



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

September 16, 2019

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

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

There were no bypasses or exceedances.

Attached is overflow report.

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. 08/19.

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 08/01/19 to 08/31/19	DMR Due Date:	09/28/19
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	=	114	=	183	26 - lb/d		=	4	=	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						=	251	=	326	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						=	18	=	21	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						=	43	=	49	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						=	0.2	=	0.2	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						=	0.3	=	0.4	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						=	4.95	=	5.72	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	=	3.147	=	3.656	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	=	10	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	=	126	=	188	26 - lb/d		=	5	=	7	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						=	186	=	232	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.															01/30 - Monthly	CA - CALCTD
					Value NODI																
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	98				23 - %	01/30 - Monthly	CA - CALCTD			
					Permit Req.															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
082019_HC_Coverletter.pdf	pdf	30470
HiteCreek.pdf	pdf	94076
082019_HC_MOR.pdf	pdf	75746

Report Last Saved By

Hite Creek WQTC MSD

User: kevin.thompson@louisvillemd.org
Name: Kevin Thompson
E-Mail: kevin.thompson@louisvillemd.org
Date/Time: 2019-09-19 13:08 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemd.org
Date/Time: 2019-09-19 13:14 (Time Zone: -04:00)

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

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	MG/DAY	MLSS (mg/L)	MLSS GAL	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	
																								50 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS					% VOLATILE SOLIDS
1	3.294			7.0	7.2						243	5	200		3	1.724	13020	65900	3.7	5000	4040	220							69300	0.27		0.316		
2	3.033															1.7	13170	65900	3.4	4760	3900	220								75600		1		
3	2.986															1.66	13010	65900	3.1	4660	3820	220								50400				
4	2.638			7.1	7.1			8.9		122		4	81		4	1.636	14210	65900	3.4	4470	3740	220							0	0.21				
5	2.909			7.2	7.1			9.0		180		3	186		4	1.608	13100	65900	3.1	5010	4190	220							75600	0.2	5		20.5	
6	2.939															1.694	11100	65900	3.5	4290	3870	200							75600		1			
7	2.956															1.672	11460	65900	3.2	4770	3910	210							75600					
8	3.006			7.2	7.2			8.5		154		4	187		7	1.754	11340	65900	3.1	4810	3900	220							81900	0.2		0.3		
9	3.035															1.785	6820	65900	3.3	4440	3640	210					2.67		18900		4			
10	3.072															1.872	12840	65900	3.6	3870	3150	225							50400					
11	2.465			7.4	7.2			8.3		250		3	172		5	1.755	11150	65900	3.6	3570	2870	210						0	0.2					
12	2.869			7.3	7.2			8.7		174		4	182		3	1.806	6960	30000	2.9	3900	3010	250							75600	0.2	1		19.8	
13	3.367			7.1												1.96	11200	65900	3.1	4150	3280	280							69300		2			
14	3.079															1.92	10950	30000	3.5	4010	3400	250							69300					
15	2.971			7.2	7.3			8.2		352		4	177		5	1.75	9950	45000	3.3	4280	3450	270							75600	0.2		0.404		
16	2.84															1.96	10950	65900	3.7	4010	3390	250							75600		4			
17	2.998															1.838	10590	65900	5.7	4810	3830	290							25200					
18	2.643			7.3	7.2			8.4		206		3	170		4	1.8	9740	65900	5.5	4970	4020	300						0	0.2					
19	2.891			7.1	7.0			8.6		356		4	348		5	1.94	10970	65900	4.2	4110	3700	300							75600	0.2	1		18.1	
20	2.941															1.96	9110	65900	4	4290	3590	300					1.34		75600		1			
21	2.89															2.01	11110	65900	4	3970	3310	280							69300					
22	3.817			7.3	7.2			8.3		264		6	146		5	1.98	11760	65900	4.1	3850	3110	280							75600	0.2		0.3		
23	3.272															1.97	11210	65900	3.9	4010	3690	280							75600		2			
24	3.194															2.03	12110	30000	4.9	4080	3750	290							25200					
25	2.787			7.2	7.3			8.9		480		7	229		9	1.92	10990	65900	4.2	3910	3600	300						0	0.21					
26	3.902			7.0	7.2			9.2		233		6	149		6	1.91	12100	65900	4	4010	3780	250							81900	0.2	7		14.9	
27	4.508															2.04	10950	65900	3.9	3890	3010	280				1.85			69300		67			
28	4.114															2.06	11210	65900	4.3	4000	3610	270							75600					
29	3.571															2.02	12420	65900	4.6	3940	3190	280							75600					
30	3.39															1.99	10670	65900	4.7	4560	3740	280							31500					
31	3.089															1.98	11200	65900	5.1	4610	3820	280							31500					
Tot.	97.56															57.7														31500				
Avg.	3.147			7.2	7.2			8.6		251		4	186		5	1.861	11205	61752	3.89	4291	3590	256				1.953		55684	0.21	3	0.33	#####		

RESIDENTIAL FLOW _____ INDUSTRIAL WASTE POPULATION EQUIVALENT _____
 COMMERCIAL FLOW _____ 29971 _____ 28652 _____ 31391 _____
 INDUSTRIAL FLOW _____ CBOD _____ TSS _____
 CURTIS E. OTTO OPERATOR _____ CERT. NO. _____

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

502.540.6000
 PLANT TELEPHONE _____



Report Selections: Period: 08/01/2019 00:00 thru 08/31/2019 23:59, treatment Plant: MSD0202 HITE CREEK, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV, DISSUS

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0022420	MSD0202	HITE CREEK	HITE CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	30521	10701 NORTHINGTON LN		HITE CREEK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISSUS: SUSPECTED OVERFLOW EVID. FOUND	3147227		08/27/2019	DAVIS BROWN	MITCHELL	SUSPECTED	03/28/2018	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHARGE-WATER S	08/27/19 11:25 AM	MAIN

Discharge Reporting:

Discharge Amount:	1 GAL
Cause:	UPS FAILURE, BREAKER TRIPPED.
Clean Up:	REPORTED IN WO#3147232.
Control Zone:	TEMPORARY DISCHARGE SIGNS PLACED AROUND IMPACTED AREA.
Impact:	LIGHT DEBRIS AROUND MANHOLE.
Repair:	LOCATION INCLUDED IN IOAP.
Public Notification:	PUBLIC NOTIFIED BY TEMPORARY SIGNS PLACED AROUND IMPACTED AREA. VERY LIMITED ACCESS TO DISCHARGE SITE.

Total Facilities Printed: 1

Total Work Orders Printed: 1