



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

July 16, 2019

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

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

Also attached is the 2nd quarter biomonitoring.

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. 06/19.

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 06/01/19 to 06/30/19	DMR Due Date:	07/28/19
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					=	8					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			=	7.3	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	=	259	=	325	26 - lb/d			=	6	=	6	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	03/07 - Three Per Week	24 - COMP24
					Value NODI														
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample							=	177	=	245	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.														
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	11	=	17	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.														
					Value NODI														
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample							=	29	=	47	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.														
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample							=	0.4	=	0.7	19 - mg/L	03/07 - Three Per Week	24 - COMP24	
					Permit Req.														
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample							=	0.8	=	1.3	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Permit Req.														
					Value NODI														
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	1	--	Sample							=	3.34	=	4.49	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Permit Req.														
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	5.13	=	5.93	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.														
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	1	=	2	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	=	227	=	382	26 - lb/d			=	5	=	6	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	03/07 - Three Per Week	24 - COMP24
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample							=	115	=	151	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							=	96			23 - %	01/30 - Monthly	CA - CALCTD	
					Permit Req.														
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample							=	97			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
HC062019_Coverletter.pdf	pdf	37893
HC062019_MOR.pdf	pdf	83418

Report Last Saved By

Hite Creek WQTC MSD

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
Name: William Ford
E-Mail: william.ford@louisvillemsd.org
Date/Time: 2019-07-17 08:21 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2019-07-17 08:24 (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 04/01/19 to 06/30/19					DMR Due Date:	07/28/19			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:	WILLIAM.FORD@LOUISVILLEMSD.ORG																			
Name:	William Ford																			
E-Mail:	william.ford@louisvillemSD.org																			
Date/Time:	2019-07-17 08:22 (Time Zone: -04:00)																			
Report Last Signed By																				
User:	staci.huber@louisvillemSD.org																			
Name:	Staci Huber																			
E-Mail:	staci.huber@louisvillemSD.org																			
Date/Time:	2019-07-17 08:25 (Time Zone: -04:00)																			

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

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		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	RETURN		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L)	MLVSS (mg/L)	SETTLED SLUDGE VOLUME		RAW			HAULED			NH3-N (mg/L)	E.Coli	Phosphorus mg/L	Total Nitrogen			
																		MG/DAY	MLSS (mg/L)					MLSS GAL	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS					WITHDRAWN GALLONS		
1	4.711																1.93	11100	65900	2.9	4290	3770	200															
2	3.845			7.0	7.1			8.5			148	4	94				8	1.811	10200	52000	2.9	3910	3490	200														
3	3.986			7.3	7.3			9.1			232	6	149				7	1.809	13370	65900	3	4160	3570	220											0.368			
4	3.787			7.0	7.2			9.0			356	6	211				4	1.905	12950	65900	3.3	4070	3410	220											16.7			
5	3.991																	1.959	12100	65900	3.5	3890	3110	220														
6	4.792																	1.864	11620	65900	2	4360	3660	240														
7	4.329																	1.893	13510	65900	4.7	4890	3940	280														
8	6.487			7.1														1.968	12100	65900	3.2	4900	3870	280														
9	7.049			7.2	7.1			8.7			128	8	66				8	1.924	11100	65900	3.4	4790	3610	250												0.902		
10	7.983			7.2	7.2			9.0			208	4	101				8	1.987	12210	50000	3.7	4210	3490	250												4.95		
11	5.752			7.2	7.1			8.8			180	5	146				3	3.47	9750	64900	4.7	3290	2710	200														
12	4.895																	4.023	13100	70000	4.1	3990	3410	250														
13	4.455																	3.941	11950	65900	4	4010	3590	250														
14	4.811																	2.33	12420	65900	3.9	3870	3210	240														
15	4.146																	2.015	11810	65900	3.3	3710	3190	250														
16	4.549			7.2	7.1			8.5				6	122			3	1.914	10130	65900	3.5	3840	3420	250															
17	8.129			7.2	7.2			8.4			166	4	90			2	3.46	12140	65900	3.1	3670	3080	240														9.79	
18	7.351			7.1	7.2			8.8			88	5	72			2	3.624	9760	65900	3.7	4620	3650	340															
19	6.963																	3.579	11780	65900	3.4	4140	3210	300				1.45										
20	5.561																	3.511	11470	65900	3.6	4240	3450	320														
21	4.807																	3.446	12310	65900	3.6	4090	3390	310														
22	5.208																	3.365	11940	65900	3.8	4170	3510	310														
23	4.502			7.2	7.2			8.1			130	5	86			8	3.387	10760	65900	4.1	4310	3440	330															
24	5.934			7.0	7.0			8.8			69	7	101			3	3.375	11210	65900	3.9	4510	3590	300															
25	5.614			7.1	7.1			8.5			272	6	146			3	3.643	12100	65900	3.7	4390	3790	300															
26	4.746																	3.744	12750	65900	3.8	4240	3560	310														
27	4.171																	3.664	13100	65900	3.2	4010	3390	300														
28	4.03																	3.661	12910	65900	3.3	3990	3310	300														
29	3.441																	3.53	13100	65900	3.5	4190	3510	330														
30	3.906																	3.465	10950	65900	3.7	3900	3470	300														
31																																						
Tot.	153.9																	86.2																				
Avg.	5.13			7.1	7.2			8.7			180	6	115			5	2.873	11857	65010	3.55	4155	3460	269.7					1.37										

RESIDENTIAL COMMERCIAL INDUSTRIAL	48860 29028 FLOW	INDUSTRIAL WASTE POPULATION EQUIVALENT 29028 CBOD	36619 TSS	Curtis E. Otto OPERATOR	20265 CERT. NO.
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TOTAL NUMBER OF SEWER CONNECTIONS 0
 SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502.540.6000
 PLANT TELEPHONE