



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

July 18, 2016

Cheryl Edwards
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for June 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 June 2016.

Also attached is the second quarter biomonitoring DMR.

There were no exceedances, bypasses or discharges to report this month.

The reportable only cyanide sample was collected and sent to the lab. The lab mistakenly did not preserve the sample and this exceeded the hold time.

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. 06/16.

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:	700 W Liberty St Louisville, KY 40203
Permitted Feature:	001 External Outfall	Discharge:	001-2 MUNICIPAL WASTEWATER
		Facility:	HITE CREEK WQTC MSD
		Facility Location:	5512 HITT LN LOUISVILLE, KY 40285

Report Dates & Status			
Monitoring Period:	From 06/01/16 to 06/30/16	DMR Due Date:	07/28/16
		Status:	NetDMR Validated

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

Principal Executive Officer			
First Name:	James A.	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
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	7				=	7				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				<=	9 MAXIMUM			12 - SU	03/07 - Three Per Week	GR - GRAB	
					Value NODI													
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	166	=	244	26 - lb/d	=	4	=	6	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	=	6529	=	7695	26 - lb/d	=	173	=	191	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	=	15	=	28	26 - lb/d	=	0.4	=	0.8	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	=	737	=	806	26 - lb/d	=	20	=	21	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	=		=			=	0.6	=	0.8	19 - mg/L	03/07 - Three Per Week	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	=	4.526	=	5.739	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	=	249	=	352	26 - lb/d	=	7	=	9	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	=	4932	=	5507	26 - lb/d	=	133	=	142	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						=	97			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
See cover letter

Attachments		
Name	Type	Size
HC062016_COVER.pdf	pdf	49817
HCMOR062016.pdf	pdf	60426

Report Last Saved By

Hite Creek WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2016-07-25 08:33 (Time Zone: -04:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@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 06/01/16 to 06/30/16				DMR Due Date:	07/28/16				Status:	NetDMR Validated								
Considerations for Form Completion																			
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First Name:	James A.				Title:	Exec, Dir.				Telephone:	502-540-6000								
Last Name:	Parrott																		
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					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			<	0	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					=	187			=	187	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														
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No errors.																			
Comments																			
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Report Last Saved By																			
Hite Creek WQTC MSD																			
User:	kevin.thompson@louisvillemsd.org				Date/Time:	2016-07-25 08:40 (Time Zone: -04:00)													
Name:	Kevin Thompson																		
E-Mail:	kevin.thompson@louisvillemsd.org																		

DMR Copy of Record

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Permit #:	KY0022420	Permittee:	Hite Creek WQTC MSD
Major:	Yes	Permittee Address:	700 W Liberty St Louisville, KY 40203
Permitted Feature:	001 External Outfall	Discharge:	001-Y METALS/BIOMONITORING/QUARTERLY
Facility:		Facility Location:	HITE CREEK WQTC MSD 5512 HITT LN LOUISVILLE, KY 40285

Report Dates & Status			
Monitoring Period:	From 04/01/16 to 06/30/16	DMR Due Date:	07/28/16
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	James A.	Title:	Exec. Dir.
Last Name:	Parrott	Telephone:	502-540-6000

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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
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.1	<	0.1	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly		CP - COMPOS	
					Value NODI													
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001	<	0.001	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly		CP - COMPOS	
					Value NODI													
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.002	<	0.002	19 - mg/L	0	01/90 - Quarterly	CP - COMPOS
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly		CP - COMPOS	
					Value NODI													
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample						<	1	<=	1	2G - tox chronic	0	01/90 - Quarterly	CP - COMPOS
					Permit Req.								1 DAILY MX	2G - tox chronic	01/90 - Quarterly		CP - COMPOS	
					Value NODI													
71901	Mercury, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.0000005	<	0.0000005	19 - mg/L	0	01/90 - Quarterly	GR - GRAB
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/90 - Quarterly		GR - GRAB	
					Value NODI													

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Hite Creek WQTC MSD

User:	kevin.thompson@louisvillemsd.org	Date/Time:	2016-07-25 08:38 (Time Zone: -04:00)
Name:	Kevin Thompson		
E-Mail:	kevin.thompson@louisvillemsd.org		

