



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

February 14, 2025

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

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

There were no bypasses, overflows or exceedances.

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. 1/25.

Cc: V. Teague
K. Robinson
M. Saylor

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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 01/01/25 to 01/31/25

DMR Due Date:

02/28/25

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						=	10.0					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						=	6.8			=	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	=	423.0	=	501.0	26 - lb/d			=	9.0	=	11.0	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								=	140.0	=	148.0	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								=	8.0	=	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								=	27.0	=	31.0	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								=	0.3	=	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								=	0.3	=	0.4	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								=	3.2	=	3.6	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	=	5.502	=	6.353	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								=	5.0	=	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	=	162.0	=	203.0	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								=	146.0	=	177.0	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						=	98.0					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						=	93.0					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
HCMOR012025.pdf	pdf	75319.0
HCCoverletterJAN25.pdf	pdf	38222.0

Report Last Saved By

Hite Creek WQTC MSD

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemSD.org

Date/Time: 2025-02-18 09:14 (Time Zone: -05:00)

Report Last Signed By

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemSD.org

Date/Time: 2025-02-21 09:53 (Time Zone: -05:00)

NAME OF TREATMENT PLANT HITE CREEK WTPCOUNTY JEFFERSONMONTH OF: January 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		MLVSS Gal. MAST 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	Total 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	5.88			7.3	7.5				10.3									3.82	2830	90000	2.6	3740	3190	210												
2	5.8			7.3	7.7				10.2		105		7	112		4	3.84	3760	90000	2.7	3130	2670	230							0.2	1	0.2	6.95			
3	5.73										144		5	125		4	3.02	6920	90000	2.7	3540	3000	260							0.2	2					
4	5.42			7.4													1.86	9850	90000	2.9	6130	5170	300													
5	4.94			7.3	7.6				10.2								1.83	6890	90000	2.8	3480	2930	300													
6	5.22			7.3							152		8	168		4	1.8	11130	100000	3.1	3370	2860	280							0.41	1					
7	5.11			7.4													1.68	10910	100000	3.1	3250	2750	270													
8	5.24			7.4	7.4				10.4								1.71	11640	100000	2.9	3080	2660	230													
9	5.01			7.2	7.6				10.3		133		8	119		4	1.72	5300	100000	3.6	3340	2860	260							0.22	1	0.31	8.21			
10	4.99			7.5	7.4				10.3		143		8	206		5	1.83	9440	0	4.6	3080	2630	260							0.3	4					
11	5.17			7.1														0	2.2				260													
12	4.96			7.2	7.4				9.8								1.84	4360	0	3	3800	3240	330													
13	5.58			7.5							149		18	205		5	1.73	12080	100000	2.7	4150	3540	350							0.38	1					
14	5.48			7.6													1.7	10660	100000	4.1	3060	2610	280													
15	5.35			7.4	7.6				9.8								1.83	7970	100000	2.4	3890	3110	280													
16	5.32			7.4	7.3				10.0		160		9	158		3	1.83	7760	90000	3.9	3160	2780	280							0.22	7	0.32	8.92			
17	5.34			7.5	7.2				9.9		144		14	52		2	1.83	11190	90000	4.2	3410	2930	270							0.24	18					
18	8.84			7.4													2.65	13170	90000	2.1	4780	4100	270													
19	7.77			7.3	7.4				10.2								4.03		90000	5.9			280													
20	6.52			7.3	7.2				10.1								3.98	11930	100000	2.7	3640	3090	290													
21	6.09			7.2	7.2				10.5		141		6	110		3	3.95	6800	90000	4.9	3620	3120	310							0.27	12					
22	5.85			7.2	7.4				10.4								3.95	8870	100000	4.4	3270	2790	310													
23	5.62										130		10	152		4	4.87	12940	100000	2.5	3530	3000	300							0.38	28	0.35	7.12			
24	5.46										111		13	116		2	1.8	10040	100000	2.5	3780		250							0.43	23					
25	5.42			7.2	7.2				9.8								1.91		70000	2.8			250													
26	4.93			7.2	7.4				9.9								1.95		106000	2.8			280													
27	5.18			7.2	6.8				10.1		168		6	225		3	1.99	9970	60000	2.9	4030	3470	300							0.65	10					
28	5.06																1.98	9770	90000	3	3640	3090	350													
29	5.05																2.06		0	3			330													
30	5.92																2.41	8910	100000	2.5	3790	3220	340													
31	11.5																4.51	9270	90000	2.5	3540	3040	330													
Tot.	180																75.9																			
Avg.	5.8			7.3	7.4				10.1		140		9	146		4	2.53	9013.8	81161	3.16	3663	3114	285							0.33	5	0.29	7.80			

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

55227
FLOW41440
CBOD32242
TSSScott Reed
OPERATOR25712
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

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

PLANT TELEPHONE