



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

December 16, 2024

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

**RE: Hite Creek WQTC, KPDES No: KY0022420
Discharge Monitoring Report for November 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 November 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. 11/24.

Cc: V. Teague
K. Robinson
M. Saylor

NAME OF TREATMENT PLANT HITE CREEK WTP

COUNTY JEFFERSON

MONTH OF: November 2024

KPDES PERMIT NUMBER KY0022420

PLANT CAPACITY 4.4 MGD

RECEIVING STREAM HITE CREEK

DATE	TOTAL FLOW (MILLION GALLONS)	RAW SEWAGE		SETTLABLE 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)	MLVSS (mg/L)	SETTLED SLUDGE VOLUME		RAW			HAULED		NH3-N (mg/L)	FECAL COLIFORM (COLONIES/100ML)	Phosphorus mg/L	Total Nitrogen						
																		GAL/DAY MGD	MLSS					MLVSS Gal	30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS	% VOLATILE SOLIDS	% DRY SOLIDS					% VOLATILE SOLIDS	WITHDRAWN GALLONS X 1000				
																																					30 MIN.	60 MIN.	GALLONS X 1000	% DRY SOLIDS
1	4.46																1.91	10530	100000	2.5	3200	2730	190																	
2	4.43																1.91		100000	2.9				190																
3	4.01			7.3	7.4			8.4								1.88		100000	3.6				180																	
4	4.21			7.3	7.4			8.4		137		14	110		7	1.85	11640	100000	2.6	4150	3500	180								0.32	11	0.38	10.5							
5	4.01			7.4	7.4			8.6		203		8	149		6	1.86	7560	90000	2.7	2710	2290	180							0.2	5										
6	5.63									323		9	152		5	1.79	7110	90000	2.7	5660	5130	180							0.2	8										
7	5.61															1.76	8700	90000	3	2930	2540	180																		
8	4.87			7.3												1.87	7600	90000	2.4	3120	2680	180																		
9	4.66			7.4												1.86	10300	90000	2.5	3200	2750	180																		
10	10.1			7.3	7.4			8.9								2.81		90000	1.5				170																	
11	7.76			7.1	7.4			9.2		69		11	56		7	4.11	2670	90000	3.8	5530	4680	180							0.79	39	0.2	7.09								
12	6.22			7.3	7.7			9.0		104		8	65		4	4.1	5810	90000	3.6	2390	2030	200							0.2	6										
13	6.69			7.2						84		6	77		3	4.11	6140	90000	3.1	2540	2210	190							0.24	5										
14	16.2			7.5												4.07	13540	60000	3	2550	2220	190																		
15	10.1			7.1												4.08	7720	70000	3.6	4420	3920	150																		
16	7.67			7.2												4.05	6290	80000	2.8	3810	3220	220																		
17	6.69			7.2	7.8			9.0								4.03	10060	90000	2.4	5470	4630	240																		
18	6.17			7.4	7.6			9.2		96		7	59		3	2.56	6430	90000	2.3	3160	3160	230							0.54	1							6.59			
19	9.25				7.5			9.2		126		7	117		3	3.03	13790	70000	2.3	2670	2240	210							0.2	14										
20	7.72									107		9	87		4	4.06	8110	90000	3.1	3840	3380	220							0.2	1	0.49									
21	6.53															2.8	6040	90000	2.5	3760	3210	200																		
22	6.07															1.67	10190	100000	2.8	5660		160																		
23	5.78															1.72	6460	100000	2.5	2890	2520	230																		
24	5.25															1.71	6080	80000	2.7	2730	2350	220																		
25	5.27			7.4	7.5			9.4		110		7	174		14	1.83	9980	80000	2.2	3170	2720	220							0.2	1	0.66	6.76								
26	5.13			7.4	7.1			9.5		142		8	208		4	1.83	7680	80000	2.6	2320	2000	220							0.2	1										
27	5.04			7.3	7.3			9.2		202		7	238		5	3.8	9070	90000	2.6	3120	2630	240						0.24	11											
28	5.39															1.9	9110	95000	2.1	2910	2400	230																		
29	4.63															1.88		95000	2.6				180																	
30	4.82															1.9		80000	2.8				190																	
31																																								
Tot.	190															78.7																								
Avg.	6.34			7.3	7.5			9.0		142		8	124		5	2.62	8344.4	88333.3	2.73	3516	2964	198							0.29	5	0.43	7.735								

RESIDENTIAL
COMMERCIAL
INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT

60422

38698

35757

Scott Reed

25712

FLOW

CBOD

TSS

OPERATOR

CERT. NO.

TOTAL NUMBER OF SEWER CONNECTIONS

0

SEWER CONNECTIONS

0

X

4

=

0

SEWERED POPULATION

502-540-6000

PLANT TELEPHONE

					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample					=	5.0	=	11.0	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	=	262.0	=	332.0	26 - lb/d	=	5.0	=	8.0	19 - mg/L	0	03/07 - Three Per Week	24 - COMP24	
					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 - COMP24	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	G - Raw Sewage Influent	0	--	Sample					=	124.0	=	207.0	19 - mg/L	0	03/07 - Three Per Week	24 - COMP24		
					Permit Req.					Req Mon MO AVG		Req Mon MX WK AV	19 - mg/L	03/07 - Three Per Week		24 - COMP24			
					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 - CALCTD		
					Permit Req.					>=	85.0 MO AV MN			23 - %		01/30 - Monthly	CA - CALCTD		
					Value NODI														
81011	Solids, suspended percent removal	K - Percent Removal	0	--	Sample					=	94.0			23 - %	0	01/30 - Monthly	CA - CALCTD		
					Permit Req.					>=	85.0 MO AV MN			23 - %		01/30 - Monthly	CA - CALCTD		
					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
HCMOR1120241.pdf	pdf	80559.0
HCCoverletterNov24.pdf	pdf	36473.0

Report Last Saved By

Hite Creek WQTC MSD

User: CURT.OTTO@LOUISVILLEMSD.ORG
 Name: Curt Otto
 E-Mail: curt.otto@louisvillemsd.org
 Date/Time: 2024-12-18 10:57 (Time Zone: -05:00)

Report Last Signed By

User: CURT.OTTO@LOUISVILLEMSD.ORG
 Name: Curt Otto
 E-Mail: curt.otto@louisvillemsd.org
 Date/Time: 2024-12-18 11:04 (Time Zone: -05:00)