



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

August 16, 2018

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for July 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 July 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. 07/18.

Cc: V. Teague
R. Shaw

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:	001-1A SANITARY WASTEWATER		

Report Dates & Status					
Monitoring Period:	From 07/01/18 to 07/31/18	DMR Due Date:	08/28/18	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	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	
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	8					19 - mg/L	13/30 - 13 Per Month	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	13/30 - 13 Per Month	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	=	315	=	425	26 - lb/d		=	9	=	12	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						=	216	=	242	19 - mg/L	03/07 - Three Per Week	CP - COMPOS			
					Permit Req.												0	03/07 - Three Per Week	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	15	=	23	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample						=	35	=	42	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample						=	0.3	=	0.4	19 - mg/L	03/07 - Three Per Week	CP - COMPOS			
					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	CP - COMPOS			
					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						=	4.8	=	5.7	19 - mg/L	01/07 - Weekly	CP - COMPOS			
					Permit Req.												0	01/07 - Weekly	24 - COMP24	
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.364	=	4.094	03 - MGD							03/07 - Three Per Week	CN - CONTIN		
					Permit Req.													0	99/99 - Continuous	RC - Recorder (auto)
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	4	=	7	13 - #/100mL	03/07 - Three Per Week	GR - GRAB			
					Permit Req.						<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	0	03/07 - Three Per Week	GR - GRAB		
					Value NODI															
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	286	=	407	26 - lb/d		=	8	=	12	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						=	254	=	267	19 - mg/L	03/07 - Three Per Week	CP - COMPOS			
					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						=	97				23 - %	03/07 - Three Per Week	CA - CALCTD		
					Permit Req.						>=	85 MO AV MN				23 - %	0	01/30 - Monthly	CA - CALCTD	
					Value NODI															
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	96				23 - %	03/07 - Three Per Week	CA - CALCTD		
					Permit Req.						>=	85 MO AV MN				23 - %	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_072018.pdf	pdf	31259
HC_MOR_072018.pdf	pdf	77890

Report Last Saved By

Hite Creek WQTC MSD

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2018-08-22 13:07 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2018-08-22 13:08 (Time Zone: -04:00)

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	MG/D/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 Coil	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	4.668			7.2	7.1				8.0		209		8	234		10	1.326	16010	65900	3.3	4010	3100	250										0.2								
2	4.273			7.3	7.5				8.1		91		6	205		6	1.35	15410	65900	3.1	3750	2930	200																		
3	4.201			7.4	7.4				7.9								1.399	14360	65900	3.2	3810	2970	200											0.66	1		17.25				
4	4.089								8.1							8	1.469	13580	65900	3.3	4030	3120	200					4.39						8							
5	3.732																1.375	12650	65900	6.4	4120	3250	200											0.43			0.722				
6	3.683																1.53	10250	65900	6.1	3560	2810	200												1						
7	3.585																1.4	11460	65900	4.3	3790	2990	200																		
8	3.695			7.7	7.5				8.4		184		15	188		12	1.43	13990	65900	4.5	2280	1750	200												0.62						
9	3.756			7.4	7.4				8.2		416		11	345		6	1.316	10960	65900	4.4	3470	2770	200												0.31	1		22.73			
10	4.017			7.3	7.3				8.2		127		8	223		5	1.41	12100	65900	4.7	3770	2910	200												0.2	14		0.624			
11	3.8																1.559	13840	65900	4.6	3440	2750	200																		
12	3.637																1.498	12910	65900	4.7	3590	2810	200												9						
13	3.786																1.36	13100	65900	5	3210	2700	200																		
14	4.009			7.7													1.5	9280	65900	5	3940	3050	210																		
15	3.725			7.6	7.3				8.1		118		7	212		20	1.5	6660	65900	6.9	4480	3570	210													0.28					
16	4.93			7.3	7.4				8.8		272		7	309		7	1.51	12190	65900	4.2	3910	2990	200																		
17	4.655			7.2	7.2				8.5		198		7	280		8	1.44	13240	65900	4	3650	2890	200													0.2	8		17.5		
18	4.237																1.43	12200	65900	4.7	3410	2710	200													0.27	2		0.59		
19	4.174																1.26	11910	65900	4.6	3560	2810	210												1						
20	4.918																1.25	10810	65900	5.1	3790	2990	200																		
21	5.918																1.24	12130	65900	5	4100	3210	200																		
22	4.932			7.4	7.3				8.9		210		5	189		7	1.28	9990	65900	5.3	3870	2990	210													0.2					
23	4.989			7.3	7.3				8.2		142		5	214		4	1.5	13290	65900	5.2	3320	2620	190																		
24	4.662			7.3	7.3				8.4		251		6	337		4	1.44	12490	65900	5	3550	2800	190														0.2	10		2.6	
25	4.367																1.6	12780	65900	4.7	3160	2500	190														0.2	2		0.488	
26	4.326																1.5	11950	65900	4.7	3210	2710	200														14				
27	4.211																1.57	11770	65900	5.1	3320	2680	200																		
28	4.183																1.7	12910	65900	4.8	3910	2990	200																		
29	3.592																1.53	10040	65900	5	4280	3200	200																		
30	4.089																1.65	13200	65900	4.4	3510	2790	200																		
31																																									
Tot.	126.8																43.32																								
Avg.	4.228			7.4	7.3				8.3		216		9	254		8	1.444	12249	65900	4.71	3660	2879	202												2.473			0.31	4	0.61	15.0200

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

40267 FLOW 52685 CBOD 36241 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