



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

April 18, 2025

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for March 2025.**

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 2025.

There were no overflows, exceedances or overflows.

Also attached is the first quarter bio monitoring results.

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

Sincerely,

Curt Otto
Process Supervisor

CEO/ Hite Creek. 3/25.

cc: B. Tinnell
V. Graves
M. Saylor

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.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

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:

001-2B
QUARTERLY BIOMONITORING

Report Dates & Status

Monitoring Period:

From 01/01/25 to 03/31/25

DMR Due Date:

04/28/25

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

James

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			
61406	Toxicity, final conc toxicity units	1 - Effluent Gross	0	--	Sample										<	1.0	2G - tox chronic	0	01/90 - Quarterly	24 - 24 Hour Composite
					Permit Req.										<=	1.0 MAXIMUM	2G - tox chronic		01/90 - Quarterly	24 - 24 Hour Composite
					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
HCbiorptfeb2025.pdf	pdf	8135084.0

Report Last Saved By

Hite Creek WQTC MSD

User:

CURT.OTTO@LOUISVILLEMSD.ORG

Name:

Curt Otto

E-Mail:

curt.otto@louisvillemسد.org

Date/Time:

2025-04-22 08:31 (Time Zone: -04:00)

Report Last Signed By

User:

CURT.OTTO@LOUISVILLEMSD.ORG

Name:

Curt Otto

E-Mail:

curt.otto@louisvillemسد.org

Date/Time:

2025-04-22 08:32 (Time Zone: -04:00)

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Permit

Permit #:
Major:

KY0022420
Yes

Permittee:
Permittee Address:

Hite Creek WQTC MSD
700 W Liberty St
Louisville, KY 40203

Facility:
Facility Location:

HITE CREEK WQTC MSD
5512 HITT LN
LOUISVILLE, KY 40285

Permitted Feature:

001
External Outfall

Discharge:

001-1B
SANITARY WASTEWATER

Report Dates & Status

Monitoring Period:

From 03/01/25 to 03/31/25

DMR Due Date:

04/28/25

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:
Last Name:

James
Parrott

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI: --

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						=	9.0					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						=	7.3			=	7.5	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	=	547.0	=	762.0	26 - lb/d			=	11.0	=	17.0	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								=	114.0	=	143.0	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								=	7.0	=	9.0	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								=	23.0	=	26.0	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	2	--	Sample								=	0.5	=	0.7	19 - mg/L	0	03/07 - Three Per Week	CP - Composite
					Permit Req.								<=	5.0 MO AVG	<=	7.5 MX WK AV	19 - mg/L			
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	2	--	Sample								=	0.4	=	0.5	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Permit Req.								<=	2.0 MO AVG	<=	3.0 MX WK AV	19 - mg/L			
					Value NODI															
00665	Phosphorus, total [as P]	G - Raw Sewage Influent	2	--	Sample								=	2.9	=	3.7	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	=	5.571	=	11.687	03 - MGD								0	99/99 - Continuous	CN - Continuous
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD										

					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample								=	7.0	=	19.0	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	=	227.0	=	351.0	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								=	124.0	=	172.0	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	01/30 - Monthly	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						=	90.0					23 - %	0	01/30 - Monthly	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
HCMOR032025.pdf	pdf	73751.0
HiteCreekCoverLetterMarch2025.pdf	pdf	38871.0

Report Last Saved By

Hite Creek WQTC MSD

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemسد.org

Date/Time: 2025-04-22 08:32 (Time Zone: -04:00)

Report Last Signed By

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemسد.org

Date/Time: 2025-04-22 08:32 (Time Zone: -04:00)

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: March 2025
 KPDES PERMIT NUMBER KY0022420 PLANT CAPACITY 4.4 MGD RECEIVING STREAM HITE CREEK

DATE	TOTAL FLOW EFF (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		WASTE D	DISOLVED OXYGEN (mg/L)	MLSS (mg/L)	MLVSS (mg/L) X 1000	SETTLED SLUDGE VOLUME		RAW			HAULED			NH3-N (mg/L)	E.coli (COLONIES/100ML)	Phosphorus mg/L	Nitrogen	Chromium, Hexavalent	
																		GAL/DAY	MLSS					30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000						
1	4.787			7.4														1.86	8660	100000	2.30	2880		280													
2	4.347			7.5	7.5				10.0									1.84	9160	100000	3.80	2900		290													
3	4.646			7.4	7.4				10.1			107		16	151		7	1.81	7960	100000	3.70	3270		270								0.2	14	0.387	9.06		
4	4.477			7.2	7.4				9.8			172		14	199		4	1.91	7030	100000	2.50	3030		270								0.3	5				
5	5.558											151		21	167		3	2.00	10840	100000	2.20	2970		270							0.2	7					
6	5.19																	1.96	9250	100000	2.70	2900	2480	270													
7	5.023																	1.95	10560	100000	2.10	3010	2590	270													
8	4.787																	1.93		100000	2.90			260													
9	4.443																	1.89		100000	2.60			260													
10	4.692			7.2	7.5				9.9			133		12	131		6	1.87		100000	3.00			280							0.27	15	0.348	7.64			
11	4.499			7.2	7.5				9.0			88		13	157		5	1.93	7860	100000	2.50	2890	2570	260							0.6	1					
12	4.534			7.3	7.4				9.3			138		11	160		3	1.96	5880	100000	2.20	2970	2550	300							0.66	7				0.006	
13	4.495																	1.95	5770	100000	2.40	2880	2500	260													
14	4.452																	1.91	7370	100000	2.40	3550	2930	300													
15	5.888																	2.52		100000	1.40			300													
16	11.69			7.0	7.4				9.6									4.22		100000	2.40			290													
17	8.211			7.3	7.3				10.7			70		12	55		6	4.18	8120	100000	4.50	2820	2390	260							1.1	22	0.409				
18	7.126			7.2	7.5				10.7			94		9	67		4	4.27	5620	100000	5.50	2700	2390	270							0.87	25			5.78		
19	6.304											104		8	77		6	4.31	9120	100000	3.50	3110	2700	280							0.2	13					
20	6.229																	4.29	7280	100000	3.10	2950	2530	280													
21	5.585																	3.48	5950	100000	3.50	4480	3860	260													
22	5.329				7.5				10.2									4.30		100000	3.20			320													
23	5.478			7.4	7.4				10.0									4.30		100000	2.10			300													
24	6.426			7.3	7.4				10.3			67		4	106		3	4.23		100000	2.20			330							0.49	6	0.527	7.42			
25	5.698			7.2	7.5				10.1			116		6	108		3	4.19	8930	110000	2.70	3160	2900	360							0.38	1					
26	5.315			7.3								128		6	104		3	3.82	7800	100000	3.00	3090	2740	350							0.36	8					
27	4.95			7.5														2.03	10750	100000	2.60	3570	3070	340													
28	4.74			7.5														1.98	9680	121000	2.90	6790	5830	370													
29	4.28			7.5														2.18	5700	100000	3.20	3000	2630	350													
30	5.119			7.4														4.41	6750	140000	3.20	6950	6070	340													
31	8.41			7.2														4.40	6860	100000	4.60	2940	2520	300													
Tot.	172.7																	89.89																			
Avg.	5.571			7.3	7.4				10.0			114		11	124		4	2.9	7952	102290	2.932	3427	3069	294.8							0.47	7	0.42	7.475	0.006		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

53058

33754

25223

Scott Reed

25712

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

FLOW

CBOD

TSS

OPERATOR

CERT. NO.

502-540-6000

PLANT TELEPHONE