

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

March 18, 2024

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

RE: Hite Creek WQTC, KPDES No: KY0022420

Discharge Monitoring Report for February 2024.

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 2024.

Also attached is overflow report.

There were no bypasses.

There was but one exceedance.

Hite Creek exceeded the Ammonia maximum weekly average with an average 9.0 mg/L maximum allowance 7.5 average mg/L.

We have since reinstalled/rebuilt 2 Nitrate BNR pumps along with some solids reduction to help restabilize the plant BNR system.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6000.

Sincerely,

Curt Otto

Process Supervisor



700 West Liberty Street | Louisville, KY 40203-1911

Phone: 502.587.0603 | Fax: 502.540.6106 | louisvillemsd.org

CEO/ Hite Creek. 2/24.

Cc:

V. Teague K. Robinson

M. Saylor

DMR Copy of Record

Permit	
1 CITIII	

KY0022420 Permit #:

Yes Major:

Hite Creek WQTC MSD Permittee:

700 W Liberty St Louisville, KY 40203 Permittee Address:

Facility Location:

Facility:

Status:

HITE CREEK WQTC MSD

5512 HITT LN

LOUISVILLE, KY 40285

Permitted Feature: 001

External Outfall

Discharge: 001-1B SANITARY WASTEWATER

Report Dates & Status

From 02/01/24 to 02/29/24 **Monitoring Period:**

03/28/24

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.

DMR Due Date:

Title:

Principal Executive Officer

First Name: James A

Parrott Last Name:

Executive Director

Telephone: 502-540-6000

No Data Indicator (NODI)

	Parameter	Monitoring Location	Season	# Param. NODI		C	uantity or Lo	pading					Quality or Cond	centration			# of E	x. Frequency of Analysis	Sample Type
Code	Name				Qualif	er 1 Value 1	Qualifier 2	2 Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample						9.0					19 - mg/L		03/07 - Three Per Week	
300	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Req.					>=	7.0 INST MIN					19 - mg/L	0	03/07 - Three Per Week	GR - GRAB
					Value NODI														
					Sample					=	6.9			=	7.7	12 - SU		03/07 - Three Per Week	GR - GRAB
0.400	-11	4 544			Permit Req.						6.0 MINIMUM				9.0 MAXIMUM	12 - SU	0	03/07 - Three Per Week	
0400	рН	1 - Effluent Gross	0		Value NODI												- 0		
					Sample =	275.0	=	394.0	26 - lb/d				7.0			19 - mg/L		03/07 - Three Per Week	
0530	Solids, total suspended	1 - Effluent Gross	0		Permit Req. <=	2253.0 MO AVG	<=	3380.0 MX WK AV	26 - lb/d			<=	30.0 MO AVG	<=	45.0 MX WK AV	19 - mg/L	0	03/07 - Three Per Week 2	24 - COMP24
					Value NODI														
					Sample							=	188.0	=	241.0	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
0530	Solids, total suspended	G - Raw Sewage Influent	0	<u></u>	Permit Req.								Req Mon MO A	VG	Req Mon MX WK AV	/ 19 - mg/L	0	03/07 - Three Per Week 2	24 - COMP24
	oonao, totai oaoponaea	5 Raw Sawage Illidelit	J		Value NODI														
													44.0		10.0	10 == "		04/07 \Maskit	OD COMPOS
					Sample								14.0 Reg Mon MO A\		16.0 Req Mon MX WK A\	19 - mg/L			CP - COMPOS 24 - COMP24
0600	Nitrogen, total [as N]	1 - Effluent Gross	0		Permit Req.								Req Ivion IviO A	VG	Red Mon MX WK AV	/ 19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI														
					Sample							=	28.0	=	33.0	19 - mg/L		01/07 - Weekly	CP - COMPOS
0600	Nitrogen, total [as N]	G - Raw Sewage Influent	0		Permit Req.								Req Mon MO A	VG	Req Mon MX WK AV	/ 19 - mg/L	0	01/07 - Weekly	24 - COMP24
	1				Value NODI														
					Sample							=	5.0	=	9.0	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
,					Permit Req.								5.0 MO AVG		7.5 MX WK AV	19 - mg/L	-	03/07 - Three Per Week 2	
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2										0.0 1110 7170	-	7.0 MAC WICH	10 mg/L	_ 1	OO/O7 THIOOT OF WOOK I	21 001111 21
					Value NODI														
					Sample								0.3		0.4	19 - mg/L			CP - COMPOS
0665	Phosphorus, total [as P]	1 - Effluent Gross	2		Permit Req.							<=	2.0 MO AVG	<=	3.0 MX WK AV	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI														
					Sample							=	3.8	=	4.3	19 - mg/L		01/07 - Weekly	CP - COMPOS
0665	Phosphorus, total [as P]	G - Raw Sewage Influent	2	<u></u>	Permit Req.								Req Mon MO A	VG	Req Mon MX WK A\		0		24 - COMP24
0003	Filospilorus, total [as F]	G - Naw Sewage Illiluelit			Value NODI												0		
					Sample =	4.315		5.652	03 - MGE									03/07 - Three Per Week	
0050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0		Permit Req.	Req Mon MO A	/G	Req Mon MX WK A	V 03 - MGL	1							0	99/99 - Continuous	RC - Recorder (a
					Value NODI														
					Sample							=	9.0	=	51.0	13 - #/100ml		03/07 - Three Per Week	GR - GRAB
1040	E. coli	1 - Effluent Gross	0	<u></u>	Permit Req.							<=	130.0 30DA GE	0 <=	240.0 7 DA GEO	13 - #/100ml	L o	03/07 - Three Per Week	GR - GRAB
			-		Value NODI														
						174.0		204.0	26 - lb/d			_	5.0	=	5.0	19 - mg/L		03/07 - Three Per Week (CP - COMPOS
					Sample = Permit Req. <=	751.0 MO AVG		1127.0 MX WK AV					10.0 MO AVG			19 - mg/L 19 - mg/L		03/07 - Three Per Week 1	
0082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0			751.5 IVIO AVG		1.21.0 WA WILAV	20 · 10/u				10.0 INIO AVG	\ <u>-</u>	IO.O IVIX VVICAV	15 mg/L	0	55/07 THISE I EL WEEK	2. OOM 24
					Value NODI														
					Sample								126.0		164.0	19 - mg/L		03/07 - Three Per Week	CP - COMPOS
0082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0		Permit Req.								Req Mon MO A	VG	Req Mon MX WK A	/ 19 - mg/L	0	03/07 - Three Per Week 2	24 - COMP24
-	,				Value NODI												-		

	BOD, carb-5 day, 20 deg C, percent removal	val K - Percent Removal			Sample	=	96.0		23 - %		01/30 - Monthly	CA - CALCTD
80091			0		Permit Req.	>=	85.0 MO AV N	/IN	23 - %	0	01/30 - Monthly	CA - CALCTD
33331					Value NODI							
					Sample	=	96.0		23 - %		01/30 - Monthly	CA - CALCTD
81011	Solids, suspended percent removal	K - Percent Removal	0		Sample Permit Req.	= >=	96.0 85.0 MO AV N		23 - % 23 - %		01/30 - Monthly 01/30 - Monthly	CA - CALCTD CA - CALCTD

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

	Parameter	Monitoring Loggian	Field	Туре	Description	Acknowledge
Code	Name	Monitoring Location	Field		Description	Acknowledge
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments

Attachments

Name	Туре	Size
02_Feb_2024_Discharge_Report.pdf	pdf	93927.0
Hite_Creek_CL_FEB2024.pdf	pdf	55205.0
HCLIMSPCSSPREADSHEET050118022024.xls	xls	163840.0
HCMOR022024.xls	xls	327680.0

Report Last Saved By

Hite Creek WQTC MSD

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemsd.org

Date/Time: 2024-03-18 10:56 (Time Zone: -04:00)

Report Last Signed By

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemsd.org

Date/Time: 2024-03-18 11:01 (Time Zone: -04:00)

KPDES#	Facility ID	Water 0	Quality Treatm	ent Center	Recieving Stea	am of Discharge	Region					
KY0102784	MSD0294	FLOYD	S FORK		FLOYDS FORK	FLOYDS FORK		NA				
Facility Type	Facility ID	Facility	Address	If Pump Station	n, Name of Statio	on	Recieving St	ream	Discharge To			
Sewer Main	112308E-V	1707 S STATIC	ENGLISH N RD	FLOYDS FORK			FLOYDS FOR	OYDS FORK GROUN		GROUND		
Activity Code / Description	WO#	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition	
DISDW:DRY WEATHER DISCHARGE	3752983		2/7/2024 12:00:00 PM	SOSA I RODRIGUEZ	SOSA RODRIGUEZ	REPAIRED - ISSUE RESOLVED	2/7/2024 12:00:00 AM	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE- WATERS	02/08/24 06:06 AM		

Discharge Reporting:

Discharge Amount:	25 GAL
Cause:	STRUCTURAL FAILURE (FORCE MAIN BREAK).
Clean Up:	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/WATER DISCHARGING FROM DOWN SPOUT.
Repair:	MSD CONTRACTOR REPAIRED THE MAIN SEWER.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

2/7/24 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/7/24 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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KPDES #	Facility ID	Water Quality 1	reatment Center	Recieving Ste	am of Discharge	Region	Region						
KY0078956	MSD0277	DEREK R. GUT	HRIE	OHIO RIVER	OHIO RIVER		NA						
Facility Type	Facility ID	Facility Addres	s If Pump Star	ion, Name of Stati	on	Recieving St	ream	Discharge To	Discharge To				
Sewer Manhole	47478	5901 PAGEAN WAY	T DEREK R. G	UTHRIE		BIG RUN		DITCH					
Activity Code / Description	WO#	Ref # Initiat	ed on Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition			
DISDW:DRY WEATHER DISCHARGE	3756543	2/16/2 4:40:0			REPAIRED - ISSUE RESOLVED	2/16/2024 12:00:00 AM	GREASE BLOCKAGE	UNAUTHORIZED DISCHARGE- WATERS	02/17/24 05:05 PM	MAIN			

Discharge Reporting:

Discharge Amount:	625 GAL
Cause:	GREASE IN MAIN SEWER.
Clean Up:	MSD PERSONNEL WILL CLEAN IMPACTED AREA.
Control Zone:	MSD PERSONNEL ADVISED THE CUSTOMER TO AVOID CONTACT WITH SEWAGE.
Impact:	SEWAGE / DEBRIS AROUND MANHOLE.
Repair:	FLUSHED THE MAIN SEWER TO REMOVE OBSTRUCTION.
Public Notification:	ADVISED CUSTOMER ON SITE.

Notifications:

2/18/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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KPDES#	Facility ID	Water 0	Quality Treatm	ent Center	Recieving Stea	Recieving Steam of Discharge		Region						
KY0098540	MSD0289	CEDAR	CREEK		CEDAR CREE	CEDAR CREEK		NA						
Facility Type	Facility ID	Facility	Address	If Pump Statio	n, Name of Statio	Name of Station		Recieving Stream		Discharge To				
Sewer Manhole	85505	6902 E RD	BARDSTOWN	CEDAR CREE	AR CREEK			CEDAR CREEK		STREAM				
Activity Code / Description	WO#	Ref #	Initiated on	Initiated By	Assigned To	Dish Status	Event Date	Problem Desc	Result	Completed	Condition			
DISDW:DRY WEATHER DISCHARGE	3753576		2/11/2024 4:45:00 PM	BEASLEY	BEASLEY	REPAIRED - ISSUE RESOLVED	2/11/2024 12:00:00 AM	OBSTRUCTION-NOT GREASE / ROOTS	UNAUTHORIZED DISCHARGE- WATERS	02/11/24 07:57 PM				

Discharge Reporting:

Discharge Amount:	100 GAL
Cause:	OBSTRUCTION IN MAIN SEWER.
Clean Up:	NO CLEAN UP PERFORMED.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND MANHOLE.
Repair:	ROOT CUT MAIN SEWER AND RESOTRED FLOW.
Public Notification:	ADVISED CUSTOMER ON SITE.

Notifications:

2/13/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV	
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KPDES #	Facility ID	Water 0	Quality Treatm	ent Center	Recieving Stea	am of Discharge	of Discharge Region				
KY0034185	MSD0512	PIONE	R VILLAGE #	1	BROOKS RUN						
Facility Type	Facility ID	Facility	Address	If Pump Statio	n, Name of Statio	on	Recieving St	ream	Discharge To		
Sewer Lift Station	MSD2021-PS	165 O	65 OCTAGON AVE PIONEER VILLA		AGE #1		BROOKS RUN		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	3764547		2/22/2024 2:46:00 PM	SANTEE	SANTEE	DOCUMENTED	12/21/2022 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/24/24 02:14 PM	

Discharge Reporting:

Discharge Amount:	42,800 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	NO CLEAN UP PERFORMED – PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE FOUND IN THE STREAM.
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.
Public Notification:	PLACED TEMPORARY SIGNS AROUND IMPACTED AREA.

Notifications:

2/23/24 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/23/24 1:00 AM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION

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KPDES #	Facility ID	Water 0	Quality Treatm	ent Center	Recieving Stea	am of Discharge	e Region				
KY0034185	MSD0512	PIONE	R VILLAGE #	I	BROOKS RUN						
Facility Type	Facility ID	Facility	Address	If Pump Statio	n, Name of Statio	on	Recieving St	ream	Discharge To		
Sewer Lift Station	MSD2021-PS	165 OCTAGON AVE PIONEER VILLA		AGE #1		BROOKS RUN		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	3765265		2/28/2024 6:10:00 AM	BUTLER	BUTLER	DOCUMENTED	12/21/2022 12:00:00 AM	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE- WATERS	02/29/24 07:47 AM	

Discharge Reporting:

Discharge Amount:	91,100 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 IN THE STREAM.
Repair:	SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

2/28/24 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
2/28/24 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION