



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

November 26, 2018

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

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

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. 10/18.

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

Report Dates & Status			
Monitoring Period:	From 10/01/18 to 10/31/18	DMR Due Date:	11/28/18
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						=	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						=	7.4			=	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	=	174	=	264	26 - lb/d		=	6	=	9	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						=	219	=	297	19 - mg/L	03/07 - Three Per Week	CP - COMPOS			
					Permit Req.												19 - mg/L	03/07 - Three Per Week	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	11.9	=	23	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample						=	30.2	=	36	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample						=	0.2	=	0.3	19 - mg/L	03/07 - Three Per Week	CP - COMPOS			
					Permit Req.						<=	2 MO AVG	<=	3 MX WK AV	19 - mg/L	03/07 - Three Per Week	24 - COMP24			
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample						=	0.3	=	0.4	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.						<=	1 MO AVG	<=	1.5 MX WK AV	19 - mg/L	01/07 - Weekly	24 - COMP24			
					Value NODI															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	1	--	Sample						=	3.78	=	4.85	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.472	=	3.72	03 - MGD							99/99 - Continuous	RC - Recorder (auto)		
					Permit Req.														99/99 - Continuous	RC - Recorder (auto)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	3.09	=	18	13 - #/100mL	03/07 - Three Per Week	GR - GRAB			
					Permit Req.						<=	130 30DA GEO	<=	240 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	=	123	=	167	26 - lb/d		=	4	=	5	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						=	201	=	237	19 - mg/L	03/07 - Three Per Week	CP - COMPOS			
					Permit Req.												19 - mg/L	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.						>=	85 MO AV MN			23 - %	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.						>=	85 MO AV MN			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
HC_MOR_1018.pdf	pdf	74000
HC_Coverletter_1018.pdf	pdf	27572

Report Last Saved By

Hite Creek WQTC MSD

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2018-11-26 09:22 (Time Zone: -05:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2018-11-26 09:22 (Time Zone: -05:00)

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	MG/D/DAY	MLSS (mg/L)	MLSS GAL	MAST ED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L)	MLVSS (mg/L)	SETTLED SLUDGE VOLUME		RAW		HAULED		NH ₃ -N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Phosphorus mg/L	E. Coli	Total Nitrogen					
																									30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS						% VOLATILE SOLIDS WITHDRAWN GALLONS X 1000				
1	4.198			7.4	7.5				8.0		214		4	157		4	3.26	13870	65900		3.3	3560	2840	200									0.24		0.3		1.7			
2	4.054			7.5	7.7				8.1		124		4	153		6	3.438	13400	65900		3.7	3210	2720	200									0.2			2				
3	3.773			7.4	7.5				8.7		190		4	166		5	3.433	8670	65900		5.1	4060	3410	210									0.2			2				
4	3.758																3.303	10470	65900		3.6	3830	3140	200												2				
5	3.58																3.393	8860	72200		3.1	3680	2910	200																
6	3.276																3.287	5200	72200		2.2	3260	2670	210																
7	3.398																3.22	7060	72200		2.3	3320	2710	220																
8	3.595			7.3	7.4				9.0		133		3	172		7	3.103	6440	72200		2.5	3570	2850	220									0.2		0.3		2.5			
9	3.594			7.4	7.5				9.0		192		3	192		2	3.329	9710	72200		2.4	4080	3270	240										0.2			1			
10	3.548			7.2	7.6				8.7		66		5	171		3	3.053	10120	72200		2.5	3680	2980	220										0.2			1			
11	3.374																3.001	11880	72200		2.6	4330	3410	220												1				
12	3.235																2.567	11250	72200		2.8	4130	3190	220																
13	3.445																5.735	9990	72200		3	4280	3340	220																
14	3.104																2.956	10670	72200		3.1	4160	3210	220																
15	3.631			7.5	7.8				8.9		436		8	233		3	2.882	9860	72200		2.9	4170	3200	230										0.2		0.382		20.6		
16	3.327			7.9	7.6				8.8		308		13	363		6	2.791	10960	72200		3.3	4210	3390	220										0.2			4			
17	3.213			7.8	7.7				8.9		148		7	115		3	2.838	10060	72200		3.1	3680	2870	200										0.2			4			
18	3.098																2.88	9970	72200		3.4	3560	2810	200												1				
19	3.105																2.81	9750	72200		3	3790	2990	210																
20	3.19																2.66	10100	72200		3.9	3660	2880	200																
21	3.023																2.22	9730	72200		3.9	3910	3110	220																
22	3.034			7.3	7.5				8.6		95		8	195		6	2.76	11420	65900		3.7	3640	2900	210										0.2		0.315		22.8		
23	2.897			7.4	7.8				8.7		507		10	280		3	3.1	10570	65900		3.1	3880	3040	210																
24	3.575			7.2	7.6				9.0		214		4	219		2	2.14	11900	65900		3.3	3910	3170	210										1.58		0.25		115		
25	3.032																1.697	11850	65900		3.7	2930	2400	200										2.01		0.32		1		
26	3.032																1.664	10420	69500		3.5	3240	2590	210										2.09			51			
27	7.037																1.84	9570	65900		3.1	3650	2870	220																
28	3.276																1.608	11170	65900		4	3970	3400	200																
29	3.18																1.68	10490	65900		3.8	3760	3010	210																
30	2.338																2.342	9770	65900		3.5	3410	3190	220																
31	3.714																3.3	11560	65900		4	3640	2910	210																
Tot.	107.6																88.29																							
Avg.	3.472			7.4	7.6				8.7		219		6	201		4	2.848	10217	69471		3.271	3746	3012	212.3										1.893		0.22		0.32	###	11.90

RESIDENTIAL COMMERCIAL INDUSTRIAL INDUSTRIAL WASTE POPULATION EQUIVALENT
 33067 34294 30187
 FLOW CBOD TSS
 Curtis E. Otto 20265
 OPERATOR CERT. NO.

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

502.540.6004
 PLANT TELEPHONE