



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

May 16, 2025

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

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

There were no bypasses, exceedances or overflows.

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. 4/25.

cc: B. Tinnell
V. Graves
M. Saylor

NAME OF TREATMENT PLANT HITE CREEK WTPCOUNTY JEFFERSONMONTH OF: April 2025KPDES PERMIT NUMBER KY0022420PLANT CAPACITY 4.4 MGDRECEIVING 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		WAST ED	DISSOLVED OXYGEN (mg/L)	MLSS (mg/L) x 1000	MLVSS (mg/L) x 1000	SETTLED SLUDGE VOLUME		RAW			HAULED			NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Phosphorus mg/L	Nitrogen	
																		GAL/DAY MGD	MLSS					30 MIN.	60 MIN.	GALLONS x 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS	WITHDRAWN GALLONS x 1000					
1	6.748				7.4				10.0									4.337	6710	140000	4.4	3040	2650	340												
2	6.089			112.0	7.4				10.0			112		11	90		3	3.91	7110	100000	2.8	3810	3260	310								0.2	1	0.264	6.11	
3	11.76			146.0								146		10	134		7	4.529	7780	0	2.8	3970	3420	300							0.66	38				
4	20.91			128.0								128		6	112		6	4.35	8750	71000	9.1	6750	5600	290							0.27	24				
5	22.14																	4.275		80000	9.1			270												
6	24.09																	6.158		80000	8.3			170												
7	20				7.4				10.1									5.484	8770	100000	9.4	2960	2300	230												
8	15.5																	4.167	11970	120000	8.6	7150	5360	250												
9	14.11			53.0	7.7				10.9			53		5	34		3	4.179	9430	120000	8.7	2670	2020	270							0.44	2	0.208	4.84		
10	13.02			53.0	7.4				9.2			53		3	46		3	4.219	10170	120000	7.2	4410	3460	260							0.93	1				
11	12.22			58.0								58		4	54		3	4.183	7330	120000	6.8	2930	2300	260							0.2	5				
12	11.64																	4.185		120000	2.6			260												
13	10.48																	4.158		120000	2.6			250												
14	6.228																	4.271	8110	120000	2.6	3770	3050	340												
15	5.678				7.7				9.6									3.263	8980	120000	3	6850	5360	330												
16	5.388			133.0	7.4				9.6			133		11	157		3	1.931	7310	120000	2.1	3920	3200	310							0.2	7	0.2	7.38		
17	5.324			464.0	7.6				9.5			464		5	120		3	1.98	10900	120000	2.4	4490	3730	300							0.36	3				
18	5.09			145.0	7.4				9.6			145		5	158		3	1.976	8510	120000	2.4	4560	3760	400							0.71	9				
19	4.804				7.6				9.4									1.817		120000	2			250												
20	4.582				7.6				9.5									1.958		120000	2			250												
21	4.577				7.6													1.95	9110	120000	2.7	5100	4380	300												
22	4.756				7.6				9.5									1.914	8070	120000	3.3	3500	2960	270												
23	4.682			220.0	7.5				8.8			220		6	175		4	1.978	6090	100000	2.2	2690	2250	250							0.25	5	0.244	8.82		
24	5.516			172.0	7.2				9.5			172		7	162		3	2.01	6920	100000	3.2	2800	2350	280							0.2	9				
25	7.084			176.0	7.2				9.1			176		8	143		4	1.995	9180	100000	2.4	3270	2800	270							0.44	326				
26	6.514																	1.957	9250	100000	2.4	3210	2730	240												
27	5.487																	1.953	7160	100000	2.6	4280	3650	240												
28	5.289				7.1				9.3									1.78	8220	100000	2.7	2460	2080	240												
29	5.167				7.5				8.7									2.034	8360	100000	2.5	2530	2220	230												
30	5.182				6.9													2.009	8810	90000	3	2400	1990	230												
31																																				
Tot.	280																	94.91																		
Avg.	9.335			155.0	7.4				9.5			155		7	115		4	3.164	8458.3	105367	4.197	3897	3203	273							0.41	7	0.23	6.788		

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

88901
FLOW52855
CBOD57461
TSSScott Reed
OPERATOR25712
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION502-540-6000

PLANT TELEPHONE

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 04/01/25 to 04/30/25

DMR Due Date:

05/28/25

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:

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			
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						=	6.9			=	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	=	489.0	=	862.0	26 - lb/d			=	7.0	=	9.0	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								=	155.0	=	247.0	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								=	21.0	=	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	2	--	Sample								=	0.4	=	0.5	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								=	0.2	=	0.3	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								=	2.2	=	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	=	8.545	=	21.94	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								=	7.0	=	24.0	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	=	316.0	=	628.0	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								=	115.0	=	160.0	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						=	97.0					23 - %	2	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						=	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																

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
HCMOR042025.pdf	pdf	73864.0
HCCoverApril25.pdf	pdf	35403.0

Report Last Saved By

Hite Creek WQTC MSD

User:CURT.OTTO@LOUISVILLEMSD.ORG

Name:Curt Otto

E-Mail:curt.otto@louisvillemسد.org

Date/Time:2025-05-22 11:21 (Time Zone: -04:00)

Report Last Signed By

User:CURT.OTTO@LOUISVILLEMSD.ORG

Name:Curt Otto

E-Mail:curt.otto@louisvillemسد.org

Date/Time:2025-05-22 11:21 (Time Zone: -04:00)