



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

August 13th, 2026

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for July 2026.**

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 July 2026.

Overflow report attached.

There were no bypasses or exceedances.

If you have any questions concerning the attached DMR's, please contact me at (502) 264-2804.

Sincerely,

Alex Smither
Process Supervisor

CAS/Hite Creek 7/26.

cc: B. Tinnell
V. Graves

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the [NPDES eReporting Help Desk](#) for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit

Permit #:

KY0022420

Major:

Yes

Permitted Feature:

001
External Outfall

Permittee:

Hite Creek WQTC MSD

Permittee Address:

700 W Liberty St
Louisville, KY 40203

Discharge:

001-1B
SANITARY WASTEWATER

Facility:

HITE CREEK WQTC MSD

Facility Location:

5512 HITT LN
LOUISVILLE, KY 40285

Report Dates & Status

Monitoring Period:

From 07/01/26 to 07/31/26

DMR Due Date:

08/28/26

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:

Tony

Last Name:

Parrott

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	8.5					19 - mg/L	0	03/07 - Three Per Week	GR - Grab
					Permit Req.						>=	7.0 INST MIN					19 - mg/L			
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6.8			=	7.7	12 - SU	0	03/07 - Three Per Week	GR - Grab
					Permit Req.						>=	6.0 MINIMUM			<=	9.0 MAXIMUM	12 - SU			
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	170.0	=	263.0	26 - lb/d			=	4.0	=	5.0	19 - mg/L	0	03/07 - Three Per Week	CP - Composite
					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			
					Value NODI															
00530	Solids, total suspended	G - Raw Sewage Influent	0	--	Sample								=	142.0	=	181.0	19 - mg/L	0	03/07 - Three Per Week	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L			
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	12.0	=	16.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L			
					Value NODI															
00600	Nitrogen, total [as N]	G - Raw Sewage Influent	0	--	Sample								=	26.0	=	29.0	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L			
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample								=	0.3	=	0.3	19 - mg/L	0	03/07 - Three Per Week	CP - Composite
					Permit Req.								<=	2.0 MO AVG	<=	3.0 MX WK AV	19 - mg/L			
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	1	--	Sample								=	0.5	=	0.957	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.								<=	1.0 MO AVG	<=	1.5 MX WK AV	19 - mg/L			
					Value NODI															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	1	--	Sample								=	3.1	=	3.3	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L			
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	5.275	=	7.402	03 - MGD								0	03/07 - Three Per Week	CN - Continuous
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD										
																			99/99 - Continuous	RC - Recorder (auto)

					Value NODI																
51040	E. coli	1 - Effluent Gross	0	--	Sample								=	2.0	=	3.0	13 - #/100mL	0	03/07 - Three Per Week	GR - Grab	
					Permit Req.								<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL		03/07 - Three Per Week	GR - Grab	
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	163.0	=	262.0	26 - lb/d			=	4.0	=	5.0	19 - mg/L	0	03/07 - Three Per Week	CP - Composite	
					Permit Req.	<=	751.0 MO AVG	<=	1127.0 MX WK AV	26 - lb/d			<=	10.0 MO AVG	<=	15.0 MX WK AV	19 - mg/L		03/07 - Three Per Week	24 - 24 Hour Composite	
					Value NODI																
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample								=	94.0	=	105.0	19 - mg/L	0	03/07 - Three Per Week	CP - Composite	
					Permit Req.									Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L		03/07 - Three Per Week	24 - 24 Hour Composite	
					Value NODI																
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample							=	96.0				23 - %	0	03/07 - Three Per Week	CA - Calculated	
					Permit Req.								>=	85.0 MO AV MN					23 - %	01/30 - Monthly	CA - Calculated
					Value NODI																
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample							=	97.0				23 - %	0	03/07 - Three Per Week	CA - Calculated	
					Permit Req.								>=	85.0 MO AV MN					23 - %	01/30 - Monthly	CA - Calculated
					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
HC_Cover_7_26.pdf	pdf	329603.0
HITE_CREEK_OVERFLOW_REPORT_7_26.pdf	pdf	118521.0
HCMOR072026.xls	xls	328192.0

Report Last Saved By

Hite Creek WQTC MSD

User:

ALEX.SMITHER@LOUISVILLEMSD.ORG

Name:

Charles Smither

E-Mail:

alex.smither@louisvillemسد.org

Date/Time:

2026-08-13 09:00 (Time Zone: -04:00)

Report Last Signed By

User:

ALEX.SMITHER@LOUISVILLEMSD.ORG

Name:

Charles Smither

E-Mail:

alex.smither@louisvillemسد.org

Date/Time:

2026-08-21 13:58 (Time Zone: -04:00)

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: July 2026
 KPDES PERMIT NUMBER KY0022420 PLANT CAPACITY 4.4 MGD RECEIVING STREAM HITE CREEK

DATE	TOTAL 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) x 1000	MLVSS (mg/L) x 1000	30 MIN.	60 MIN.	GALLONS x 1000	RAW			HAULED			NH3-N (mg/L)	E. Coli (mg/L)	Phosphorus mg/L	Hardness as CaCO3	Chromium, Hexavalent	EFF Total Nitrogen
																		GAL/DAY x 1000	MLSS x1000								GAL/DAY x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000						
1	6.434																		8240	91000	1.8	2130	1840	220														
2	6.012				7.5					8.8		113		3	82		3		13040	91000	2.8	2030	1770	220							0.25	1					9.4	
3	5.671				7.6					8.9		104		3	78		3		11940	91000	3.6	2160	1870	200							0.25	3						
4	4.676																		10390	90000	2.9	2130	1920	200														
5	4.625																		11340	90000	2.9	2030	1800	200														
6	5.336				7.1					8.9		206		4	155		3		6330	80000	2.5	1960	1660	190							0.25	6						
7	4.999																		7680	90000	3.1	1910	1660	180														
8	5.787																		6830	91000	2.8	2080	1800	180														
9	5.927				7.5					8.5		85		4	65		3		9610	80000	2.8	1880	1690	170							0.25	1	0.358				15.8	
10	7.384				7.1					8.5		116		5	57		5		12770	80000	2.8	1550	1370	160							0.32	2						
11	7.448																		9950	70000	2.7	1610	1360	160														
12	6.122																		9600	70000	2.9	1760	1520	150														
13	5.669				7.7					8.8		124		6	88		7		9780	70000	3.4	1870	1620	180							0.25	4						
14	5.331																		8540	80000	3.1	1930	1690	180										201	0.005			
15	5.288																		8550	80000	3	2020	1770	200														
16	5.111				7.3					8.6		152		3	83		3		6200	81000	3.1	1930	1660	190							0.25	1	0.206					
17	5.091											191		3	102		3		11260	60000	3.6	2060	1800	200								6						
18	5.573																		10980	60000	4.5	1940	1700	180														
19	4.9																		9250	90000	2.6	2200	1910	200														
20	4.801				6.8					8.6		200		3	126		3		5880	80000	1.9	2070	1750	200														
21	5.766																		4260	60000	3.6	1890	1650	190														
22	5.95																		11460	91000	2.9	4500	3790	200														
23	5.023				7.5					8.9		208		3	95		3		10180	50000	3.5	1820	1570	180									0.393					
24	4.883				7.7					8.5		136		3	123		3		7220	60000	3.1	1930	1690	200														
25	4.932																		6650	60000	3.2	1840	1540	180														
26	4.347																		12360	70000	2.6	2000	1640	180														
27	4.838				7.7					8.6		65		4	75		3		7120	60000	1.8	2170	1910	200														
28	4.805																		7220	76000	2.6	2500	2150	220														
29	4.758																		7690	120000	2.9	2470	2070	200														
30	4.393																		10370	120000	3.7	2090	1790	170														
31	4.333																		6150	70000	1.9	2520	2130	160														
Tot.	166.2																																					
Avg.	5.362				7.4					8.7		142		4	94		4		8995	79096.77	2.923	2096	1809	188.4							0.26	2	0.32	201.00	0.005	12.64		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

51064 24748 30166
FLOW CBOD TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE

NAME OF TREATMENT PLANT Hite Creek

COUNTY Jefferson

Month of:

Avg. Flow: 5.36

		Sludge Disposal	
Date	Rainfall	in Gallons	Remarks
1		0	
2		0	
3		0	
4		0	
5		0	
6		0	
7		0	
8		0	
9		0	
10		0	
11		0	
12		0	
13		0	
14		0	
15		0	
16		0	
17		0	
18		0	
19		0	
20		0	
21		0	
22		0	
23		0	
24		0	
25		0	
26		0	
27		0	
28		0	
29		0	
30		0	
31		0	



IMSAST0004
Overflow Report
7/1/2026 12:00:00 AM to 7/31/2026 12:00:00 AM

KPDES #	Facility ID	Water Quality Treatment Center			Recieving Steam of Discharge		Region				
KY0022420	WQTCHC	HITE CREEK WQTC			HITE CREEK		JEFFERSON				
Facility Type	Facility ID	Facility Address				Recieving Stream			Discharge To		
Sewer Lift Station	SSPSHC-BRCR	5000 CHAMBERLAIN LN				WOLF PEN BRANCH			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	4124064		7/7/2026 11:56:00 PM	BROADEN	BROADEN	REPAIRED - ISSUE RESOLVED	7/8/2026 12:00:00 AM	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHARGE-WATERS	07/08/26 12:28 AM	

Discharge Reporting:

Discharge Amount:	1,200 GAL
Cause:	ELECTRICAL PROBLEM WITH MSD EQUIPMENT (PUMP FAILURE).
Clean Up:	DISCLN 4124067.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND WET WELL.
Repair:	REPAIRED THE MOTOR.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

7/8/26 1:00 AM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO: DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
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IMSAST0004
Overflow Report
7/1/2026 12:00:00 AM to 7/31/2026 12:00:00 AM

KPDES #	Facility ID	Water Quality Treatment Center			Receiving Stream of Discharge		Region				
KY0022420	WQTCHC	HITE CREEK WQTC			HITE CREEK		JEFFERSON				
Facility Type	Facility ID	Facility Address					Receiving Stream		Discharge To		
Sewer Lift Station	SSPSHC-BRCR	5000 CHAMBERLAIN LN					WOLF PEN BRANCH		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	4124082		7/8/2026 7:23:00 AM	SANTEE	SANTEE	REPAIRED - ISSUE RESOLVED	7/8/2026 12:00:00 AM	MECHANICAL FAILURE	UNAUTHORIZED DISCHARGE-WATERS	07/08/26 01:25 PM	

Discharge Reporting:

Discharge Amount:	9,050 GAL
Cause:	MECHANICAL FAILURE (ASSET PUMP FAILURE).
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA DISCLN 4124067.
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.
Impact:	SEWAGE/DEBRIS/SOLIDS/PERSONAL HYGIENE PRODUCTS FOUND AROUND WET WELL.
Repair:	REBUILD PUMP STATION.
Public Notification:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.

Notifications:

7/8/26 1:00 PM	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV
7/8/26 1:00 PM	DISSNO	WAITING TO COMPLETE THE DISCHARGE INFORMATION