

Table 13
Gas Monitoring Summary
2024 Gas Monitoring Report
Adair County Sanitary Landfill (Closed)
Permit No. 01-SDP-01-74C

Monitoring Points		Methane Results (% LEL)							
Point #		3/28/2024		7/1/2024		9/25/2024		12/24/2024	
1	Scale	0		0		0		0	
2	Scale House	0		0		0		0	
3	Recycling Center	0		0		0		0	
6	NE Waste Boundary	0		0		0		0	
7	N Central Waste Boundary	0		0		0		0	
8	NW Waste Boundary	0		0		0		0	
9	W Central Waste Boundary	0		0		0		0	
10	SW Waste Boundary	0		0		0		0	
11	S Central Waste Boundary	0		0		0		0	
12	SE Waste Boundary	0		0		0		0	
13	E Central Waste Boundary	0		0		0		0	
14	MW-22	0	N	0	N	0	N	0	N
15	LFGW-W1	0	Y	0	Y	0	Y	0	Y
16	LFGW-W2	0	N	0	N	0	N	0	N
17	LFGW-W3	0	N	0	N	0	N	0	N
18	LFG-GU01	0		0		0		0	
19	LFGW-W2W	0	N	0	N	0	N	0	N
20	LFGW-W3W	54	N	92	N	44	N	23	N

S(Y/N/U) - Was screen submerged, yes or no, blank is non-applicable, and U is unknown.

Notes

- 1) **Figure 1** Methane Monitoring Network shows the location of the methane monitoring system points.
- 2) Quarterly methane monitoring is completed by Adair County Landfill and Recycling Center staff and provided to SCS Engineers for reporting.
- 3) LFGW-W3W is a subsurface methane monitoring well located between the waste boundary and landfill gas monitoring well LFGW-W3. In accordance with IAC 567-113.9(2)"a", the methane gas concentration shall not exceed 100% of the LEL at the facility property boundary. As there was no detection in LFGW-W3, which is located east of LFGW-W3W at the property boundary, there is no evidence of offsite migration or a threat to human health and/or the environment.
- 4) The screen in LFGW-W1 was submerged during the Q1, Q2, Q3, and Q4 monitoring events. The maximum water column height above the top of the screen was 2.86' during the reporting period.