

Bargo WMC

Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

Project Number	30018083
Sampling Dates	2024-01-09 09:27 to 2023-11-16 12:34
Sampler Name	HW
Weather Conditions	Light rain, overcast
Weather Station	High Range (Wanganderry)
BoM Barometric Pressure (mB)	1012 (Rising) recorded at 09:00
Device Atmospheric Pressure (mB)	
Wind Speed (km/h)	9
Instrument ID	Geotech SEM5000
Date of Calibration	

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	2.2	0.00022		
2	2.5	0.00025		
3	1.9	0.00019		
4	2.2	0.00022		
5	2.4	0.00024		
6	2.2	0.00022		
7	2.4	0.00024		
8	2.5	0.00025		
9	2.3	0.00023		
10	2	0.0002		
11	2.2	0.00022		
12	2	0.0002		
13	2.9	0.00029		
14	2.5	0.00025		
15	2	0.0002		
16	1.8	0.00018		
17	1.9	0.00019		
18	1.6	0.00016		
19	1	0.0001		
20	2.4	0.00024		
21	2.1	0.00021		
22	2.3	0.00023		

Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
23	2.1	0.00021		
24	2.2	0.00022		
25	2.1	0.00021		
26	1.9	0.00019		
27	2.2	0.00022		
28	2	0.0002		
29	12.5	0.00125		
30	2.5	0.00025		
31	2.6	0.00026		
32	2.6	0.00026		
33	2.5	0.00025		
34	2.2	0.00022		
35	2.4	0.00024		
36	1.9	0.00019		
37	2.2	0.00022		
38	2	0.0002		
39	2.4	0.00024		
40	2.3	0.00023		
41	2.5	0.00025		
42	2.4	0.00024		
43	2.4	0.00024		
44	2.6	0.00026		
45	2.5	0.00025		
46	1.9	0.00019		
47	1.9	0.00019		
48	2.1	0.00021		
49	2.2	0.00022		
50	2.5	0.00025		
51	2.1	0.00021		
52	2.5	0.00025		
53	2	0.0002		
54	2.3	0.00023		
55	13.1	0.00131		
56	2.5	0.00025		
57	9.2	0.00092		
58	2.4	0.00024		
59	2.5	0.00025		
60	4.2	0.00042		
61	2.1	0.00021		
62	2.1	0.00021		

Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
63	2.1	0.00021		
64	2.2	0.00022		
65	2.4	0.00024		
66	2	0.0002		
67	2.4	0.00024		
68	2.4	0.00024		
69	2.4	0.00024		
70	2.2	0.00022		
71	2.1	0.00021		
72	1.8	0.00018		
73	9.3	0.00093		
74	4.5	0.00045		
75	2	0.0002		
76	2.1	0.00021		
77	2.4	0.00024		
78	2.2	0.00022		
79	2	0.0002		
80	3.1	0.00031		
81	2.1	0.00021		
82	2.3	0.00023		
83	15.8	0.00158		
84	4.1	0.00041		
85	2	0.0002		
86	2.2	0.00022		
87	2.5	0.00025		
88	2.2	0.00022		
Additional Monitoring points				
1-A1	1.9	0.00019		
2-A1	2.4	0.00024		
3-A1	2.4	0.00024		
4-A1	2.5	0.00025		
5-A1	2.9	0.00029		
6-A1	2.3	0.00023		
7-A1	2.3	0.00023		
8-A1	2.1	0.00021		
9-A1	2.2	0.00022		
10-A1	2.2	0.00022		
11-A1	2.1	0.00021		
12-A1	2.6	0.00026		
13-A1	1.9	0.00019		

Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
14-A1	2	0.0002		
15-A1	2.1	0.00021		
16-A1	2	0.0002		
17-A1	1.9	0.00019		
18-A1	2.4	0.00024		
19-A1	12.1	0.00121		
20-A1	1.6	0.00016		
21-A1	2.2	0.00022		
22-A1	2.2	0.00022		
23-A1	2.5	0.00025		
24-A1	2.4	0.00024		
25-A1	1.9	0.00019		
26-A1	106.5	0.01065		
27-A1	15.2	0.00152		
28-A1	1.2	0.00012		
29-A1	1.7	0.00017		
30-A1	2.5	0.00025		
31-A1	2.4	0.00024		
32-A1	2.1	0.00021		
33-A1	2.2	0.00022		
34-A1	2.6	0.00026		
35-A1	2.4	0.00024		
36-A1	2.1	0.00021		
37-A1	2.3	0.00023		
38-A1	2.4	0.00024		
39-A1	2.6	0.00026		
40-A1	2.1	0.00021		
41-A1	2.2	0.00022		
42-A1	2.4	0.00024		
43-A1	2.6	0.00026		
44-A1	2.3	0.00023		
45-A1	2.1	0.00021		
46-A1	2.1	0.00021		
47-A1	2.3	0.00023		
48-A1	2.5	0.00025		
49-A1	2.6	0.00026		
50-A1	3.1	0.00031		
84A-5	1.7	0.00017		
Entry Ramp	2.2	0.00022		
Septic tank	2.1	0.00021		

Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
83A-1	2.1	0.00021		
52-1	2.2	0.00022		
52-2	2.1	0.00021		
52-3	2.3	0.00023		
52-4	2.5	0.00025		
EPA 10 - Gas Accumulation points				
1	2.1	0.00021		
2	2	0.0002		
3	2.1	0.00021		
4	2	0.0002		
5	1.9	0.00019		
6	2.2	0.00022		
7	2.1	0.00021		

