



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

January 6, 2017

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for December 2017.**

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 2017.

Also attached is the fourth quarter biomonitoring report.

There were no overflows, exceedances or bypasses.

Due to a malfunction of our plant SCADA system we were unable to obtain an effluent flow reading on December 22, 2017. Personnel was staffed throughout the SCADA outage and repairs were made that day.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Staci Huber", is written over a large, light-colored, semi-circular watermark or background graphic.

Staci Huber
Process Supervisor

SH/ Hite Creek. 12/17.

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

Report Dates & Status			
Monitoring Period:	From 12/01/17 to 12/31/17	DMR Due Date:	01/28/18
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
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	9									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				=	7.6			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	=	187	=	312	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	=	4547	=	5295	26 - lb/d	=	157	=	193	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	=	40	=	78	26 - lb/d	=	1	=	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	=	663	=	708	26 - lb/d	=	23	=	27	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	=		=			=	0.6	=	0.9	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	=	3.643	=	6.885	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						=	23	=	162	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	=	136	=	198	26 - lb/d	=	5	=	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	=	5681	=	5797	26 - lb/d	=	197	=	215	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						=	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
122017_HC_MOR.pdf	pdf	63491
122017_HC_Coverletter.pdf	pdf	76156
Report Last Saved By		
Hite Creek WQTC MSD		
User:	staci.huber@louisvillemmsd.org	
Name:	Staci Huber	
E-Mail:	staci.huber@louisvillemmsd.org	
Date/Time:	2018-01-22 07:24 (Time Zone: -05:00)	
Report Last Signed By		
User:	staci.huber@louisvillemmsd.org	
Name:	Staci Huber	
E-Mail:	staci.huber@louisvillemmsd.org	
Date/Time:	2018-01-22 08:01 (Time Zone: -05:00)	

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 10/01/17 to 12/31/17	DMR Due Date:	01/28/18
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						=	0.044	=	0.044	19 - mg/L	0	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	0	01/90 - Quarterly	CP - COMPOS	
					Permit Req.														
					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.														
					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.														
					Value NODI														
71901	Mercury, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.00000189	<	0.00000189	19 - mg/L	0	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: staci.huber@louisvillemsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemsd.org
 Date/Time: 2018-01-22 07:24 (Time Zone: -05:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemsd.org
 Date/Time: 2018-01-22 08:03 (Time Zone: -05:00)

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 12/01/17 to 12/31/17				DMR Due Date:	01/28/18				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	01/30 - Monthly	CP - COMPOS
					Permit Req.											19 - mg/L	01/30 - Monthly	CP - COMPOS
					Value NODI													
00900	Hardness, total [as CaCO3]	1 - Effluent Gross	0	--	Sample					=	291			=	291	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.											19 - mg/L	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	01/30 - Monthly	CP - COMPOS
					Value NODI													
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample					=	0.25			=	0.25	19 - mg/L	01/30 - Monthly	CP - COMPOS
					Permit Req.											19 - mg/L	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:	staci.huber@louisvillemtd.org																	
Name:	Staci Huber																	
E-Mail:	staci.huber@louisvillemtd.org																	
Date/Time:	2018-01-22 07:24 (Time Zone: -05:00)																	
Report Last Signed By																		
User:	staci.huber@louisvillemtd.org																	
Name:	Staci Huber																	
E-Mail:	staci.huber@louisvillemtd.org																	
Date/Time:	2018-01-22 08:02 (Time Zone: -05:00)																	

