

Bargo WMC

Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

Project Details

Project Number	30018124
Project Name	
Site Name	Bargo WMC
Site Location	
Client	
Inspection Series	

Inspection Details

Start Date	2025-08-27
Start Time	08:45
End Date	2025-08-27
End Time	11:39
Sampler Name	JS

General Environment Conditions

Weather Conditions Observed	Partly cloudy
Weather Station	High Range (Wanganderry)
Temperature	
Wind	
Wind Speed (Start of Monitoring) (km/h)	
Wind Speed (End of Monitoring) (km/h)	
Sky	
Air	
Barometer Sample Time	09:30
Barometric Pressure (mB)	1004
Barometric Pumping	Falling
Device Atmospheric Pressure (mB)	

Equipment Details

Instrument ID and Serial Number	SEM5000
Calibration Date	
Calibration Image	

General Details

General Comments	
General Photos	

Surface Locations

Group	Threshold
Surface Gas	500ppm (0.05 %v/v)
Gas accumulation	10000ppm (1 %v/v)
Value exceeds adopted threshold	

Identifier	Group	Time	Methane		Comments	Photos
			ppm	%v/v		
1	EPA 9 - Surface points		2.4	0.00024		
2	EPA 9 - Surface points		2.4	0.00024		
3	EPA 9 - Surface points		2.5	0.00025		
4	EPA 9 - Surface points		2.5	0.00025		
5	EPA 9 - Surface points		2.6	0.00026		
6	EPA 9 - Surface points		2.5	0.00025		
7	EPA 9 - Surface points		2.5	0.00025		
8	EPA 9 - Surface points		2.5	0.00025		
9	EPA 9 - Surface points		2.5	0.00025		
10	EPA 9 - Surface points		2.5	0.00025		
11	EPA 9 - Surface points		2.8	0.00028		
12	EPA 9 - Surface points		2.6	0.00026		
13	EPA 9 - Surface points		2.7	0.00027		
14	EPA 9 - Surface points		2.6	0.00026		
15	EPA 9 - Surface points		3.1	0.00031		
16	EPA 9 - Surface points		2.7	0.00027		
17	EPA 9 - Surface points		5.5	0.00055		
18	EPA 9 - Surface points		3.5	0.00035		
19	EPA 9 - Surface points		2.8	0.00028		
20	EPA 9 - Surface points		24.5	0.00245		
21	EPA 9 - Surface points		2.7	0.00027		
22	EPA 9 - Surface points		2.8	0.00028		
23	EPA 9 - Surface points		3.2	0.00032		
24	EPA 9 - Surface points		2.6	0.00026		
25	EPA 9 - Surface points		2.5	0.00025		
26	EPA 9 - Surface points		2.5	0.00025		
27	EPA 9 - Surface points		2.5	0.00025		
28	EPA 9 - Surface points		2.5	0.00025		
29	EPA 9 - Surface points		2.9	0.00029		
30	EPA 9 - Surface points		2.7	0.00027		
31	EPA 9 - Surface points		2.4	0.00024		
32	EPA 9 - Surface points		2.8	0.00028		
33	EPA 9 - Surface points		2.5	0.00025		
34	EPA 9 - Surface points		2.5	0.00025		
35	EPA 9 - Surface points		3.1	0.00031		

Identifier	Group	Time	Methane		Comments	Photos
			ppm	%v/v		
36	EPA 9 - Surface points		11.5	0.00115		
37	EPA 9 - Surface points		2.4	0.00024		
38	EPA 9 - Surface points		2.4	0.00024		
39	EPA 9 - Surface points		2.4	0.00024		
40	EPA 9 - Surface points		2.4	0.00024		
41	EPA 9 - Surface points		2.5	0.00025		
42	EPA 9 - Surface points		2.5	0.00025		
43	EPA 9 - Surface points		2.5	0.00025		
44	EPA 9 - Surface points		2.5	0.00025		
45	EPA 9 - Surface points		2.5	0.00025		
46	EPA 9 - Surface points		2.5	0.00025		
47	EPA 9 - Surface points		2.6	0.00026		
48	EPA 9 - Surface points		2.5	0.00025		
49	EPA 9 - Surface points		3.4	0.00034		
50	EPA 9 - Surface points		2.5	0.00025		
51	EPA 9 - Surface points		9.9	0.00099		
52	EPA 9 - Surface points		3	0.0003		
53	EPA 9 - Surface points		3.2	0.00032		
54	EPA 9 - Surface points		3.2	0.00032		
55	EPA 9 - Surface points		3.6	0.00036		
56	EPA 9 - Surface points		5.2	0.00052		
57	EPA 9 - Surface points		3.1	0.00031		
58	EPA 9 - Surface points		3.3	0.00033		
59	EPA 9 - Surface points		2.8	0.00028		
60	EPA 9 - Surface points		2.8	0.00028		
61	EPA 9 - Surface points		2.7	0.00027		
62	EPA 9 - Surface points		2.6	0.00026		
63	EPA 9 - Surface points		2.6	0.00026		
64	EPA 9 - Surface points		2.6	0.00026		
65	EPA 9 - Surface points		2.3	0.00023		
66	EPA 9 - Surface points		2.3	0.00023		
67	EPA 9 - Surface points		2.3	0.00023		
68	EPA 9 - Surface points		2.3	0.00023		
69	EPA 9 - Surface points		18.3	0.00183		
70	EPA 9 - Surface points		2.4	0.00024		
71	EPA 9 - Surface points		2.4	0.00024		
72	EPA 9 - Surface points		2.7	0.00027		
73	EPA 9 - Surface points		2.9	0.00029		
74	EPA 9 - Surface points		2.5	0.00025		
75	EPA 9 - Surface points		2.5	0.00025		
76	EPA 9 - Surface points		3	0.0003		

Identifier	Group	Time	Methane		Comments	Photos
			ppm	%v/v		
77	EPA 9 - Surface points		2.3	0.00023		
78	EPA 9 - Surface points		2.4	0.00024		
79	EPA 9 - Surface points		2.3	0.00023		
80	EPA 9 - Surface points		2.4	0.00024		
81	EPA 9 - Surface points		2.3	0.00023		
82	EPA 9 - Surface points		2.4	0.00024		
83	EPA 9 - Surface points		2.3	0.00023		
84	EPA 9 - Surface points		2.4	0.00024		
85	EPA 9 - Surface points		2.5	0.00025		
86	EPA 9 - Surface points		2.3	0.00023		
87	EPA 9 - Surface points		2.3	0.00023		
88	EPA 9 - Surface points		2.4	0.00024		
1-A1	Additional Monitoring points		2.3	0.00023		
2-A1	Additional Monitoring points		2.5	0.00025		
3-A1	Additional Monitoring points		2.8	0.00028		
4-A1	Additional Monitoring points		2.4	0.00024		
5-A1	Additional Monitoring points		2.7	0.00027		
6-A1	Additional Monitoring points		3.2	0.00032		
7-A1	Additional Monitoring points		3.5	0.00035		
8-A1	Additional Monitoring points		6.2	0.00062		
9-A1	Additional Monitoring points		3	0.0003		
10-A1	Additional Monitoring points		2.5	0.00025		
11-A1	Additional Monitoring points		2.6	0.00026		
12-A1	Additional Monitoring points		2.4	0.00024		
13-A1	Additional Monitoring points		2.3	0.00023		
14-A1	Additional Monitoring points		2.3	0.00023		
15-A1	Additional Monitoring points		2.5	0.00025		
16-A1	Additional Monitoring points		2.3	0.00023		
17-A1	Additional Monitoring points		2.5	0.00025		
18-A1	Additional Monitoring points		19.5	0.00195		
19-A1	Additional Monitoring points		2.4	0.00024		
20-A1	Additional Monitoring points		4.6	0.00046		
21-A1	Additional Monitoring points		2.9	0.00029		
22-A1	Additional Monitoring points		2.4	0.00024		
23-A1	Additional Monitoring points		2.3	0.00023		
24-A1	Additional Monitoring points		2.3	0.00023		
25-A1	Additional Monitoring points		2.5	0.00025		
26-A1	Additional Monitoring points		2.5	0.00025		
27-A1	Additional Monitoring points		2.6	0.00026		
28-A1	Additional Monitoring points		2.4	0.00024		
29-A1	Additional Monitoring points		2.4	0.00024		

Identifier	Group	Time	Methane		Comments	Photos
			ppm	%v/v		
30-A1	Additional Monitoring points		2.5	0.00025		
31-A1	Additional Monitoring points		2.8	0.00028		
32-A1	Additional Monitoring points		2.7	0.00027		
33-A1	Additional Monitoring points		2.6	0.00026		
34-A1	Additional Monitoring points		2.5	0.00025		
35-A1	Additional Monitoring points		2.5	0.00025		
36-A1	Additional Monitoring points		2.6	0.00026		
37-A1	Additional Monitoring points		2.9	0.00029		
38-A1	Additional Monitoring points		3.1	0.00031		
39-A1	Additional Monitoring points		2.9	0.00029		
40-A1	Additional Monitoring points		3.1	0.00031		
41-A1	Additional Monitoring points		3.8	0.00038		
42-A1	Additional Monitoring points		2.4	0.00024		
43-A1	Additional Monitoring points		2.7	0.00027		
44-A1	Additional Monitoring points		2.6	0.00026		
45-A1	Additional Monitoring points		2.7	0.00027		
46-A1	Additional Monitoring points		443	0.0443		
47-A1	Additional Monitoring points		2.8	0.00028		
48-A1	Additional Monitoring points		3.3	0.00033		
49-A1	Additional Monitoring points		23.2	0.00232		
50-A1	Additional Monitoring points		3.9	0.00039		
Entry Ramp	Additional Monitoring points					
7	EPA 10 - Gas Accumulation points		2.5	0.00025		

Subsurface Locations

Compound	Threshold
Methane	1% v/v
Carbon Dioxide	1.5% v/v
Value exceeds adopted threshold	

If no peak value recorded in comments, the recorded stabilised value is also the peak value.

Comments		Internal Flow (L/h)		Relative Pressure (mB)	Hydrogen Sulphide (ppm)		Carbon Monoxide (ppm)		Oxygen (%v/v)		Carbon Dioxide (%v/v)		Methane (%v/v)		Time	Identifier
		Stable	Peak	Stable	Stable	Peak	Stable	Peak	Stable	Minimum	Stable	Peak	Stable	Peak		
No subsurface locatons recorded																