



700 West Liberty Street | Louisville, KY 40203-1911
Phone: 502.587.0603 | Fax: 502.540.6106 | louisvillemsd.org

April 12, 2018

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for March 2018.**

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 March 2018.

1st quarter biomonitoring report attached.

Overflow and bypass report also attached.

There were no exceedances.

If you have any questions concerning the attached DMR's, please contact me at (502)587-5858.

Sincerely,

Staci Huber
Process Supervisor

SH/ Hite Creek. 03/18.

Cc: V. Teague
R. Shaw

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:		Facility Location:	HITE CREEK WQTC MSD 5512 HITT LN LOUISVILLE, KY 40285

Report Dates & Status			
Monitoring Period:	From 03/01/18 to 03/31/18	DMR Due Date:	04/28/18
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:	Executive Director
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	=	10									19 - mg/L	03/07 - Three Per Week	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	=	7.2				=	7.8				12 - SU	03/07 - Three Per Week	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	=	286	=	465	26 - lb/d	=	5	=	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	=	6696	=	7610	26 - lb/d	=	138	=	208		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	=	17	=	24	26 - lb/d	=	0.3	=	0.3		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	=	724	=	798	26 - lb/d	=	15	=	19		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	=	0.7		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	=	5.715	=	12.108	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	=	8		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	=	246	=	418	26 - lb/d	=	4	=	6		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	=	7761	=	8803	26 - lb/d	=	154	=	184		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.	>=	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
Coverletter_HC_2018.pdf	pdf	80020
HC_MOR_032018.pdf	pdf	62154
201803HCWQTCOverflowReport.pdf	pdf	95581

Report Last Saved By

Hite Creek WQTC MSD

User: staci.huber@louisvillemsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemsd.org
 Date/Time: 2018-04-24 13:41 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemsd.org
 Date/Time: 2018-04-24 13:41 (Time Zone: -04:00)

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-Y METALS/BIOMONITORING/QUARTERLY
Facility:		Facility Location:	HITE CREEK WQTC MSD 5512 HITT LN LOUISVILLE, KY 40285

Report Dates & Status			
Monitoring Period:	From 01/01/18 to 03/31/18	DMR Due Date:	04/28/18
Status:	NetDMR Validated		

Considerations for Form Completion			
Principal Executive Officer			
First Name:	James A	Title:	Executive Director
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
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.032	<	0.032	19 - mg/L		01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					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.														
					Value NODI														
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.001	<	0.001	19 - mg/L		01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample								<	1	2G - tox chronic		01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					Value NODI														
71901	Mercury, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.0000005	<	0.0000005	19 - mg/L		01/90 - Quarterly	GR - GRAB	
					Permit Req.														
					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: WILLIAM.FORD@LOUISVILLEMSD.ORG
Name: William Ford
E-Mail: william.ford@louisvillemmsd.org
Date/Time: 2018-04-24 12:54 (Time Zone: -04:00)

Report Last Signed By
User: staci.huber@louisvillemmsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemmsd.org
Date/Time: 2018-04-24 13:43 (Time Zone: -04:00)

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 03/01/18 to 03/31/18				DMR Due Date:	04/28/18				Status:	NetDMR Validated								
Considerations for Form Completion																			
Principal Executive Officer																			
First Name:	James A				Title:	Executive Director				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	02/30 - Twice Per Month	CP - COMPOS	
					Permit Req.												01/30 - Monthly	CP - COMPOS	
					Value NODI														
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample					=	218			=	218	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	02/30 - Twice Per Month	CP - COMPOS	
					Permit Req.												01/30 - Monthly	CP - COMPOS	
					Value NODI														
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample					=	0.25			=	0.25	19 - mg/L	02/30 - Twice Per Month	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:	WILLIAM.FORD@LOUISVILLEMSD.ORG																		
Name:	William Ford																		
E-Mail:	william.ford@louisvillemmsd.org																		
Date/Time:	2018-04-24 12:46 (Time Zone: -04:00)																		
Report Last Signed By																			
User:	staci.huber@louisvillemmsd.org																		
Name:	Staci Huber																		
E-Mail:	staci.huber@louisvillemmsd.org																		
Date/Time:	2018-04-24 13:42 (Time Zone: -04:00)																		



Report Selections: Period: 03/01/2018 00:00 thru 03/31/2018 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	108953	7302 FLOYDSBURG RD		FLOYDS FORK	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	2880656		03/24/2018	CATALANO JR	RAYMER	DOCUMENTED	03/09/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	03/24/18 08:20 PM	

Discharge Reporting:

Discharge Amount:	1,200 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/WATER DISCHARGING FROM MANHOLE.
Repair:	LOCATION INCLUDED IN THE IOAP.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

3/25/18 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