



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

November 12, 2020

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

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

There were no bypasses or exceedances.

Attached is an 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. 10/20.

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:

001-1A
SANITARY WASTEWATER

Report Dates & Status

Monitoring Period:

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

DMR Due Date:

11/28/20

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	01/30 - Monthly	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						=	96.0					23 - %	0	01/30 - Monthly	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
HCMOR102020.pdf	pdf	141754.0
HCCoverflow1020.pdf	pdf	15353.0
HCCoverletter(2).pdf	pdf	33640.0

Report Last Saved By

Hite Creek WQTC MSD

User: kevin.thompson@louisvillemasd.org

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemasd.org

Date/Time: 2020-11-20 11:11 (Time Zone: -05:00)

Report Last Signed By

User: JOSEPH.SMITH@LOUISVILLEMSD.ORG

Name: Joseph Smith

E-Mail: joseph.smith@louisvillemasd.org

Date/Time: 2020-11-24 10:15 (Time Zone: -05:00)

NAME OF TREATMENT PLANT HITE CREEK WTP
 KPDES PERMIT NUMBER KY0022420

COUNTY JEFFERSON
 PLANT CAPACITY 4.4 MGD

MONTH OF: October 2020
 RECEIVING STREAM HITE CREEK

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	RETURN		WASTE P	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L)	MLVSS (mg/L)	SETTLED SLUDGE VOLUME		RAW			HAULED			WITHDRAWN GALLONS	NH3-N (mg/L)	E.coli	Phosphorus mg/L	Total Nitrogen
																		MGD/DAY	MLSS (mg/L)					MLSS GAL	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS					
1	3.223			7.1	7.1				9.0		222	8	178		3	1.9	10420	65900	5	4160	3110	250								88200	0.2		0.355			
2	5.71			7.3												1.97	10160	65900	5.1	4280	3320	250								88200		1300				
3	3.179			7.6												1.89	9680	65900	4.9	4690	3520	250								50400						
4	3.179			7.4	7.2			9.0			256	6	185		3	1.91	9010	65900	5.1	5050	3860	250								0	0.58					
5	3.442			7.1	7.7			8.9			82	8	163		3	1.89	10410	65900	5.4	4960	3820	250								56700	0.23	1		20.5		
6	3.58															1.97	11870	65900	4.8	4740	3690	250								63000		6				
7	2.949															1.91	10960	65900	4.7	4920	3790	250								63000						
8	2.904			7.0	7.4			8.7			186	6	376		3	1.88	10780	65900	4.5	4670	3490	260								43300	1		0.300			
9	2.317															1.9	11020	65900	4.7	4710	3560	230								18900		18				
10	2.831															1.97		65900	5.2			240								0						
11	3.046			7.3	7.4			8.5			204	5	170		3	1.89		65900	5			250								0	0.76					
12	3.129			7.1	7.3			8.8			74	9	157		4	1.91	11100	65900	5	4610	3690	270								63000	0.5	1		21		
13	2.949			7.3												1.89	10660	65900	5.2	4940	3790	260								63000		12				
14	3.44															1.97	10210	65900	5	4810	3610	250								94500						
15	3.16			8.0	7.2			8.2			186	8	205		2	1.91	11210	65900	2.4	4590	3200	250								94500	0.32		0.529			
16	3.011			2.0												1.88	10750	65900	3	4310	3350	240								63000		1				
17	2.883															1.91		65900	3			260								37800						
18	2.835			7.2	7.4			8.6			224	6	197		2	1.89		65900	3.2			270								0	0.4					
19	3.874			7.0	7.3			8.9			106	7	86		4	1.97	12280	65900	3.5	4500	3590	270								56700	0.27	1		20		
20	5.59															1.91	12940	65900	3.6	4310	3360	260								50400		2				
21	4.142															1.88	11740	65900	3.4	4560	3670	270								59800						
22	3.688			7.3	7.4			8.4			178	5	169		2	1.9	10820	65900	3.6	4430	3720	270								75600	0.2		0.392			
23	4.214															1.97	11270	65900	3	4610	3620	270								63000						
24	4.166															1.89	12420	65900	4.4	5110	3720	270								100800		1				
25	3.581				7.2			8.4			148	6	73		3	1.91	11630	65900	4	5200	3840	270								0	0.34					
26	3.509			7.4	7.3			8.6			95	4	90		2	1.89	12140	65900	4.4	4860	3690	270								63000	0.2	2		16.4		
27	3.26			7.2												1.97	11950	65900	3	4770	3410	270								63000		1				
28	2.584															1.89	12010	65900	3.3	4890	3500	270								37800						
29	10.77															1.97	13470	65900	3.6	4150	3260	220								88200						
30	9.44															1.91	12710	65900	3.5	4360	3380	240								63000						
31	5.545															1.79		65900	4.7			270								63000						
Tot.	122.1															59.29															1671800					
Avg.	3.94			7.0	7.3			8.7			163	7	171		3	1.913	11293	65900	4.168	4661	3560	256.5								2.1		53929.03	0.42	4	0.39	19.48

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

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

INDUSTRIAL WASTE POPULATION EQUIVALENT

37520 FLOW 33001 CBOD 25568 TSS

Curtis E. Otto
 OPERATOR

20265
 CERT. NO.

502.540.6000
 PLANT TELEPHONE



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
SMHSewer Manhole	108956	7302 FLOYDSBURG RD		FLOYDS FORK	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISREV: RAIN EVENT DISCHARGE	3312865		10/29/2020	DENZI	BRAZEL	QUEUED FOR REPAIR	10/29/2020	LACK OF SYSTEM	UNAUTHORIZED DISCHARGE-	10/29/20 02:05 PM	

Discharge Reporting:

Discharge Amount:	9,125 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	NO CLEANUP NEEDED, DISCHARGED DIRECTLY TO CREEK.
Control Zone:	SORP SIGNS PLACED NEAR MANHOLE AND CREEK.
Impact:	SEWER DISCHARGING FROM MANHOLE.
Repair:	HAULED FLOYDSBURG PS UNTIL STATION WAS OUT OF HWW.
Public Notification:	SORP SIGNS PLACED NEAR MANHOLE AND CREEK.

Notifications:

10/30/20 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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KPDES #
KY0022420

Facility ID
MSD0202

Water Quality Treatment Center
HITE CREEK

Receiving Stream of Treatment Center
HITE CREEK

Region
EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMHSewer Manhole	66918	6405 DEEP CREEK DR		HARRODS CREEK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	3310160		10/16/2020	CATALANO JR	Kelvin Wilson	REPAIRED - ISSUE RESOLVED	10/16/2020	OBSTRUCTION- NOT GREASE / ROOTS	UNAUTHORIZED DISCHARGE- WATERS	10/17/20 09:45 AM	

Discharge Reporting:

Discharge Amount:	15 GAL
Cause:	AN OBSTRUCTION IN MAIN SEWER.
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	TEMPORARY SIGNS PLACED AROUND AREA.
Impact:	THERE WAS SEWAGE ON THE GROUND.
Repair:	FLUSHED THE OBSTRUCTION FROM THE MAIN SEWER.
Public Notification:	TEMPORARY NOTIFICATION.

Notifications:

10/17/20 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
10/17/20 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

Total Facilities Printed: 2

Total Work Orders Printed: 2