



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

November 13, 2024

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for October 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 October 2024.

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. 10/24.

Cc: V. Teague
K. Robinson
M. Saylor

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: October 2024
 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		WASTE D	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 mg/L					MLVSS MGD	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS	% VOLATILE SOLIDS					WITHDRAWN GALLONS X 1000
1	6.2			7.0	7.6				8.4									2.7	5390	80000	2.8	###	###	200												
2	5.4			7.4	7.6				8.6		112		26	88		7	1.7	8380	80000	2.8	###	###	230								0.3	1		9.13		
3	5			7.5	7.6				8.0		72		6	95		5	1.7	9500	80000	3.1	###	###	210								0.2	19				
4	4.7										176		8	138		5	1.7	8020	80000	2.5	###	###	210								0.2	1				
5	4.3																1.6		80000	2.9			200								1	0.4				
6	4.1																1.6		80000	2.7			200									0.3				
7	4.2																1.6	8220	80000	2.7	###	###	210													
8	4.1			7.1	7.6				8.0								1.6	7230	80000	2.8	###	###	160													
9	4.4			7.5	7.5				8.3		150		8	132		5	1.7	5240	80000	2.7	###	###	200							0.4	1	0.3	10.6			
10	4.3			7.4	7.4				8.0		188		7	85		3	1.7	10600	80000	2.9	###	###	200							0.2	1					
11	4.3			7.4							248		6	116		4	1.7	9810	70000	2.6	###	###	190							0.2	14					
12	4.2																1.6	10000	70000	3.7	###	###	200													
13	3.8			7.5													1.7	5160	70000	1.8	###	###	200													
14	4.2			7.2													1.7	10350	70000	3.1	###	###	170													
15	4.3			6.8	7.2				8.0								1.6	7070	60000	2.3	###	###	170													
16	4.4			7.4	7.5				8.0		94		12	96		9	1.7	7140	70000	2.5	###	###	190							0.3	5	0.4	11.8			
17	4.1			7.5	7.4				8.0		174		8	153		5	1.7	9870	70000	2.2	###	###	140							0.2	5					
18	4.3			7.4							180		9	148		5	1.6	5590	80000	2.5	###	###	190							0.2	5					
19	4.2			7.4													1.7	7330	80000	3.2	###	###	200													
20	3.7			7.3													1.7	6980	80000	3.2	###	###	200													
21	4.1			7.1													1.7	4220	60000	2.4	###	###	150													
22	4.4			7.0	7.4				8.5								1.6	4590	208000	3.3	###	###	190													
23	4.1			7.3	7.4				8.4		92		10	126		7	1.7	8030	0	2.8	###	###	180							0.2	1	0.1	9.93			
24	4.2			7.4	7.2				7.0		172		8	160		6	1.7	6270	60000	2.1	###	###	180							0.2	4					
25	4			7.4							128		7	138		6	1.7	8280	70000	3	###	###	170							0.2	2					
26	4.3																1.7	7620	70000	2.6	###	###	180													
27	3.8																1.6	5820	70000	2.5	###	###	190													
28	4.1																1.8	15570	90000	3.3	###	###	90													
29	4.1																1.8	6570	100000	2.9	###	###	150													
30	4																1.8	4200	100000	2.3	###	###	200													
31	4.4																1.8	5310	100000	2.2	###	###	180													
Tot.	134																53																			
Avg.	4.3			7.3	7.5				8.1		149		10	123		6	1.7	7530	78968	2.7	###	###	185							0.23	3	0.30	10.365			

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

41069 26003 25489
FLOW CBOD TSS

Scott Reed
OPERATOR

25712
CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

502-540-6000
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 10/01/24 to 10/31/24

DMR Due Date:

11/28/24

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						=	7.0					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						=	7.2			=	7.6	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	=	364.0	=	576.0	26 - lb/d			=	10.0	=	13.0	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					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								=	149.0	=	195.0	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					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								=	10.0	=	12.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					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								=	29.0	=	32.0	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					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								=	0.2	=	0.3	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS
					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								=	0.3	=	0.4	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					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								=	3.4	=	3.6	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					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	=	3.955	=	4.511	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon MX WK AV	03 - MGD										

					Value NODI																	
51040	E. coli	1 - Effluent Gross	0	--	Sample									=	3.0	=	5.0	13 - #/100mL	0	03/07 - Three Per Week	GR - GRAB	
					Permit Req.									<=	130.0 30DA GEO	<=	240.0 7 DA GEO	13 - #/100mL				
					Value NODI																	
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	206.0	=	239.0	26 - lb/d				=	6.0	=	6.0	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					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				
					Value NODI																	
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample									=	123.0	=	141.0	19 - mg/L	0	03/07 - Three Per Week	CP - COMPOS	
					Permit Req.										Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L				
					Value NODI																	
80091	BOD, carb-5 day, 20 deg C, percent removal	K - Percent Removal	0	--	Sample									=	95.0			23 - %	0	03/07 - Three Per Week	CA - CALCTD	
					Permit Req.										>=	85.0 MO AV MN						23 - %
					Value NODI																	
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample									=	94.0			23 - %	0	03/07 - Three Per Week	CA - CALCTD	
					Permit Req.										>=	85.0 MO AV MN						23 - %
					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_CL_OCT24.pdf	pdf	37541.0
HCMOR102024.xls	xls	328192.0

Report Last Saved By

Hite Creek WQTC MSD

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemSD.org

Date/Time: 2024-11-13 11:12 (Time Zone: -05:00)

Report Last Signed By

User: CURT.OTTO@LOUISVILLEMSD.ORG

Name: Curt Otto

E-Mail: curt.otto@louisvillemSD.org

Date/Time: 2024-11-13 11:21 (Time Zone: -05:00)