/16 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
4/1/16 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