



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

September 19, 2018

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

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

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 August 2018.

There were no overflows, bypasses 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. 08/18.

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

Report Dates & Status			
Monitoring Period:	From 08/01/18 to 08/31/18	DMR Due Date:	09/28/18
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						=	7					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						=	7.2			=	7.9	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	=	311	=	693	26 - lb/d		=	6	=	11	19 - mg/L	03/07 - Three Per Week	24 - COMP24		
					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						=	243	=	423	19 - mg/L	03/07 - Three Per Week	24 - COMP24			
					Permit Req.												0	03/07 - Three Per Week	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	14	=	21	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample						=	34	=	40	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample						=	0.5	=	1	19 - mg/L	03/07 - Three Per Week	24 - COMP24			
					Permit Req.						<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L	0	03/07 - Three Per Week	24 - COMP24		
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample						=	0.6	=	0.7	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Permit Req.						<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24		
					Value NODI															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	1	--	Sample						=	3.97	=	4.88	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.729	=	5.013	03 - MGD							99/99 - Continuous	RC - Recorder (auto)		
					Permit Req.												0	99/99 - Continuous	RC - Recorder (auto)	
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	4	=	11	13 - #/100mL	03/07 - Three Per Week	GR - GRAB			
					Permit Req.												0	03/07 - Three Per Week	GR - GRAB	
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	250	=	508	26 - lb/d		=	5	=	8	19 - mg/L	03/07 - Three Per Week	24 - COMP24		
					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						=	215	=	239	19 - mg/L	03/07 - Three Per Week	24 - COMP24			
					Permit Req.												0	03/07 - Three Per Week	24 - COMP24	
					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.												0	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.												0	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
HC_Coverletter_082018.pdf	pdf	35260
HC_MOR_082018.pdf	pdf	80356

Report Last Saved By

Hite Creek WQTC MSD

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2018-09-19 12:45 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2018-09-19 13:52 (Time Zone: -04:00)

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		pH		SETTLABLE 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	MIG/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)	E Coli	Phosphorus mg/L	Hardness as CaCO3	Chromium, Hexavalent	Cyanide, Free (Amenable)	Total Nitrogen							
																								30 MIN.	60 MIN.	GALLONS X 1,000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS								% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1,000					
1	4.103			7.5	7.5												8	1.679	12890	65900	4.9	3680	2880	200								0.2		0.674									
2	3.747			7.3	7.6												5	1.844	11190	65900	4.2	3450	2840	200									0.2	1									
3	3.438																																										
4	3.175																																										
5	2.98			7.3	7.3												7	1.811	9900	72270	2.4	3140	2600	190										0.2						19.9			
6	3.165																8	1.824	12100	65700	4.7	3020	2580	200																			
7	3.301																																										
8	3.477			7.2	7.2												4	1.826	6810	65700	4.4	2530	2150	180																			
9	3.225			7.3	7.4												4	1.798	8970	65900	4.7	4480	3570	220																			
10	3.307																4	1.798	8970	65900	4.7	4480	3570	220																			
11	2.936																																										
12	2.986			7.5	7.2												5	1.74	9600	65900	3.3	4100	3220	210																			
13	2.867																																										
14	3.048																																										
15	3.185			7.3	7.2												8	1.785	10630	65900	3.5	3340	2680	210																			
16	8.501			7.1	7.2												12	2.268	12470	65900	3.7	2970	2370	190																			
17	6.056																																										
18	4.726																																										
19	3.857			7.5	7.9												3	3.309	10230	65800	4.7	3580	2950	200																			
20	4.324																																										
21	4.443																																										
22	3.921			7.3	7.6												2	3.365	11040	65900	4.6	3970	3170	220																			
23	4.085			7.4	7.4												2	2.24	10870	65900	4.4	4040	3230	220																			
24	3.699																																										
25	3.413																																										
26	3.188			7.4	7.5												3	1.421	10900	65900	4	3910	3490	250																			
27	3.44																																										
28	3.221																																										
29	3.129																																										
30	3.092																																										
31	3.542																																										
Tot	115.6																																										
Avg.	3.729			7.3	7.4												5	2.101	10780	66505	4.145	3695	3018	210.3																			

RESIDENTIAL COMMERCIAL INDUSTRIAL	INDUSTRIAL WASTE POPULATION EQUIVALENT 35514 FLOW	39316 CBOD	35974 TSS	Curtis E. Otto OPERATOR	20265 CERT. NO.
TOTAL NUMBER OF SEWER CONNECTIONS	0			502.540.6004	
SEWER CONNECTIONS	0	X	4	=	0
	SEWERED POPULATION			PLANT TELEPHONE	