



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

January 15, 2020

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for December 2020.**

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 December 2020.

Also, attached is 4th quarter biomonitoring.

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. 12/20.

Cc: V. Teague
R. Shaw

DMR Copy of Record

Permit

Permit #:

KY0022420

Major:

Yes

Permittee:

Hite Creek WQTC MSD

Permittee Address:

700 W Liberty St
Louisville, KY 40203

Facility:

HITE CREEK WQTC MSD

Facility Location:

5512 HITT LN
LOUISVILLE, KY 40285

Permitted Feature:

001
External Outfall

Discharge:

001-2A
QUARTERLY BIOMONITORING

Report Dates & Status

Monitoring Period:

From 10/01/20 to 12/31/20

DMR Due Date:

01/28/21

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

James A

Last Name:

Parrott

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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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_1220.pdf	pdf	34349.0

Report Last Saved By

Hite Creek WQTC MSD

User:

JOSEPH.SMITH@LOUISVILLEMSD.ORG

Name:

Joseph Smith

E-Mail:

joseph.smith@louisvillemSD.org

Date/Time:

2021-01-25 08:59 (Time Zone: -05:00)

Report Last Signed By

User:

JOSEPH.SMITH@LOUISVILLEMSD.ORG

Name:

Joseph Smith

E-Mail:

joseph.smith@louisvillemSD.org

Date/Time:

2021-01-25 09:00 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:

KY0022420

Major:

Yes

Permittee:

Hite Creek WQTC MSD

Permittee Address:

700 W Liberty St
Louisville, KY 40203

Facility:

HITE CREEK WQTC MSD

Facility Location:

5512 HITT LN
LOUISVILLE, KY 40285

Permitted Feature:

001
External Outfall

Discharge:

001-1A
SANITARY WASTEWATER

Report Dates & Status

Monitoring Period:

From 12/01/20 to 12/31/20

DMR Due Date:

01/28/21

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

Last Name:

Parrott

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI: --

80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample						=	98.0					23 - %	0	03/07 - Three Per Week	CA - CALCTD
					Permit Req.						>=	85.0 MO AV MN					23 - %		01/30 - Monthly	CA - CALCTD
					Value NODI															

81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample						=	95.0					23 - %	0	03/07 - Three Per Week	CA - CALCTD
					Permit Req.						>=	85.0 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
HCMOR122020.XLS	xls	335360.0
HC_Coverletter_1220.pdf	pdf	34349.0

Report Last Saved By

Hite Creek WQTC MSD

User: WILLIAM.FORD@LOUISVILLEMSD.ORG

Name: William Ford

E-Mail: william.ford@louisvillemSD.org

Date/Time: 2021-01-25 08:49 (Time Zone: -05:00)

Report Last Signed By

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG

Name: Joseph Smith

E-Mail: joseph.smith@louisvillemSD.org

Date/Time: 2021-01-25 09:02 (Time Zone: -05:00)

NAME OF TREATMENT PLANT HITE CREEK WTPCOUNTY JEFFERSONMONTH OF: December 2020KPDES PERMIT NUMBER KY0022420PLANT CAPACITY 4.4 MGDRECEIVING STREAM HITE CREEK

DATE	TOTAL EFF 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	RETURN		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L)	MLVSS (mg/L)	SETTLED SLUDGE VOLUME		RAW			HAULED			NH3-N (mg/L)	Ecoli	Phosphorus mg/L	Total Nitrogen	
																		MGD/DAY	MLSS (mg/L)					30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000					
1	5.682			7.0	7.2				8.8		158		9	165		4	2.2	13070	50000	3.7	4430	3930	310							37800	0.2		0.508	13.2		
2	4.763			7.1	7.1				8.9		165		8	169		3	2.5	13110	70000	3.9	4490	39810	320						1.74	44100	0.2	308				
3	4.382			7.0	7.2				9.0		182		6	151		3	2.18	13410	65900	3.8	4110	3790	300							44100	0.28	3				
4	4.03																2.47	12850	65900	4.2	4260	3420	300									65				
5	3.968																2.506		65900	4.6			310													
6	3.496																2.444		65900	4.8			300													
7	3.618																2.446	11940	65900	4.9	4420	3870	320													
8	3.49			7.1	7.1				8.7		154		7	150		3	2.61	12210	65900	4.3	4390	3610	300								0.4		1.27	17.7		
9	3.541			7.2	7.2				8.5		216		6	198		3	2.639	12090	65900	3.9	4490	3890	320					2.24		0.31	19					
10	3.631			7.5	7.4				8.8		186		6	167		4	2.486	12560	65900	4.1	4280	3770	300							0.3	147					
11	2.844																2.052	12120	65900	4	4130	3610	300								21					
12	3.808																2.42		65900	4.1			300													
13	3.699																2.31		65900	3.7			300													
14	3.442																2.348	13290	65900	3.9	4070	3500	300													
15	3.443			7.1	7.3				8.6		198		7	205		4	2.261	9730	65900	4.2	3360	2790	270							0.38		0.791	19.8			
16	3.906			7.1	7.2				8.8		108		11	72		4	2.251	11210	65900	4	3410	2810	300							0.62	9					
17	3.788			7.2	7.3				8.9		101		6	172		3	2.24	11410	65900	4.3	4320	3600	360							0.82	6					
18	3.546																2.24	1180	65900	4.6	5260	4430	340								132					
19	3.722																2.219	11620	65900	42	5340	4500	340													
20	4.198																2.238	11800	65900	4.5	5420	4300	340													
21	4.154																2.216	11110	65900	4	4780	4040	400													
22	3.939			7.1	7.4				8.5		132		5	175		4	2.161	10130	65900	4.1	4740	4020	390							0.91		1.05	16.4			
23	3.918																2.12	10630	65900	4	4780	4030	420								2					
24	4.406																2.313		65900	3.7			400													
25	3.336																2.222	12900	65900	3.6	4690	3980	410													
26	3.635																2.355		65900	3.7			390													
27	3.48			7.2	7.5				8.9		142		10	169		7	2.344		65900	4			400							1.3						
28	3.251			7.1	7.4				8.7		181		8	216		7	2.3	9510	65900	4.3	5270	4500	380							1.8	48					
29	3.151			7.1													2.232	9720	65900	4.5	5100	4300	380								1					
30	4.286																2.205	10120	65900	4.8	4900	4110	380													
31	7.543																3.95	11140	65900	5.2	4740	4010	380													
Tot.	122.1																73.48														126000					
Avg.	3.939			7.1	7.3				8.8		160		7	167		4	2.37	11203	65519	5.4	4549	5359.2	340.6						1.99	42000	0.63	19	0.90	16.775		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

37510
FLOW32349
CBOD25066
TSSCurtis E. Otto
OPERATOR20265
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502.540.6000

PLANT TELEPHONE