



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

April 15, 2023

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

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

Also attached is 1st quarter biomonitoring.

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. 3/23.

Cc: V. Teague
K. Robinson
M. Saylor

80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample	=	98.0						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	=	96.0						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
MOR0323.pdf	pdf	144539.0
OverflowHC.pdf	pdf	167688.0
Coverletter.pdf	pdf	38252.0

Report Last Saved By

Hite Creek WQTC MSD

User: staci.huber@louisvillemsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemsd.org
 Date/Time: 2023-04-17 10:23 (Time Zone: -04:00)

Report Last Signed By

User: staci.huber@louisvillemsd.org
 Name: Staci Huber
 E-Mail: staci.huber@louisvillemsd.org
 Date/Time: 2023-04-18 10:35 (Time Zone: -04:00)

DMR Copy of Record

Permit																					
Permit #:		KY0022420			Permittee:				Hite Creek WQTC MSD				Facility:		HITE CREEK WQTC MSD						
Major:		Yes			Permittee Address:				700 W Liberty St Louisville, KY 40203				Facility Location:		5512 HITT LN LOUISVILLE, KY 40285						
Permitted Feature:		001 External Outfall			Discharge:				001-2B QUARTERLY BIOMONITORING												
Report Dates & Status																					
Monitoring Period:		From 01/01/23 to 03/31/23			DMR Due Date:				04/28/23				Status:		NetDMR Validated						
Considerations for Form Completion																					
Principal Executive Officer																					
First Name:		James			Title:				Executive Director				Telephone:		502-540-6000						
Last Name:		Parrott																			
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				
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI											<	1.0	2G - tox chronic	0	01/90 - Quarterly	24 - COMP24
																<=	1.0 MAXIMUM	2G - tox chronic		01/90 - Quarterly	24 - COMP24
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																					
No attachments.																					
Report Last Saved By																					
Hite Creek WQTC MSD																					
User:		kevin.thompson@louisvillemtd.org																			
Name:		Kevin Thompson																			
E-Mail:		kevin.thompson@louisvillemtd.org																			
Date/Time:		2023-04-18 08:55 (Time Zone: -04:00)																			
Report Last Signed By																					
User:		staci.huber@louisvillemtd.org																			
Name:		Staci Huber																			
E-Mail:		staci.huber@louisvillemtd.org																			
Date/Time:		2023-04-18 10:36 (Time Zone: -04:00)																			

NAME OF TREATMENT PLANT HITE CREEK WTP
 KPDES PERMIT NUMBER KY0022420

COUNTY JEFFERSON
 PLANT CAPACITY 4.4 MGD

MONTH OF: March 2023
 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	GAL/DAY X 1000	MLSS X 1000	WASTED Gallions	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	
																								30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000					
1	4.292			7.4	7.8			9.8		320		3	187		3	1.911	8440	110000		2.3	4370	3760	440											0.83		0.3
2	3.25			7.7	7.6			9.6		69		3	142		3	3.2	11910	110000		2.9	4700	3980	460										0.31	6		
3	10.17															4.4	7680	110000		2.4	5580	4680	400										13			
4	9.148															4.918	10960	110000		3	3920	3320	380													
5	6.25			7.6	7.7			9.6		41		29	119		6	4.92	11150	110000		3.1	4060	3470	400									0.39		3.3		
6	5.865															4.91	7540	110000		3	3680	3040	410										1			
7	5.267															4.93	8360	90000		2.7	3930	3170	400													
8	4.77			7.2	7.5			9.3		124		3	114		2	4.9	7020	90000		2.7	3830	3170	420									0.2		0.3		
9	4.444			7.4	7.6			10.0		144		6	155		4	4.99	5930	90000		2.3	4932	4090	330									0.2	18			
10	4.53															5.168	4970	0		2.4	3210	2740	310									58				
11	4.314															5.02	6380	80000		2.2	3230	2810	310													
12	3.976			7.6	7.5			9.7		162		10	206		6	4.994	5630	80000		5.5	4410	3700	320									6.7		9.2		
13	4.48															3.345	6250	90000		2.7	3830	3230	450									115				
14	4.23															2.16	10570	90000		2.9	4210	3650	470													
15	4.271			7.4	7.4			9.8		79		3	151		4	2.13	10030	90000		2	4130	3490	450									0.2		0.3		
16	4.004			7.6	7.5			10.0		160		3	182		4	2.12	10690	90000		2.1	4220	3610	510									0.24	4			
17	4.342															2.148	10130	90000		1.9	3920	3320	440									11				
18	4.103															2.112	8180	91000		1.9	3710	3210	400													
19	3.607			7.6	7.7			10.3		106		3	127		2	2.122	9020	91000		2.5	3910	3000	400									0.2		7.7		
20	3.695															2.142	8940	100000		2.2	4650	3670	340									5				
21	3.732															2.15	10290	90000		2	3860	3330	430													
22	3.851			7.4	7.5			10.1		150		3	185		3	2.169	8430	90000		1.6	2870	2430	380									0.2		0.3		
23	3.859			7.2	7.4			9.7		204		3	184		3	3.682	7720	90000		1	3630	3080	310									1.2	8			
24	6.678															4.969	11740	90000		2.1	3850	3310	340										7			
25	12.33															4.97		90000		2.5			260													
26	7.48			7.2	7.6			10.0		218		3	83		3	4.95		91000		2.5			310									0.26		0.9		
27	6.38															5.02	7660	90000		2.3	3870	3280	400									1				
28	5.04															5.04	6690	90000		1.7	4270	3610	350													
29	4.642															5.04	4780	90000		2.2	3990	3270	480													
30	4.642																8100	90000		2.2	3690	3020	450													
31	5.675																																			
Tot.	163.3															110.5																				
Avg.	5.268			7.4	7.6			9.8		148		6	153		4	3.811	8399.6	90766.7		2.427	4013	3373	391.7									0.91	8	0.30	5.275000	

RESIDENTIAL FLOW 50175 INDUSTRIAL WASTE POPULATION EQUIVALENT 39522 30983 Scott Reed 25712
 COMMERCIAL FLOW CBOD TSS OPERATOR CERT. NO.
 INDUSTRIAL FLOW

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

502-540-6000
 PLANT TELEPHONE



**IMSAST0004
Overflow Report
3/1/2023 12:00:00 AM to 3/31/2023 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 Manhole	108956	7302 FLOYDSBURG RD	HITE CREEK	FLOYDS FORK	STREAM

Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3632575		3/25/2023 2:25:00 AM	CATALANO JR	BROWN JR	QUEUED FOR INVESTIGATION / REPAIR	3/7/2022 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	03/25/23 12:25 PM	

Discharge Reporting:

Discharge Amount:	15,000 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	CLEANUP NOT POSSIBLE DUE TO MAGNITUDE OF STORM.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE FOUND AROUND MANHOLE.
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

3/25/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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**IMSAST0004
Overflow Report
3/1/2023 12:00:00 AM to 3/31/2023 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	MSD1018-PS	3700 CYPRESS SPRINGS PL	HITE CREEK	FLOYDS FORK	GROUND

Activity Code / Description	WO #	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	3622932		3/5/2023 11:30:00 AM	CATALANO JR	CATALANO JR	REPAIRED - ISSUE RESOLVED	3/5/2023 12:00:00 AM	MECHANICAL FAILURE	UNAUTHORIZED DISCHARGE-WATERS	03/05/23 12:10 PM	

Discharge Reporting:

Discharge Amount:	6,000 GAL
Cause:	MECHANICAL FAILURE OF GENERATOR.
Clean Up:	AREA DISINFECTED WITH LIME.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE ON GROUND.
Repair:	ACTIVELY WORKING TO REPAIR GENERATOR.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

3/5/23 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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**IMSAST0004
Overflow Report
3/1/2023 12:00:00 AM to 3/31/2023 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	3622582		3/3/2023 2:22:00 PM	SMITHER	SMITHER	BEYOND APPROVED DESIGN STORM	3/4/2023 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE-WATERS	03/04/23 06:00 PM	

Discharge Reporting:

Discharge Amount:	32,960 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	CLEANUP NOT POSSIBLE DUE TO MAGNITUDE OF STORM.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND MANHOLE.
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

3/4/23 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
3/4/23 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION