

Bargo WMC

Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

Project Number	30018124
Sampling Dates	2025-02-24 13:29 to 2025-02-24 15:13
Sampler Name	HW
Weather Conditions	Cleary, sunny
Weather Station	High Range (Wanganderry)
BoM Barometric Pressure (mB)	1020 (Rising) recorded at 08:00
Device Atmospheric Pressure (mB)	
Wind Speed Start (km/h)	
Wind Speed End (km/h)	
Instrument ID	Inspectra Laser (SN#3071022)
Date of Calibration	10/04/2024
General Comments	

Surface Gas Notes
Value exceeds adopted threshold
Surface gas > 500ppm (0.05 %v/v)
Gas accumulation > 10000ppm (1 %v/v)

Landfill Gas Surface Monitoring Results				
Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
EPA 9 - Surface points				
1	1.4	0.00014		
2	1.4	0.00014		
3	1.9	0.00019		
4	1.2	0.00012		
5	1.7	0.00017		
6	1.6	0.00016		
7	2	0.0002		
8	1.9	0.00019		
9	1.7	0.00017		
10	1.3	0.00013		
11	1	0.0001		
12	1.6	0.00016		
13	1.2	0.00012		
14	1.2	0.00012		
15	1.7	0.00017		
16	1.8	0.00018		
17	1.9	0.00019		
18	1.8	0.00018		
19	1.5	0.00015		

Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
20	1.3	0.00013		
21	1.8	0.00018		
22	1.7	0.00017		
23	1.3	0.00013		
24	1.5	0.00015		
25	1.6	0.00016		
26	1.9	0.00019		
27	1.4	0.00014		
28	1.7	0.00017		
29	2.8	0.00028		
30	1.1	0.00011		
31	1.3	0.00013		
32	3.5	0.00035		
33	1.7	0.00017		
34	1.9	0.00019		
35	1.2	0.00012		
36	1.3	0.00013		
37	1.6	0.00016		
38	1.5	0.00015		
39	1.4	0.00014		
40	1.3	0.00013		
41	1.7	0.00017		
42	1.3	0.00013		
43	1.8	0.00018		
44	1.4	0.00014		
45	1.3	0.00013		
46	9.8	0.00098		
47	2.8	0.00028		
48	2.5	0.00025		
49	3	0.0003		
50	2.1	0.00021		
51	1.5	0.00015		
52	7.4	0.00074		
53	2.1	0.00021		
54	1.5	0.00015		
55	14	0.0014		
56	3.2	0.00032		
57	19.2	0.00192		
58	4.9	0.00049		

Landfill Gas Surface Monitoring Results				
Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
59	1.5	0.00015		
60	19.7	0.00197		
61	1.4	0.00014		
62	1.7	0.00017		
63	1.6	0.00016		
64	1.4	0.00014		
65	1.3	0.00013		
66	1.4	0.00014		
67	1.3	0.00013		
68	1.6	0.00016		
69	1.9	0.00019		
70	1.6	0.00016		
71	1.6	0.00016		
72	1.4	0.00014		
73	1.3	0.00013		
74	1.7	0.00017		
75	1.9	0.00019		
76	2	0.0002		
77	1.1	0.00011		
78	1.4	0.00014		
79	1.3	0.00013		
80	1.2	0.00012		
81	1.3	0.00013		
82	1.8	0.00018		
83	1.5	0.00015		
84	1.6	0.00016		
85	1.8	0.00018		
86	1.4	0.00014		
87	1.9	0.00019		
88	1.3	0.00013		
Additional Monitoring points				
1-A1	1.4	0.00014		
2-A1	1.6	0.00016		
3-A1	2.1	0.00021		
4-A1	2.5	0.00025		
5-A1	2.1	0.00021		
6-A1	1.7	0.00017		
7-A1	1.6	0.00016		
8-A1	1.5	0.00015		

Landfill Gas Surface Monitoring Results				
Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
9-A1	1.6	0.00016		
10-A1	1.5	0.00015		
11-A1	1.8	0.00018		
12-A1	1.7	0.00017		
13-A1	2.2	0.00022		
14-A1	2.7	0.00027		
15-A1	1.4	0.00014		
16-A1	2.2	0.00022		
17-A1	1.8	0.00018		
18-A1	2	0.0002		
19-A1	2.6	0.00026		
20-A1	1.8	0.00018		
21-A1	1.7	0.00017		
22-A1	2.2	0.00022		
23-A1	1.2	0.00012		
24-A1	1.7	0.00017		
25-A1	1.6	0.00016		
26-A1	34.6	0.00346		
27-A1	622	0.0622		
28-A1	2.3	0.00023		
29-A1	1.4	0.00014		
30-A1	1.9	0.00019		
31-A1	2.5	0.00025		
32-A1	9.8	0.00098		
33-A1	1.7	0.00017		
34-A1	2.6	0.00026		
35-A1	1.7	0.00017		
36-A1	1.5	0.00015		
37-A1	1.8	0.00018		
38-A1	1.6	0.00016		
39-A1	2.1	0.00021		
40-A1	2.1	0.00021		
41-A1	2.4	0.00024		
42-A1	1.6	0.00016		
43-A1	1.7	0.00017		
44-A1	1.9	0.00019		
45-A1	1.6	0.00016		
46-A1	1	0.0001		
47-A1	1.6	0.00016		

Landfill Gas Surface Monitoring Results				
Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
48-A1	1.7	0.00017		
49-A1	1.6	0.00016		
50-A1	1.7	0.00017		
Entry Ramp	4.2	0.00042		
Septic tank	2.5	0.00025		
EPA 10 - Gas Accumulation points				
1	1.3	0.00013		
2	1.4	0.00014		
3	1.5	0.00015		
4	1.5	0.00015		
5	1.6	0.00016		
6	1.5	0.00015		
7	1.4	0.00014		