



700 West Liberty Street | Louisville, KY 40203-1911
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March 20, 2023

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for February 2023.**

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 February 2023.

Also attached is overflow report.

There were no bypasses 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. 2/23.

Cc: V. Teague
K. Robinson
M. Saylor

80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample	=	97.0							23 - %	01/30 - Monthly	CA - CALCTD
					Permit Req.	>=	85.0 MO AV MN						23 - %	0	01/30 - Monthly	CA - CALCTD
					Value NODI											
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample	=	97.0							23 - %	01/30 - Monthly	CA - CALCTD
					Permit Req.	>=	85.0 MO AV MN						23 - %	0	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
HCMOR0223.pdf	pdf	137319.0
HCCoverletter0223.pdf	pdf	34727.0
HCOverflow0223.pdf	pdf	66889.0

Report Last Saved By

Hite Creek WQTC MSD

User: kevin.thompson@louisvillemsd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemsd.org
 Date/Time: 2023-03-21 09:34 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemsd.org
 Date/Time: 2023-03-21 10:17 (Time Zone: -04:00)

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: February 2023
 KPDES PERMIT NUMBER KY0022420 PLANT CAPACITY 4.4 MGD RECEIVING STREAM HITE CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		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		WASTED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME		RAW		HAULED		NH3-N (mg/L)	E. Coli	Phosphorus mg/L	Total Nitrogen			
																		GAL/DAY x 1000	MLSS x 1000					Gallons	30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS					% DRY SOLIDS	% VOLATILE SOLIDS WITHDRAWN GALLONS x 1000	
1	4.37			7.1	7.0			7.0			98		3	16		3	4.78	9000	105000	3	4910	4180	540									0.27		0.1		
2	4.425			7.3	7.7			7.2			72		3	54		4	3.715	4330	0	2.7	5050	4270	490								0.45	1				
3	3.903																2.701	7760	110000	2.5	5900	5030	260								1					
4	3.735																2.69	7550	120000	2.9	5690	4800	400													
5	3.873			7.2	7.6			7.4			222		3	194		3	2.65	7950	120000	2.4	5610	4720	400								0.22			7.28		
6	3.899																2.63	10000	120000	2.1	5160	4360	500								1					
7	3.884																2.66	8550	100000	2.4	3490	2890	420													
8	3.85			7.1	7.1			9.7			150		3	137		3	2.64	5990	120000	2.5	4910	4120	450								0.22		0.1			
9	3.66			7.3	7.7			9.4			112		3	163		4	2.63	4040	100000	1.8	5180	4570	370								0.33	20				
10	3.464																2.62	6560	90000	2.8	4140	3600	370									22				
11	3.367																2.61	8550	100000	2.7	5320	4550	430													
12	3.37			7.2	8.1			9.1			148		3	176		5	2.67	9460	91000	2.2	5140	4270	400								0.2			7.47		
13	3.21																2.672	7270	91000	2.7	4660	4100	480								1					
14	3.636																2.658	9260	90000	2.5	5120	4340	490													
15	3.714			7.3	7.6			9.3			236		3	211		3	2.68	8470	100000	2.3	4740	3980	510									0.69		0.12		
16	9.047			7.6	7.7			9.5			71		10	43		5	3.552	7870	100000	2.2	5350	4240	450								1.7	1				
17	9.173																4.623	17550	111000	2.8	4840	4050	390								33					
18	6.118																4.825	13510	111000	2.2	5420	4510	370													
19	5.157			7.4	7.4			9.4			66		3	106		3	4.825	9740	110000	2.5	4510	3810	470								0.36			7.56		
20	5.384																4.831		110000	2.8			410								1					
21	5.214																4.725	5470	118000	2.4	4280	3600	40													
22	4.555			7.2	7.6			9.7			226		5	173		3	4.737	9100	119000	2.2	4330	3640	400								0.45		0.14			
23	4.677			7.4	7.4			9.6			168		8	114		3	4.755	6440	110000	2.1	4870	4090	450								0.45	2				
24	4.176																4.705	7220	110000	2.7	4230	3700	550									5				
25	3.905																4.675		110000	2.4			450													
26	4.252			7.2	7.5			9.4			66		3	127		2	4.696		110000	3			400								0.54			13.1		
27	4.09																4.676	7420	110000	2.8	4030	3420	510								1					
28	3.892																3.401	8650	110000	2.2	4120		500													
29																																				
30																																				
31																																				
Tot.	126																102																			
Avg.	4.5			7.3	7.5			8.9			136		4	126		3	3.644	8308.4	103428.6	2.5	4840	4118	425									0.49	3	0.12	8.852500	

RESIDENTIAL FLOW 42857 INDUSTRIAL WASTE POPULATION EQUIVALENT 27853 COMMERCIAL FLOW 24350 INDUSTRIAL TSS 25712 OPERATOR Scott Reed CERT. NO. 25712

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

502-540-6000 PLANT TELEPHONE



**IMSAST0004
Overflow Report
2/1/2023 12:00:00 AM to 2/28/2023 12:00:00 AM**

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Discharge	Region							
KY0022420	MSD0202	HITE CREEK	HITE CREEK	NA							
Facility Type	Facility ID	Facility Address	If Pump Station, Name of Station	Receiving Stream	Discharge To						
Sewer Lift Station	MSD1086-PS	7260 FLOYDSBURG RD	HITE CREEK	FLOYDS FORK	DITCH						
Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3611761		2/16/2023 10:05:00 AM	CATALANO JR	JENKINS	BEYOND APPROVED DESIGN STORM	2/16/2023 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	02/16/23 08:00 PM	

Discharge Reporting:

Discharge Amount:	8,925 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	CLEANUP NOT POSSIBLE DUE TO MAGNITUDE OF STORM.
Control Zone:	PERMANENT SIGN IN PLACE - NO ADDITIONAL CONTROL ZONE SET UP.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND WET WELL.
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.
Public Notification:	PERMANENT SIGN IN PLACE - NO ADDITIONAL CONTROL ZONE SET UP.

Notifications:

2/16/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/16/23 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION