



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

November 26, 2019

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for October 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 October 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. 10/19.

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 10/01/19 to 10/31/19	DMR Due Date:	11/28/19
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					=	7.2			=	7.6	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	=	304	=	462	26 - lb/d		=	10	=	14	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						=	251	=	300	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.												03/07 - Three Per Week	24 - COMP24	
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample						=	21	=	24	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.												01/07 - Weekly	24 - COMP24	
					Value NODI														
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample						=	36	=	44	19 - mg/L	01/07 - Weekly	CP - COMPOS		
					Permit Req.												01/07 - Weekly	24 - COMP24	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample						=	0.3	=	0.3	19 - mg/L	03/07 - Three Per Week	24 - COMP24		
					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						=	0.5	=	0.9	19 - mg/L	01/07 - Weekly	24 - COMP24		
					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						=	4.3	=	5.07	19 - mg/L	01/07 - Weekly	24 - COMP24		
					Permit Req.												01/07 - Weekly	24 - COMP24	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	3.419	=	3.487	03 - MGD							99/99 - Continuous	CN - CONTIN	
					Permit Req.													99/99 - Continuous	RC - Recorder (auto)
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	3	=	6	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	=	174	=	323	26 - lb/d		=	6	=	10	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						=	194	=	209	19 - mg/L	03/07 - Three Per Week	CP - COMPOS		
					Permit Req.													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 - %	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						=	96			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_Coverletter_102019.pdf	pdf	37751
HC_MOR_102019.pdf	pdf	77181

Report Last Saved By

Hite Creek WQTC MSD

User: WILLIAM.FORD@LOUISVILLEMSD.ORG
Name: William Ford
E-Mail: william.ford@louisvillemsd.org
Date/Time: 2019-11-26 09:48 (Time Zone: -05:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2019-11-26 10:17 (Time Zone: -05:00)

DATE	TOTAL EFF 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	MGD/DAY	MLSS (mg/L)	MLSS GAL WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L)	MLYSS (mg/L)	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000	NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Phosphorus mg/L	Total Nitrogen			
1	2.672			7.3	7.4				8.1		128	4	194		4	1.967	10030	65900	4.2	4840	3730	220																
2	2.713			7.5	7.6				8.3		377	4	236		3	1.979	11450	65900	4.4	4270	3340	220										50400	0.38		0.326	23.7		
3	2.708			7.4	7.4				8.0		394	4	184		4	1.939	11790	65900	4.2	4130	3220	220										37800	0.2	9				
4	2.555															1.953	10570	65900	4	4460	3430	220										18900	0.35	1				
5	2.69															1.869	12410	65900	4.1	3990	3070	210											75600		1			
6	2.653															1.88	12850	65900	4.2	4190	3560	190											44100					
7	3.828															1.905	12140	65900	4.7	3770	2870	220																
8	3.828			7.3	7.5				8.5		122	10	131		5	1.955	11830	65900	4.5	3910	3050	220																
9	5.974			7.4	7.4				8.3		497	10	228		3	2.012	11260	65900	4.7	4020	3170	230											75600	0.42		0.309	15.5	
10	2.832			7.3	7.4				8.0		180	8	228		6	1.968	9680	65900	4.3	3800	2980	210												75600	0.2	1		
11	2.907															2.00	9540	0	4.8	3790	2970	210																
12	3.25															1.962	9950	55900	4.7	4370	3400	230																
13	2.704															1.93	10420	55900	4.9	3820	3020	220																
14	2.912															1.91	12110	35000	4.1	4010	3410	220																
15	2.912			7.2	7.2				9.0		192	15	227		9	1.969	9750	35000	3.9	3700	3190	220																
16	6.362			7.4	7.3				8.8		236	11	234		10	1.931	12450	35000	4.4	4420	3190	210																
17	3.03			7.3	7.4				8.7		236	16	167		10	1.92	12980	55900	4.6	4190	3270	210																
18	2.89															1.95	11970	45000	4.5	4080	3390	210																
19	3.07															1.86	12100	65900	3.9	3990	3310	220																
20	2.64															1.852	10750	65900	4	4310	3490	220																
21	2.87															1.868	8210	65900	4.3	4450	3470	220																
22	2.89			7.4	7.3				8.2		207	12	178		3	1.965	9430	65900	4	4270	3370	220																
23	2.79			7.2	7.4				8.3		356	12	192		6	1.906	9520	65900	4.3	4310	3460	220																
24	2.88			7.3	7.3				8.0		90	11	125		3	1.982	10140	65900	3.9	4190	3260	220																
25	2.58															1.912	9870	65900	4.1	4270	3390	220																
26	4.65															1.892	10100	60000	4.2	4360	3400	220																
27	4.29															1.83	10600	65000	4.1	4640	3910	220																
28	3.66															1.854	11210	65900	4.4	3990	3370	220																
29	3.33															1.93	10410	65900	4.6	4120	3170	230																
30	4.322															1.927	11210	65900	3.9	3990	3010	230																
31	6.28																																					
Tot.	105.7															57.77																						
Avg.	3.409			7.3	7.4				8.4		251	10	194		6	1.926	10891	58690	4.297	4155	3296	218.3																

RESIDENTIAL COMMERCIAL INDUSTRIAL INDUSTRIAL WASTE POPULATION EQUIVALENT
 FLOW 32465 CBOD 32387 TSS 34013
 OPERATOR Curtis E. Otto CERT. NO. 20265

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

PLANT TELEPHONE 502.540.6000