



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

February 12, 2019

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for January 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 January 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,

A handwritten signature in black ink, appearing to read "Staci Huber". The signature is fluid and cursive.

Staci Huber
Process Supervisor

SH/ Hite Creek. 01/19.

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 01/01/19 to 01/31/19	DMR Due Date:	02/28/19
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			=	7.8	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	=	415	=	544	26 - lb/d			=	10	=	13	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							=	149	=	215	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.														
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample							=	16	=	21	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.														
					Value NODI														
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample							=	28	=	39	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.														
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample							=	0.3	=	0.4	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.														
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample							=	0.6	=	0.9	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.														
					Value NODI														
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	2	--	Sample							=	3.3	=	5.4	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.														
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	5.308	=	6.214	03 - MGD							03/07 - Three Per Week	CN - CONTIN	
					Permit Req.														
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample							=	15	=	23	13 - #/100mL	03/07 - Three Per Week	GR - GRAB	
					Permit Req.														
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	248	=	301	26 - lb/d			=	6	=	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							=	154	=	191	19 - mg/L	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.														
					Value NODI														
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample							=	96			23 - %	03/07 - Three Per Week	CA - CALCTD	
					Permit Req.														
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample							=	93			23 - %	03/07 - Three Per Week	CA - CALCTD	
					Permit Req.														
					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_012019.pdf	pdf	75547
HC-Coverletter_012019.pdf	pdf	47355

Report Last Saved By

Hite Creek WQTC MSD

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2019-02-13 14:27 (Time Zone: -05:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
Name: Staci Huber
E-Mail: staci.huber@louisvillemsd.org
Date/Time: 2019-02-15 13:37 (Time Zone: -05:00)

NAME OF TREATMENT PLANT: HITE CREEK WTP
 KPDES PERMIT NUMBER: KY0222220
 COUNTY: JEFFERSON
 PLANT CAPACITY: 4.4 MGD
 MONTH OF RECEIVING STREAM: January 2019
 HITE CREEK

DATE	TOTAL FLOW (MILLION GALLONS)		SEWAGE		pH		SETTLABLE SOLIDS (mg/L)		DISSOLVED OXYGEN (mg/L)		SUSPENDED SOLIDS (mg/L)		5 DAY BOD (mg/L)		ACTIVATED SLUDGE			AERATION BASIN			SLUDGE HANDLING				FINAL					
	RAW	FINAL	RAW	FINAL	RAW	FINAL	RAW	FINAL	RAW	FINAL	RAW	FINAL	RAW	FINAL	MGD/DAY	RETURN MLSS (mg/L)	WAST MLSS (mg/L)	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L)	MLVSS (mg/L)	30 MIN. SETTLED SLUDGE VOLUME	60 MIN. SETTLED SLUDGE VOLUME	RAW	HAULED	WITHDRAWN	NH3-N (mg/L)	E.Coli	Phosphorus mg/L	Total Nitrogen	
1	6.985				7.3	7.3			8.8		118		131	6	3.441	9.110	6.9900	4.7	37.10	3000	220						0.2		0.3	9.05
2	6.18				7.2	7.2			8.6		92		106	7	3.686	13.940	6.9900	4.6	45.40	3850	300						0.48	111		
3	5.535				7.4	7.4			8.8		46		103	3	3.759	12.860	6.9900	4	41.90	3550	300						0.41	48		
4	6.158																													
5	7.201																													
6	5.618																													
7	5.409																													
8	4.894				7.5	7.5			8.3		120		170	5	3.738	11.410	6.9900	3	37.60	3120	250						0.21		0.363	17.5
9	4.448				7.4	7.4			8.3		164		207	6	3.741	12.100	6.9900	3.7	36.70	3090	230						0.2	13		
10	4.156				7.2	7.2			8.1		192		140	7	3.882	12.290	6.9900	4.4	32.10	2990	230						0.33	130		
11	4.011																													
12	4.305																													
13	4.409																													
14	4.331																													
15	4.05				7.3	7.3			8.9		292		219	8	3.806	10.100	6.9900	5	35.10	2970	230						0.27		0.829	20.5
16	3.99				7.4	7.4			8.8		170		187	6	3.704	11.450	6.9900	5.3	34.20	2800	230						0.28	1550		
17	4.061				7.6	7.6			8.9		184		168	7	3.73	11.960	6.9900	5.5	33.40	2740	230						0.2	1		
18	3.964																													
19	6.009																													
20	6.749																													
21	5.204																													
22	5.165				7.4	7.4			8.3		150		162	5	3.135	13.960	6.9900	4.4	40.50	3800	250						0.2		0.863	15.8
23	7.502				7.8	7.8			9.8		116		81	6	3.589	12.780	6.9900	4.5	37.80	3160	250						0.2	6		
24	7.923				7.3	7.3			9.1		140		172	6	3.489	12.210	6.9900	4.7	36.10	3090	250						0.44	25		
25	6.249																													
26	5.819																													
27	5.487																													
28	5.373																													
29	4.755																													
30	4.379																													
31	4.245																													
Tot.	184.5																													
Avg.	5.308				7.4	7.4			8.7		149		154	6	3.564	11.843	6.9900	4.471	37.66	3180	241.9						0.29	15	0.59	15.7125

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

RESIDENTIAL COMMERCIAL INDUSTRIAL FLOW: 10 154

INDUSTRIAL WASTE POPULATION EQUIVALENT: 6 3.564 11843 69300 4.471 3766 3180 241.9

CBOD: 40058 TSS: 31303

OPERATOR: CURTIS E. OILLO

PLANT TELEPHONE: 502.540.8000

CERT. NO.: 20265