



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

April 17, 2019

Crystal Dennis
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for March 2019.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Hite Creek WQTC, for the month of March 2019.

There were no bypasses, overflows or 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. 03/19.

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:	001-1A SANITARY WASTEWATER
Facility:		Facility Location:	HITE CREEK WQTC MSD 5512 HITT LN LOUISVILLE, KY 40285

Report Dates & Status			
Monitoring Period:	From 03/01/19 to 03/31/19	DMR Due Date:	04/28/19
Status:	NetDMR Validated		

Considerations for Form Completion
Parameter 00610 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

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						=	9					19 - mg/L	03/07 - Three Per Week	GR - GRAB		
					Permit Req.					>=	7 INST MIN						19 - mg/L	0	03/07 - Three Per Week	GR - GRAB	
					Value NODI																
00400	pH	1 - Effluent Gross	0	--	Sample						=	7.1			=	7.5	12 - SU	03/07 - Three Per Week	GR - GRAB		
					Permit Req.					>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU	0	03/07 - Three Per Week	GR - GRAB		
					Value NODI																
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	291	=	372	26 - lb/d			=	7	=	8	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	1502 MO AVG	<=	2253 MX WK AV	26 - lb/d			<=	30 MO AVG	<=	45 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	24 - COMP24	
					Value NODI																
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	167	=	204	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.																
					Value NODI																
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	15	=	16	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.																
					Value NODI																
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample								=	27	=	31	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.																
					Value NODI																
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample								=	2	=	5	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.																
					Value NODI																
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample								=	0.7	=	0.9	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.																
					Value NODI																
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	2	--	Sample								=	4	=	5	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.																
					Value NODI																
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	4.692	=	5.453	03 - MGD								99/99 - Continuous	CN - CONTIN		
					Permit Req.																
					Value NODI																
51040	E. coli	1 - Effluent Gross	0	--	Sample								=	11	=	32	13 - #/100mL	03/07 - Three Per Week	GR - GRAB		
					Permit Req.																
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	152	=	190	26 - lb/d			=	4	=	4	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.	<=	501 MO AVG	<=	751 MX WK AV	26 - lb/d			<=	10 MO AVG	<=	15 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	24 - COMP24	
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample								=	149	=	200	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.																
					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.																
					Value NODI																
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample								=	96			23 - %	01/30 - Monthly	CA - CALCTD		
					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

Name	Type	Size
HC_032019_Coverletter.pdf	pdf	30839
HC_032019_MOR.pdf	pdf	75387

Report Last Saved By

Hite Creek WQTC MSD

User: WRIGHTDUANE
Name: Duane Wright
E-Mail: duane.wright@louisvillemsd.org
Date/Time: 2019-04-17 11:30 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2019-04-18 08:14 (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:	001-2A QUARTERLY BIOMONITORING																
Report Dates & Status																			
Monitoring Period:	From 01/01/19 to 03/31/19	DMR Due Date:	04/28/19	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			
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample										<	1	2G - tox chronic	01/90 - Quarterly	24 - COMP24
					Permit Req.										<=	1 MAXIMUM	2G - tox chronic	01/90 - Quarterly	24 - COMP24
					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:	2019-04-17 10:37 (Time Zone: -04:00)																		
Report Last Signed By																			
User:	staci.huber@louisvillemsd.org																		
Name:	Staci Huber																		
E-Mail:	staci.huber@louisvillemsd.org																		
Date/Time:	2019-04-18 08:14 (Time Zone: -04:00)																		

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: March 2019
 KPDES PERMIT NUMBER KY0022420 PLANT CAPACITY 4.4 MGD RECEIVING STREAM HITE CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLEABLE SOLIDS (mg/L)			DISSOLVED OXYGEN (mg/L)			SUSPENDED SOLIDS (mg/L)			5 DAY CBOD (mg/L)			ACTIVATED SLUDGE			AERATION BASIN						SLUDGE HANDLING				FINAL						
		GRIT REMOVED (CUBIC FEET)	SCREENINGS (CUBIC FEET)	RAW	FINAL	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	STREAM ABOVE	FINAL EFFLUENT	STREAM BELOW	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	RAW	PRIMARY EFFLUENT	FINAL EFFLUENT	MGD/DAY	MLSS (mg/L)	MLSS GAL WAST ED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L)	MLVSS (mg/L)	SETTLED SLUDGE VOLUME		RAW		HAULED		NH3-N (mg/L)	ECof	Phosphorus mg/L	Total Nitrogen				
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS					% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000		
1	5.955																3.202	14110	65900	5	4170	3190	300														
2	5.32																3.311	13870	65900	4.8	3970	3170	310								2.63						
3	4.224			7.3	7.5				9.4		134		7	155		3	3.33	14880	65900	5.1	3410	2730	280										1.2		0.625		
4	4.123			7.2	7.4				9.1		102		5	143		4	3.25	12990	65900	5.5	3210	2590	280									0.92	6			16.3	
5	4.019			7.3	7.3				9.0		312		6	184		3	3.53	13100	65900	5	3400	3010	280								0.62	1300					
6	3.863																3.61	12100	65900	4.7	3770	3190	250												1		
7	3.856																3.48	14010	65900	4.2	3910	3210	250														
8	3.893																3.53	12950	65900	3.7	3890	3190	280														
9	5.85																3.75	13100	65900	4.5	3210	2810	280														
10	6.837				7.4				8.7		144		8	77		3	3.62		65900	4.1			300										0.2		0.555		
11	5.474			7.3	7.3				9.0		168		7	129		5	3.39	12950	65900	4	3890	2990	300									0.2	1			12	
12	5.107			7.2	7.2				9.2		64		8	90		4	3.145	11210	65900	3.9	3170	2800	280									0.39	8				
13	4.829			7.3													2.842	10460	65900	3.9	3760	3100	290						1.26				1				
14	6.212																2.908	11140	65900	3.8	3490	2840	290														
15	6.774																2.899	10270	65900	4	3650	2960	290														
16	5.679																2.536	11420	65900	4.2	3470	2790	220														
17	4.643			7.1	7.3				9.2		204		6	159		3	3.515	12100	65900	4.3	3210	2600	210										0.43		0.912		
18	5.208			7.2	7.2				9.4		236		9	296		5	2.444	10950	65900	2.9	3790	2910	250									2.1	6				13.8
19	4.512			7.1	7.4				9.1		172		8	144		4	1.683	14780	65900	3	4190	3430	280								3	7					
20	4.205																1.992	13970	65900	4.1	3890	3210	280														
21	4.134																1.345	13540	65900	4	4510	3800	310														21
22	3.826																1.791	14120	65900	4.3	4370	3580	300														
23	3.816																1.826	13990	65900	4.4	2820	3250	350														
24	3.679			7.3	7.1				9.0		166		9	164		5	1.806	14000	65900	4.3	4450	2740	400											4.7		0.857	
25	4.305			7.3	7.2				9.2		152		8	122		4	1.702	13760	65900	4.5	4230	6420	380										4.3	14			16.1
26	3.962			7.4	7.2				9.1		133		8	123		4	1.774	13510	65900	4.4	3570	3070	310										4.9	2420			
27	3.837																1.902	12950	65900	3.9	3790	3210	320														
28	3.734																1.907	12200	65900	3.3	3950	3300	320							0.677				1			
29	2.938																1.954	13140	95900	3.1	3820	3170	310														
30	4.741																3.47	10990	65900	2.5	3080	2810	300														
31	5.825																3.45	11210	65900	3	3310	2990	300														
Tot.	145.4																84.89																				
Avg.	4.69			7.3	7.3				9.1		167		7	149		4	2.739	12792	66868	4.077	3712	3169	293.5								1.522			1.91	11	0.74	###

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

44664 FLOW 34242 CBOD 31150 TSS

Curtis E. Otto
OPERATOR

20265
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS _____
 SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502.540.6000
PLANT TELEPHONE