

## Bargo WMC

### Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

<b>Project Number</b>	30012992
<b>Date</b>	2022-01-11
<b>Sampler Name</b>	Anthony Yu
<b>Time Period</b>	08:50 - 11:00
<b>Weather Conditions</b>	Partly cloudy calm wind. Chance of thunderstorm early afternoon
<b>Weather Station</b>	High Range (Wanganderry)
<b>Barometric Pressure (mB)</b>	1019.1
<b>Wind Speed (km/h)</b>	0
<b>Instrument ID</b>	Inspectra Laser SN16233
<b>Date of Calibration</b>	2021-11-17

#### 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		
<b>EPA 9 - Surface points</b>				
1	2.2	0.00022		
2	2.1	0.00021		
3	2.1	0.00021		
4	2.1	0.00021		
5	2.1	0.00021		
6	2.1	0.00021		
7	2	0.0002		
8	2	0.0002		
9	2	0.0002		
10	2	0.0002		
11	2.1	0.00021	Additional soil cover present	
12	2.1	0.00021		
13	2.1	0.00021		
14	2.1	0.00021		
15	2	0.0002		
16	2.2	0.00022		
17	2.2	0.00022		
18	1.9	0.00019		
19	2.1	0.00021		
20	2.3	0.00023		
21	2.3	0.00023		
22	2.2	0.00022		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
23	2.1	0.00021		
24	2	0.0002		
25	2	0.0002		
26	2	0.0002		
27	2	0.0002		
28	2	0.0002		
29	13	0.0013		
30	2	0.0002		
31	2.6	0.00026		
32	2	0.0002		
33	2.3	0.00023		
34	2.2	0.00022		
35	2.1	0.00021		
36	2.1	0.00021		
37	2	0.0002		
38	2.1	0.00021		
39	2	0.0002		
40	2	0.0002		
41	2.1	0.00021		
42	2.2	0.00022		
43	2.3	0.00023		
44	2.7	0.00027		
45	2.1	0.00021		
46	2.5	0.00025		
47	2.5	0.00025		
48	2.2	0.00022		
49	5	0.0005		
50	2.1	0.00021		
51	2.2	0.00022		
52	13.6	0.00136		
53	8700	0.87	Includes flag from Dec2021	1
54	2.4	0.00024		
55	2.6	0.00026		
56	3	0.0003		
57	10.7	0.00107		
58	10.8	0.00108		
59	2.3	0.00023		
60	2.8	0.00028		
61	2.2	0.00022		
62	2.2	0.00022		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
63	2.1	0.00021		
64	2.1	0.00021		
65	2.3	0.00023		
66	2.3	0.00023		
67	2.3	0.00023		
68	2.5	0.00025	Temporary tire container	2
69	2.7	0.00027		
70	6.3	0.00063		
71	2.6	0.00026		
72	3	0.0003		
73	2.8	0.00028		
74	4.2	0.00042		
75	2.1	0.00021		
76	2.3	0.00023		
77	2.3	0.00023		
78	2.3	0.00023		
79	2.3	0.00023		
80	2.2	0.00022		
81	2.3	0.00023		
82	2.2	0.00022		
83	109	0.0109		
84	2.4	0.00024		
85	2.2	0.00022		
86	2.2	0.00022		
87	2.1	0.00021		
88	2.1	0.00021		
Additional Monitoring points				
1-A1	2.4	0.00024		
2-A1	2.2	0.00022		
3-A1	2.1	0.00021		
4-A1	2.1	0.00021		
5-A1	2.1	0.00021		
6-A1	2.1	0.00021		
7-A1	2.2	0.00022		
8-A1	2.2	0.00022		
9-A1	2.2	0.00022		
10-A1	2.2	0.00022		
11-A1	2.2	0.00022		
12-A1	2.2	0.00022		
13-A1	2.2	0.00022		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
14-A1	2.2	0.00022		
15-A1	2.2	0.00022		
16-A1	2.2	0.00022		
17-A1	2.5	0.00025		
18-A1	2.4	0.00024		
19-A1	5200	0.52		3
20-A1	2.6	0.00026		
21-A1	2.1	0.00021		
22-A1	2.1	0.00021		
23-A1	2.2	0.00022		
24-A1	2.2	0.00022		
25-A1	52.3	0.00523		
26-A1	132	0.0132	Previous round exceeded (620ppm Dec2021). No additional cover noted.	
27-A1	2.8	0.00028		
28-A1	2.3	0.00023		
29-A1	2.1	0.00021		
30-A1	3.4	0.00034		
31-A1	3645	0.3645		4
32-A1	2.4	0.00024		
33-A1	2	0.0002		
34-A1	2.1	0.00021		
35-A1	2	0.0002		
36-A1	2.1	0.00021		
37-A1	2	0.0002		
38-A1	2	0.0002		
39-A1	2	0.0002		
40-A1	2	0.0002		
41-A1	2	0.0002		
42-A1	2	0.0002		
43-A1	2.4	0.00024		
44-A1	2.6	0.00026		
45-A1	2.2	0.00022		
46-A1	2.8	0.00028		
47-A1	2.3	0.00023		
48-A1	2.2	0.00022		
49-A1	2.2	0.00022		
50-A1	2.1	0.00021		
52A	5750	0.575	Dead grass patch	5
74A	1230	0.123	Previous round exceedance (Dec2021). Additional Cover placed (Nov2021). Exceedance off additional cover. No additional cover placed since Dec2021.	6

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
56A	34	0.0034		
73A	3.6	0.00036		
<b>EPA 10 - Gas Accumulation points</b>				
1	2	0.0002		
2	2.3	0.00023		
3	2.4	0.00024		
4	2.3	0.00023		
5	2.3	0.00023		
6	2.2	0.00022		
7	2.2	0.00022		



## Bargo WMC

### Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

<b>Project Number</b>	30012992
<b>Date</b>	2022-02-17
<b>Sampler Name</b>	Anthony Yu
<b>Time Period</b>	08:35 - 11:00
<b>Weather Conditions</b>	Sunny partly cloudy low winds warm
<b>Weather Station</b>	High Range (Wanganderry)
<b>Barometric Pressure (mB)</b>	1009.5
<b>Wind Speed (km/h)</b>	4
<b>Instrument ID</b>	Inspectra Laser SN16712
<b>Date of Calibration</b>	2021-04-21

#### 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		
<b>EPA 9 - Surface points</b>				
1	2.2	0.00022		
2	3.3	0.00033		
3	3.4	0.00034		
4	3.3	0.00033		
5	3.4	0.00034		
6	3.2	0.00032		
7	4.1	0.00041		
8	4.1	0.00041		
9	4	0.0004		
10	3.5	0.00035		
11	3.6	0.00036		
12	3.4	0.00034		
13	3.4	0.00034		
14	3.4	0.00034		
15	2.8	0.00028		
16	2.7	0.00027		
17	3.3	0.00033		
18	3.2	0.00032		
19	5	0.0005		
20	10.5	0.00105		
21	67	0.0067		
22	4.1	0.00041		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
23	4.2	0.00042		
24	3.5	0.00035		
25	4	0.0004		
26	4.2	0.00042		
27	4.2	0.00042		
28	4	0.0004		
29	70	0.007		
30	3.2	0.00032		
31	3.9	0.00039		
32	4.8	0.00048		
33	4.7	0.00047		
34	5.3	0.00053		
35	3.9	0.00039		
36	4	0.0004		
37	3.6	0.00036		
38	3.6	0.00036		
39	4	0.0004		
40	4	0.0004		
41	4.1	0.00041		
42	2.2	0.00022		
43	3.7	0.00037		
44	4.2	0.00042		
45	4	0.0004		
46	3.7	0.00037		
47	5.2	0.00052		
48	5.4	0.00054		
49	1850	0.185		1, 2
50	7.6	0.00076		
51	4.8	0.00048		
52	1270	0.127	On cover	3
53	185	0.0185	Cover placed since Jan22.	
54	5	0.0005		
55	4.3	0.00043		
56	36	0.0036		
57	7.8	0.00078		
58	5.3	0.00053		
59	5.6	0.00056		
60	20.5	0.00205		
61	4.2	0.00042		
62	4.2	0.00042		



**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
63	4	0.0004		
64	4.1	0.00041		
65	4.1	0.00041		
66	4.1	0.00041		
67	4.1	0.00041		
68	4.9	0.00049	Temporary tire container	
69	5.4	0.00054		
70	5.8	0.00058		
71	5.3	0.00053		
72	7.3	0.00073		
73	4.5	0.00045		
74	4.4	0.00044		
75	4.3	0.00043		
76	3.5	0.00035		
77	4.2	0.00042		
78	4.2	0.00042		
79	2.3	0.00023		
80	2.4	0.00024		
81	2.5	0.00025		
82	2.5	0.00025		
83	112	0.0112		
84	3.3	0.00033		
85	3	0.0003		
86	3.1	0.00031		
87	3.2	0.00032		
88	3.3	0.00033		
<b>Additional Monitoring points</b>				
1-A1	3.3	0.00033		
2-A1	3.4	0.00034		
3-A1	3.8	0.00038		
4-A1	3.7	0.00037		
5-A1	3.8	0.00038		
6-A1	3.7	0.00037		
7-A1	3.5	0.00035		
8-A1	3.4	0.00034		
9-A1	3.2	0.00032		
10-A1	2.8	0.00028		
11-A1	2.6	0.00026		
12-A1	3.3	0.00033		
13-A1	2.1	0.00021		

### 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	3.5	0.00035		
17-A1	3.5	0.00035		
18-A1	4.7	0.00047		
19-A1	166	0.0166	Cover placed since Jan22.	4
20-A1	3.3	0.00033		
21-A1	3	0.0003		
22-A1	2.5	0.00025		
23-A1	3.4	0.00034		
24-A1	3.5	0.00035		
25-A1	27.8	0.00278		
26-A1	3.7	0.00037	Previous round exceeded (620ppm Dec2021). No additional cover noted.	
27-A1	4.3	0.00043		
28-A1	5.1	0.00051		
29-A1	12.4	0.00124		
30-A1	5.4	0.00054		
31-A1	398	0.0398	Previous exceedance in Jan22. Cover not placed due to tall grass blocking visibility.	5
32-A1	3.7	0.00037		
33-A1	2.6	0.00026		
34-A1	2.7	0.00027		
35-A1	2.7	0.00027		
36-A1	12	0.0012		
37-A1	4	0.0004		
38-A1	7.9	0.00079		
39-A1	3.1	0.00031		
40-A1	3	0.0003		
41-A1	5	0.0005		
42-A1	7.7	0.00077		
43-A1	4.7	0.00047		
44-A1	4.5	0.00045		
45-A1	23.2	0.00232		
46-A1	11	0.0011		
47-A1	9.6	0.00096		
48-A1	4.9	0.00049		
49-A1	5.1	0.00051		
50-A1	5.2	0.00052		
52A	803	0.0803	Cover placed since Jan22. Exceedance off cover	6, 7, 8
74A	5	0.0005	Cover placed sin Jan22	
56A	4.5	0.00045		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
73A	5	0.0005		
<b>EPA 10 - Gas Accumulation points</b>				
1	2.8	0.00028		
2	2.8	0.00028		
3	2.8	0.00028		
4	2.8	0.00028		
5	2.7	0.00027		
6	2.3	0.00023		
7	2.8	0.00028		



## Bargo WMC

### Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

<b>Project Number</b>	30012992
<b>Date</b>	2022-03-18
<b>Sampler Name</b>	Anthony Yu
<b>Time Period</b>	09:15 - 12:00
<b>Weather Conditions</b>	Sunny partly cloudy low winds warm
<b>Weather Station</b>	High Range (Wanganderry)
<b>Barometric Pressure (mB)</b>	1017
<b>Wind Speed (km/h)</b>	4
<b>Instrument ID</b>	Hubert Laser One SN16233
<b>Date of Calibration</b>	2021-11-17

#### 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		
<b>EPA 9 - Surface points</b>				
1	2.4	0.00024		
2	2	0.0002		
3	2.1	0.00021		
4	2.1	0.00021		
5	2.1	0.00021		
6	2.1	0.00021		
7	2	0.0002		
8	2	0.0002		
9	2	0.0002		
10	2.1	0.00021		
11	2.2	0.00022		
12	2.1	0.00021		
13	2	0.0002		
14	2	0.0002		
15	2.1	0.00021		
16	2.6	0.00026		
17	2.5	0.00025		
18	2.1	0.00021		
19	2.5	0.00025		
20	5	0.0005		
21	2.1	0.00021		
22	2.1	0.00021		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
23	2	0.0002		
24	2.1	0.00021		
25	2.1	0.00021		
26	2	0.0002		
27	2	0.0002		
28	2	0.0002		
29	3.6	0.00036		
30	2.2	0.00022		
31	2.1	0.00021		
32	2.1	0.00021		
33	2.5	0.00025		
34	2.1	0.00021		
35	2	0.0002		
36	4	0.0004		
37	2	0.0002		
38	2	0.0002		
39	2	0.0002		
40	2	0.0002		
41	2	0.0002		
42	2	0.0002		
43	2.1	0.00021		
44	3	0.0003		
45	2.3	0.00023		
46	2.2	0.00022		
47	2.1	0.00021		
48	2.1	0.00021		
49	487	0.0487		
50	2.1	0.00021		
51	8.4	0.00084		
52	11.4	0.00114	On cover	
53	2.1	0.00021	Cover placed since Jan22.	
54	2.2	0.00022		
55	2.1	0.00021		
56	23.4	0.00234		
57	19.9	0.00199		
58	2.3	0.00023		
59	2.5	0.00025		
60	2.7	0.00027		
61	3.3	0.00033		
62	2.4	0.00024		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
63	2.4	0.00024		
64	2.4	0.00024		
65	2.4	0.00024		
66	2.4	0.00024		
67	2.3	0.00023		
68	2.9	0.00029	Temporary tire container	
69	3.5	0.00035		
70	5	0.0005		
71	10	0.001		
72	2.5	0.00025		
73	2.8	0.00028		
74	2.2	0.00022		
75	2.2	0.00022		
76	2.1	0.00021		
77	2.4	0.00024		
78	2.4	0.00024		
79	2.4	0.00024		
80	2.4	0.00024		
81	2.5	0.00025		
82	2.6	0.00026		
83	2.4	0.00024		
84	2.3	0.00023		
85	2.2	0.00022		
86	2.2	0.00022		
87	2.1	0.00021		
88	2.1	0.00021		
<b>Additional Monitoring points</b>				
1-A1	2.1	0.00021		
2-A1	2.1	0.00021		
3-A1	72.1	0.00721		
4-A1	2.2	0.00022		
5-A1	2.1	0.00021		
6-A1	2.2	0.00022		
7-A1	2.2	0.00022		
8-A1	2.3	0.00023		
9-A1	2.2	0.00022		
10-A1	2.3	0.00023		
11-A1	2.3	0.00023		
12-A1	2.3	0.00023		
13-A1	2.4	0.00024		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
14-A1	2.5	0.00025		
15-A1	2.4	0.00024		
16-A1	2.2	0.00022		
17-A1	2.1	0.00021		
18-A1	47.2	0.00472		
19-A1	836	0.0836	Cover placed since Jan22.	1, 2
20-A1	3	0.0003		
21-A1	2.5	0.00025		
22-A1	2.4	0.00024		
23-A1	2.3	0.00023		
24-A1	2.2	0.00022		
25-A1	2.7	0.00027		
26-A1	9.6	0.00096	Previous round exceeded (620ppm Dec2021). No additional cover noted.	
27-A1	2.3	0.00023		
28-A1	2.2	0.00022		
29-A1	2.2	0.00022		
30-A1	2.2	0.00022		
31-A1	12	0.0012	Previous exceedance in Jan22. Cover not placed due to tall grass blocking visibility.	
32-A1	2.5	0.00025		
33-A1	2.7	0.00027		
34-A1	2.1	0.00021		
35-A1	2.1	0.00021		
36-A1	2.1	0.00021		
37-A1	2.2	0.00022		
38-A1	3.8	0.00038		
39-A1	2.2	0.00022		
40-A1	2.1	0.00021		
41-A1	3.3	0.00033		
42-A1	2.4	0.00024		
43-A1	2.1	0.00021		
44-A1	17.1	0.00171		
45-A1	2.7	0.00027		
46-A1	6.5	0.00065		
47-A1	2.4	0.00024		
48-A1	2	0.0002		
49-A1	2	0.0002		
50-A1	2	0.0002		
52A	2.8	0.00028	Cover placed since Jan22. Exceedance off cover	3
74A	2.1	0.00021	Cover placed sin Jan22	
56A	2.1	0.00021		



**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
73A	2.2	0.00022		
<b>EPA 10 - Gas Accumulation points</b>				
1	2	0.0002		
2	2	0.0002		
3	2	0.0002		
4	2.1	0.00021		
5	2.1	0.00021		
6	2.4	0.00024		
7	2.1	0.00021		



## Bargo WMC

### Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

<b>Project Number</b>	30012992
<b>Date</b>	2022-04-12
<b>Sampler Name</b>	Anthony Yu
<b>Time Period</b>	09:10 - 11:30
<b>Weather Conditions</b>	Sunny partly cloudy low winds cool
<b>Weather Station</b>	High Range (Wanganderry)
<b>Barometric Pressure (mB)</b>	1021.4
<b>Wind Speed (km/h)</b>	11
<b>Instrument ID</b>	Hubert Laser One SN16233
<b>Date of Calibration</b>	2021-11-17

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		
<b>EPA 9 - Surface points</b>				
1	2.4	0.00024		
2	2.1	0.00021		
3	2.1	0.00021		
4	2.1	0.00021		
5	2.1	0.00021		
6	2.1	0.00021		
7	2	0.0002		
8	2.1	0.00021		
9	2	0.0002		
10	2.1	0.00021		
11	2.3	0.00023		
12	2.1	0.00021		
13	2.1	0.00021		
14	2.2	0.00022		
15	3.3	0.00033		
16	2.4	0.00024		
17	2.4	0.00024		
18	2.3	0.00023		
19	155	0.0155		
20	2.8	0.00028		
21	2.1	0.00021		
22	2.1	0.00021		
23	2.4	0.00024		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
24	2	0.0002		
25	2.1	0.00021		
26	2	0.0002		
27	2	0.0002		
28	2	0.0002		
29	4.7	0.00047		
30	3	0.0003		
31	3.2	0.00032		
32	2.4	0.00024		
33	2.2	0.00022		
34	2.3	0.00023		
35	11.3	0.00113		
36	4	0.0004		
37	2.2	0.00022		
38	2.1	0.00021		
39	2	0.0002		
40	2	0.0002		
41	2	0.0002		
42	2	0.0002		
43	2.2	0.00022		
44	3	0.0003		
45	2.5	0.00025		
46	2.1	0.00021		
47	2.2	0.00022		
48	2.1	0.00021		
49	391	0.0391		
50	2.1	0.00021		
51	3460	0.3460		1, 2
52	546	0.0546	Previous exceedance. No cover	3
53	17.5	0.00175		
54	330	0.033		
55	2.1	0.00021		
56	43.2	0.00432		
57	2.3	0.00023		
58	2.4	0.00024		
59	7.5	0.00075		
60	7	0.0007		
61	2.4	0.00024		
62	2.1	0.00021		
63	2	0.0002		
64	2	0.0002		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
65	2	0.0002		
66	2	0.0002		
67	2.1	0.00021		
68	2.4	0.00024		
69	2.3	0.00023		
70	2.4	0.00024		
71	3.3	0.00033		
72	14	0.0014		
73	29.3	0.00293		
74	2.6	0.00026		
75	48.4	0.00484		
76	418	0.0418		
77	2.2	0.00022		
78	2.2	0.00022		
79	2.2	0.00022		
80	2.1	0.00021		
81	2.1	0.00021		
82	2.2	0.00022		
83	20.8	0.00208		
84	2.3	0.00023		
85	2.5	0.00025		
86	2.6	0.00026		
87	2.5	0.00025		
88	2.4	0.00024		
<b>Additional Monitoring points</b>				
1-A1	2.4	0.00024		
2-A1	2.4	0.00024		
3-A1	15.7	0.00157		
4-A1	2.4	0.00024		
5-A1	3	0.0003		
6-A1	2.4	0.00024		
7-A1	2.4	0.00024		
8-A1	2.4	0.00024		
9-A1	2.4	0.00024		
10-A1	2.4	0.00024		
11-A1	2.4	0.00024		
12-A1	2.4	0.00024		
13-A1	2.6	0.00026		
14-A1	2.3	0.00023		
15-A1	2.3	0.00023		
16-A1	2.7	0.00027		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
17-A1	2.7	0.00027		
18-A1	14.4	0.00144		
19-A1	1095	0.1095	Previous exceedance. No cover	4
20-A1	6.3	0.00063		
21-A1	2.4	0.00024		
22-A1	2.4	0.00024		
23-A1	2.8	0.00028		
24-A1	2.9	0.00029		
25-A1	3.2	0.00032		
26-A1	181	0.0181		
27-A1	2.8	0.00028		
28-A1	2.8	0.00028		
29-A1	2.5	0.00025		
30-A1	5.2	0.00052		
31-A1	40	0.004		
32-A1	28.4	0.00284		
33-A1	123	0.0123		
34-A1	2.5	0.00025		
35-A1	2.4	0.00024		
36-A1	8.4	0.00084		
37-A1	11.6	0.00116		
38-A1	5.6	0.00056		
39-A1	3.8	0.00038		
40-A1	3.3	0.00033		
41-A1	10.2	0.00102		
42-A1	3.4	0.00034		
43-A1	2.2	0.00022		
44-A1	8.1	0.00081		
45-A1	8.3	0.00083		
46-A1	81.3	0.00813		
47-A1	2.8	0.00028		
48-A1	2.2	0.00022		
49-A1	2.1	0.00021		
50-A1	2.1	0.00021		
74A	5.8	0.00058	Cover placed sin Jan22	
73A	5	0.0005		
84A	581	0.0581	Edge of steep slope. Deviation from original point location.	5, 6
84A-1	3.7	0.00037	Step out location North, Under tree	
84A-2	181	0.0181		
84A-3	1565	0.1565	South step out	7
84A-4	3.1	0.00031	West step out	

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
84A-5	8.6	0.00086		
84A-6	3.6	0.00036		
84A-7	3.2	0.00032		
84A-8	7.3	0.00073		
85A	288	0.0288		

### EPA 10 - Gas Accumulation points

1	2.1	0.00021		
2	2.1	0.00021		
3	2.1	0.00021		
4	2.1	0.00021		
5	2.1	0.00021		
6	2.1	0.00021		
7	2.1	0.00021		





## Bargo WMC

### Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

<b>Project Number</b>	30012992
<b>Sampling Dates</b>	2022-05-17 09:15 to 2022-05-17 12:32
<b>Sampler Name</b>	Anthony Yu
<b>Weather Conditions</b>	Sunny clear windy cool
<b>Weather Station</b>	High Range (Wanganderry)
<b>Barometric Pressure (mB)</b>	1019.2 sampled at 09:00
<b>Wind Speed (km/h)</b>	26
<b>Instrument ID</b>	Hubert Laser One SN41040
<b>Date of Calibration</b>	Laser One SN41040 13/09/2022

#### 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		
<b>EPA 9 - Surface points</b>				
1	2.4	0.00024		
2	2.1	0.00021		
3	2.6	0.00026		
4	2.3	0.00023		
5	2.6	0.00026		
6	2.4	0.00024		
7	2.3	0.00023		
8	2.2	0.00022		
9	2.2	0.00022		
10	2.4	0.00024		
11	2.5	0.00025		
12	2.4	0.00024		
13	2.4	0.00024		
14	2.3	0.00023		
15	2.6	0.00026		
16	2.7	0.00027		
17	3.4	0.00034		
18	2.7	0.00027		
19	2.5	0.00025		
20	2.6	0.00026		
21	2.4	0.00024		
22	2.4	0.00024		
23	2.3	0.00023		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
24	2.2	0.00022		
25	2.2	0.00022		
26	2.4	0.00024		
27	2.2	0.00022		
28	2.2	0.00022		
29	2.7	0.00027		
30	3.3	0.00033		
31	2.3	0.00023		
32	2.5	0.00025		
33	2.5	0.00025		
34	2.6	0.00026		
35	13	0.0013		
36	2.4	0.00024		
37	2.2	0.00022		
38	2.2	0.00022		
39	2.1	0.00021		
40	2.2	0.00022		
41	2.2	0.00022		
42	2.2	0.00022		
43	2.2	0.00022		
44	2.2	0.00022		
45	2.5	0.00025		
46	2.8	0.00028		
47	2.6	0.00026		
48	2.6	0.00026		
49	5.1	0.00051		
50	2.3	0.00023		
51	9	0.0009	Cover placed since Apr2022	1
52	102	0.0102	Previous exceedance. No cover	2
53	2.6	0.00026	Cover placed since Apr2022	3
54	8	0.0008		
56	10	0.001		
57	16.4	0.00164		
58	2.6	0.00026		
59	2.6	0.00026		
60	2.6	0.00026		
61	2.2	0.00022		
62	2.2	0.00022		
63	2.1	0.00021		
65	2.3	0.00023		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
66	2.3	0.00023		
67	2.2	0.00022		
68	2.2	0.00022		
69	34	0.0034		
70	2.4	0.00024		
71	3.3	0.00033		
72	3.7	0.00037		
73	2.7	0.00027		
74	2.6	0.00026		
75	36.9	0.00369		
76	2.3	0.00023		
77	2.3	0.00023		
78	2.3	0.00023		
79	2.3	0.00023		
80	2.4	0.00024		
81	2.4	0.00024		
82	2.6	0.00026		
83	3.2	0.00032		
84	2.5	0.00025		
85	2.5	0.00025		
86	3.1	0.00031		
87	2.7	0.00027		
88	2.5	0.00025		
<b>Additional Monitoring points</b>				
1-A1	2.5	0.00025		
2-A1	2.5	0.00025		
3-A1	2.6	0.00026		
4-A1	2.5	0.00025		
5-A1	3	0.0003		
6-A1	2.6	0.00026		
7-A1	2.6	0.00026		
8-A1	2.6	0.00026		
9-A1	2.6	0.00026		
10-A1	2.7	0.00027		
11-A1	2.5	0.00025		
12-A1	2.5	0.00025		
13-A1	2.4	0.00024		
14-A1	2.4	0.00024		
15-A1	2.6	0.00026		
16-A1	2.5	0.00025		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
17-A1	2.3	0.00023		
18-A1	5.4	0.00054		
19-A1	11.8	0.00118	Cover placed since Apr2022	4
20-A1	4	0.0004		
21-A1	2.3	0.00023		
22-A1	2.7	0.00027		
23-A1	2.6	0.00026		
24-A1	2.7	0.00027		
25-A1	3.9	0.00039		
26-A1	3.4	0.00034		
27-A1	2.6	0.00026		
28-A1	2.7	0.00027		
29-A1	2.6	0.00026		
30-A1	2.6	0.00026		
31-A1	13	0.0013	Cover placed since Apr2022	5
32-A1	2.4	0.00024		
33-A1	2.9	0.00029		
34-A1	2.6	0.00026		
35-A1	2.8	0.00028		
36-A1	7.9	0.00079		
37-A1	6.5	0.00065		
38-A1	88	0.0088		
39-A1	3.6	0.00036		
40-A1	2.5	0.00025		
41-A1	2650	0.265		6, 7
42-A1	2.3	0.00023		
43-A1	2.9	0.00029		
44-A1	3	0.0003		
45-A1	3	0.0003		
46-A1	2.5	0.00025		
47-A1	2.8	0.00028		
48-A1	3	0.0003		
49-A1	2.7	0.00027		
50-A1	2.4	0.00024		
73A	2.5	0.00025		
84A	3.9	0.00039	Edge of steep slope. Deviation from original point location.	
84A-1	2.6	0.00026	Step out location North, Under tree	
84A-2	354	0.0354		
84A-3	9.6	0.00096	South step out	
84A-4	8.4	0.00084	West step out	

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
84A-5	94	0.0094		
84A-6	3.1	0.00031		
84A-7	2.9	0.00029		
84A-8	4	0.0004		
85A	2.4	0.00024		
84A-9	1285	0.1285	Half grid space south of 84A	8, 9, 10
52A	2200	0.22	Over placed since Apr22. Exceedance on edge of cover	11, 12, 13
Dozer tracks	4.7	0.00047		14
<b>EPA 10 - Gas Accumulation points</b>				
1	2.2	0.00022		
2	2.2	0.00022		
3	2.2	0.00022		
4	2.2	0.00022		
5	2.4	0.00024		
6	2.2	0.00022		
7	2.3	0.00023		



## Bargo WMC

### Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

<b>Project Number</b>	30012992
<b>Sampling Dates</b>	2022-06-14 13:34 to 2022-06-14 15:13
<b>Sampler Name</b>	Anthony Yu
<b>Weather Conditions</b>	Sunny clear windy cool
<b>Weather Station</b>	High Range (Wanganderry)
<b>Barometric Pressure (mB)</b>	1021.3 (Falling) sampled at 13:00
<b>Wind Speed (km/h)</b>	9
<b>Instrument ID</b>	Hubert Laser One SN41298
<b>Date of Calibration</b>	Laser One SN41298 14/04/2022

#### 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		
<b>EPA 9 - Surface points</b>				
1	2.4	0.00024		
2	2.2	0.00022		
3	2.2	0.00022		
4	2.2	0.00022		
5	2.2	0.00022		
6	2.1	0.00021		
7	2.2	0.00022		
8	2.3	0.00023		
9	2.3	0.00023		
10	3.9	0.00039		
11	2.6	0.00026		
12	2.2	0.00022		
13	2	0.0002		
14	2	0.0002		
15	1.6	0.00016		
16	2.3	0.00023		
17	2.2	0.00022		
18	1.7	0.00017		
19	2.1	0.00021		
20	8.3	0.00083		
21	22.7	0.00227		
22	2.4	0.00024		
23	2.2	0.00022		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
24	2.7	0.00027		
25	2.4	0.00024		
26	2.3	0.00023		
27	2.3	0.00023		
28	2.2	0.00022		
29	3.2	0.00032		
30	4.2	0.00042		
31	2.4	0.00024		
32	2.1	0.00021		
33	10.7	0.00107		
34	3.3	0.00033		
35	2.2	0.00022		
36	8.3	0.00083		
37	2.4	0.00024		
38	2.5	0.00025		
39	2.4	0.00024		
40	2.2	0.00022		
41	2.2	0.00022		
42	2.3	0.00023		
43	2.4	0.00024		
44	2.3	0.00023		
45	2.1	0.00021		
46	2.3	0.00023		
47	2.5	0.00025		
48	2.4	0.00024		
49	7	0.0007		
50	3	0.0003		
51	52	0.0052	Cover placed since Apr2022	
52	23.1	0.00231	Previous exceedance. No cover	
53	2.6	0.00026	Cover placed since Apr2022	
54	2.5	0.00025		
55	2.3	0.00023		
56	19.5	0.00195		
57	5.4	0.00054		
58	2.2	0.00022		
59	11.5	0.00115		
60	3.5	0.00035		
61	2.2	0.00022		
62	2.1	0.00021		
63	2.3	0.00023		



**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
64	2.2	0.00022		
65	2.2	0.00022		
66	2.3	0.00023		
67	2.3	0.00023		
68	11.3	0.00113		
69	2.2	0.00022		
70	2.5	0.00025		
71	2.9	0.00029		
72	2.6	0.00026		
73	2.4	0.00024		
74	2.6	0.00026		
75	1.8	0.00018		
76	287	0.0287		
77	2.4	0.00024		
78	2.4	0.00024		
79	3.2	0.00032		
80	2.4	0.00024		
81	2.3	0.00023		
82	2.3	0.00023		
83	2.8	0.00028		
84	33.8	0.00338		
85	2.3	0.00023		
86	2.2	0.00022		
87	2.3	0.00023		
88	2.2	0.00022		
<b>Additional Monitoring points</b>				
1-A1	2.2	0.00022		
2-A1	2.2	0.00022		
3-A1	2.2	0.00022		
4-A1	2.2	0.00022		
5-A1	2.2	0.00022		
6-A1	2.2	0.00022		
7-A1	2.2	0.00022		
8-A1	2.1	0.00021		
9-A1	2.2	0.00022		
10-A1	2.2	0.00022		
11-A1	2.2	0.00022		
12-A1	2.2	0.00022		
13-A1	2.5	0.00025		
14-A1	2.5	0.00025		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
15-A1	2.5	0.00025		
16-A1	2	0.0002		
17-A1	2.3	0.00023		
18-A1	2.7	0.00027		
19-A1	34.2	0.00342	Cover placed since Apr2022	
20-A1	60	0.006		
21-A1	2.2	0.00022		
22-A1	2.3	0.00023		
23-A1	1.9	0.00019		
24-A1	2.3	0.00023		
25-A1	21.7	0.00217		
26-A1	2.7	0.00027		
27-A1	3.9	0.00039		
28-A1	2	0.0002		
29-A1	1.7	0.00017		
30-A1	1.7	0.00017		
31-A1	119	0.0119	Cover placed since Apr2022	
32-A1	2.4	0.00024		
33-A1	12	0.0012		
34-A1	1.6	0.00016		
35-A1	1.6	0.00016		
36-A1	1.9	0.00019		
37-A1	3.7	0.00037		
38-A1	340	0.034		
39-A1	3.5	0.00035		
40-A1	1.7	0.00017		
41-A1	1.8	0.00018		
42-A1	2.1	0.00021		
43-A1	2.6	0.00026		
44-A1	8.5	0.00085		
45-A1	2.3	0.00023		
46-A1	2.1	0.00021		
47-A1	2.6	0.00026		
48-A1	2.3	0.00023		
49-A1	2	0.0002		
50-A1	2	0.0002		
74A	30.4	0.00304	Cover placed sin Jan22	
73A	2.6	0.00026		
84A	56.5	0.00565	Edge of steep slope. Deviation from original point location.	
84A-1	30.2	0.00302	Step out location North, Under tree	

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
84A-2	164	0.0164		
84A-3	12.1	0.00121	South step out	
84A-4	209	0.0209	West step out	
84A-5	135	0.0135		
84A-6	2.5	0.00025		
84A-7	3.3	0.00033		
84A-8	5.2	0.00052		
85A	2.2	0.00022		
84A-9	5.2	0.00052	Half grid space south of 84A	
52A	265	0.0265	Over placed since Apr22. Exceedance on edge of cover	
Dozer tracks	1.8	0.00018		
<b>EPA 10 - Gas Accumulation points</b>				
1	2.3	0.00023		
2	2.3	0.00023		
3	2.3	0.00023		
4	2.3	0.00023		
5	2.3	0.00023		
6	2.5	0.00025		
7	2.4	0.00024		



## Bargo WMC

### Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

<b>Project Number</b>	30012992
<b>Sampling Dates</b>	2022-07-12 10:00 to 2022-07-12 12:09
<b>Sampler Name</b>	Anthony Yu
<b>Weather Conditions</b>	Sunny clear low wind cool
<b>Weather Station</b>	High Range (Wanganderry)
<b>BoM Barometric Pressure (mB)</b>	1017.2 (Falling) recorded at 09:30
<b>Device Atmospheric Pressure (mB)</b>	
<b>Wind Speed (km/h)</b>	6
<b>Instrument ID</b>	Huberg Laser One SN19255
<b>Date of Calibration</b>	Huberg Laser One SN19255 (21/12/2021)

#### 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		
<b>EPA 9 - Surface points</b>				
1	3	0.0003		
2	2.7	0.00027		
3	2.7	0.00027		
4	2.8	0.00028		
5	2.8	0.00028		
6	2.9	0.00029		
7	2.9	0.00029		
8	3.1	0.00031		
9	3.2	0.00032		
10	3.3	0.00033		
11	2.9	0.00029		
12	7.4	0.00074		
13	2.7	0.00027		
14	2.6	0.00026		
15	3.2	0.00032		
16	2.8	0.00028		
17	2.8	0.00028		
18	3.2	0.00032		
19	135	0.0135		
20	2.6	0.00026		
21	4.1	0.00041		
22	3	0.0003		
23	3.4	0.00034		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
24	3.2	0.00032		
25	3.1	0.00031		
26	2.8	0.00028		
27	2.8	0.00028		
28	2.8	0.00028		
29	2.8	0.00028		
30	91.1	0.00911		
31	3.5	0.00035		
32	2.6	0.00026		
33	2.8	0.00028		
34	5	0.0005		
35	2.9	0.00029		
36	23.9	0.00239		
37	3	0.0003		
38	3.3	0.00033		
39	3	0.0003		
40	2.8	0.00028		
41	2.8	0.00028		
42	3	0.0003		
43	3.6	0.00036		
44	46	0.0046		
45	3.2	0.00032		
46	3.2	0.00032		
47	4.1	0.00041		
48	3.8	0.00038		
49	2.5	0.00025		
50	2.8	0.00028		
51	3900	0.39	Cover placed since Apr22. Exceedance on edge of cover	1, 2
52	62.7	0.00627	Previous exceedance. No cover	
53	16.5	0.00165	Cover placed since Apr2022	
54	59.3	0.00593		
55	3.3	0.00033		
56	49.1	0.00491		
57	39	0.0039		
58	114	0.0114		
59	3.7	0.00037		
60	3.3	0.00033		
61	15.3	0.00153		
62	2.8	0.00028		
63	2.9	0.00029		
64	2.8	0.00028		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
65	2.8	0.00028		
66	2.8	0.00028		
67	2.8	0.00028		
68	3	0.0003		
69	3.3	0.00033		
70	49	0.0049		
71	2.2	0.00022		
72	7.3	0.00073		
73	2.6	0.00026		
74	98.6	0.00986		
75	3.3	0.00033		
76	10.9	0.00109		
77	3	0.0003		
78	3.2	0.00032		
79	3.2	0.00032		
80	3.4	0.00034		
81	3.1	0.00031		
82	2.5	0.00025		
83	38.5	0.00385		
84	26.7	0.00267		
85	3.3	0.00033		
86	2.5	0.00025		
87	2.6	0.00026		
88	2.7	0.00027		
1	3	0.000300000000000000000003		3
Additional Monitoring points				
1-A1	2.7	0.00027		
2-A1	2.7	0.00027		
3-A1	2.7	0.00027		
4-A1	2.7	0.00027		
5-A1	2.8	0.00028		
6-A1	2.7	0.00027		
7-A1	2.7	0.00027		
8-A1	2.7	0.00027		
9-A1	2.8	0.00028		
10-A1	2.8	0.00028		
11-A1	2.8	0.00028		
12-A1	2.8	0.00028		
13-A1	2.8	0.00028		
14-A1	2.8	0.00028		
15-A1	2.8	0.00028		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
16-A1	2.9	0.00029		
17-A1	2.9	0.00029		
18-A1	62	0.0062		
19-A1	5040	0.504	Cover placed since Apr22. Exceedance on edge of cover	4, 5
20-A1	5.7	0.00057		
21-A1	2.8	0.00028		
22-A1	2.8	0.00028		
23-A1	3.2	0.00032		
24-A1	3.7	0.00037		
25-A1	3.2	0.00032		
26-A1	6.6	0.00066		
27-A1	5.3	0.00053		
28-A1	5.2	0.00052		
29-A1	3.4	0.00034		
30-A1	3.6	0.00036		
31-A1	20.3	0.00203	Cover placed since Apr2022	
32-A1	6.1	0.00061		
33-A1	3.1	0.00031		
34-A1	3.1	0.00031		
35-A1	3.1	0.00031		
36-A1	4.7	0.00047		
37-A1	4.9	0.00049		
38-A1	10.5	0.00105		
39-A1	8100	0.81	Rapidly climbed to 8100ppm Repeat tests rapidly climb to between 2000-5000ppm	6, 7, 8
40-A1	3.1	0.00031		
41-A1	7.4	0.00074		
42-A1	3.6	0.00036		
43-A1	3.1	0.00031		
44-A1	3.3	0.00033		
45-A1	5.8	0.00058		
46-A1	3.8	0.00038		
47-A1	3.2	0.00032		
48-A1	6.1	0.00061		
49-A1	2.7	0.00027		
50-A1	2.8	0.00028		
74A	91.8	0.00918	Cover placed sin Jan22	
73A	4.1	0.00041		
84A	978	0.0978	Edge of steep slope. Deviation from original point location.	9
84A-1	3.7	0.00037	Step out location North, Under tree	
84A-2	4.1	0.00041		



### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
84A-3	606	0.0606	South step out	10, 11
84A-4	21.3	0.00213	West step out	
84A-5	16.4	0.00164		
84A-6	8.9	0.00089		
84A-7	3.4	0.00034		
84A-8	7.4	0.00074		
85A	81.9	0.00819		
84A-9	10.2	0.00102	Half grid space south of 84A	
52A	3240	0.324	Cover placed since Apr22. Exceedance on edge of cover	12
Dozer tracks	34.7	0.00347		
Entry Ramp	892	0.0892		13
<b>EPA 10 - Gas Accumulation points</b>				
1	2.8	0.00028		
2	2.8	0.00028		
3	2.8	0.00028		
4	2.8	0.00028		
5	2.8	0.00028		
6	3.2	0.00032		
7	3.3	0.00033		



## Bargo WMC

### Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

<b>Project Number</b>	30012992
<b>Sampling Dates</b>	2022-08-18 09:00 to 2022-08-18 11:06
<b>Sampler Name</b>	Anthony Yu
<b>Weather Conditions</b>	Cloudy low wind cool
<b>Weather Station</b>	High Range (Wanganderry)
<b>BoM Barometric Pressure (mB)</b>	1016.5 (Rising) recorded at 09:00
<b>Device Atmospheric Pressure (mB)</b>	
<b>Wind Speed (km/h)</b>	6
<b>Instrument ID</b>	Huberg Laser One SN41299
<b>Date of Calibration</b>	Huberg Laser One SN41299 (14/04/2022)

#### 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		
<b>EPA 9 - Surface points</b>				
1	2.5	0.00025		
2	2.3	0.00023		
3	2.4	0.00024		
4	2.4	0.00024		
5	2.4	0.00024		
6	2.4	0.00024		
7	2.2	0.00022		
8	2.3	0.00023		
9	2.2	0.00022		
10	2.5	0.00025		
11	2.5	0.00025		
12	3.1	0.00031		
13	4.1	0.00041		
14	5.3	0.00053		
15	2.7	0.00027		
16	2.4	0.00024		
17	2.3	0.00023		
18	2.3	0.00023		
19	2.7	0.00027		
20	5.9	0.00059		
21	11.3	0.00113		
22	2.5	0.00025		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
23	3.5	0.00035		
24	2.4	0.00024		
25	2.5	0.00025		
26	2.5	0.00025		
27	2.3	0.00023		
28	2.3	0.00023		
29	2.3	0.00023		
30	5.6	0.00056		
31	2.5	0.00025		
32	2.4	0.00024		
33	2.7	0.00027		
34	6.6	0.00066		
35	2.6	0.00026		
36	2.6	0.00026		
37	2.6	0.00026		
38	2.5	0.00025		
39	2.3	0.00023		
40	2.3	0.00023		
41	2.3	0.00023		
42	2.3	0.00023		
43	2.3	0.00023		
44	2.7	0.00027		
45	2.5	0.00025		
46	2.5	0.00025		
47	2.4	0.00024		
48	2.3	0.00023		
49	16	0.0016		
50	2.6	0.00026		
51	202	0.0202	Additional cover placed since July22. Crumbly - does not appear to be sufficiently compacted.	1
52	15.3	0.00153		
53	3.1	0.00031		
54	3.2	0.00032		
55	2.5	0.00025		
56	27	0.0027		
57	12.7	0.00127		
58	3.8	0.00038		
59	2.5	0.00025		
60	8.5	0.00085		
61	2.3	0.00023		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
62	2.1	0.00021		
63	2.2	0.00022		
64	2.2	0.00022		
65	2.2	0.00022		
66	2.1	0.00021		
67	2.2	0.00022		
68	6.8	0.00068		
69	3.5	0.00035		
70	2.6	0.00026		
71	5.6	0.00056		
72	2.5	0.00025		
73	3.6	0.00036		
74	2.5	0.00025		
75	2.8	0.00028		
76	2.6	0.00026		
77	2.2	0.00022		
78	2.2	0.00022		
79	2.2	0.00022		
80	3.4	0.00034		
81	6.4	0.00064		
82	5.7	0.00057		
83	34.8	0.00348		
84	2.4	0.00024		
85	2.4	0.00024		
86	2.3	0.00023		
87	2.3	0.00023		
88	2.4	0.00024		
<b>Additional Monitoring points</b>				
1-A1	2.4	0.00024		
2-A1	2.4	0.00024		
3-A1	2.4	0.00024		
4-A1	2.4	0.00024		
5-A1	2.5	0.00025		
6-A1	3.4	0.00034		
7-A1	2.5	0.00025		
8-A1	11.1	0.00111		
9-A1	5.4	0.00054		
10-A1	2.7	0.00027		
11-A1	2.7	0.00027		
12-A1	2.6	0.00026		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
13-A1	2.6	0.00026		
14-A1	2.5	0.00025		
15-A1	2.5	0.00025		
16-A1	2.6	0.00026		
17-A1	4.3	0.00043		
18-A1	5.4	0.00054		
19-A1	50.5	0.00505		
20-A1	2.3	0.00023		
21-A1	2.4	0.00024		
22-A1	2.4	0.00024		
23-A1	2.3	0.00023		
24-A1	3.1	0.00031		
25-A1	5.3	0.00053		
26-A1	16	0.0016		
27-A1	13.3	0.00133		
28-A1	14.5	0.00145		
29-A1	2.4	0.00024		
30-A1	2.6	0.00026		
31-A1	5.1	0.00051		
32-A1	2.4	0.00024		
33-A1	4.6	0.00046		
34-A1	2.3	0.00023		
35-A1	2.4	0.00024		
36-A1	3.6	0.00036		
37-A1	2.7	0.00027		
38-A1	8.5	0.00085		
39-A1	329	0.0329	Additional cover placed since July22. Crumbly - does not appear to be sufficiently compacted.	2
40-A1	2.6	0.00026		
41-A1	2.7	0.00027		
42-A1	3.6	0.00036		
43-A1	3.3	0.00033		
44-A1	12.4	0.00124		
45-A1	2.8	0.00028		
46-A1	8	0.0008		
47-A1	11.7	0.00117		
48-A1	2.7	0.00027		
49-A1	2.7	0.00027		
50-A1	2.5	0.00025		
74A	6.1	0.00061	Cover placed sin Jan22	

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
73A	4.1	0.00041		
84A	3.2	0.00032	Edge of steep slope. Deviation from original point location.	
84A-1	2.4	0.00024	Step out location North, Under tree	
84A-2	11.4	0.00114		
84A-3	44.4	0.00444	South step out	
84A-4	2.9	0.00029	West step out	
84A-5	36.7	0.00367		
84A-6	7.4	0.00074		
84A-7	13.4	0.00134		
84A-8	30	0.003		
85A	2.3	0.00023		
84A-9	182	0.0182	Half grid space south of 84A	
52A	123	0.0123		
Dozer tracks	9.3	0.00093		
Entry Ramp	2.7	0.00027		
<b>EPA 10 - Gas Accumulation points</b>				
1	2.1	0.00021		
2	2.2	0.00022		
3	2.2	0.00022		
4	2.2	0.00022		
5	2.1	0.00021		
6	2.2	0.00022		
7	2.2	0.00022		





## Bargo WMC

### Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

<b>Project Number</b>	30012992
<b>Sampling Dates</b>	2022-09-13 08:45 to 2022-09-13 10:21
<b>Sampler Name</b>	Anthony Yu
<b>Weather Conditions</b>	Mostly clear sunny low wind cool
<b>Weather Station</b>	High Range (Wanganderry)
<b>BoM Barometric Pressure (mB)</b>	1024.3 (Rising) recorded at 08:30
<b>Device Atmospheric Pressure (mB)</b>	
<b>Wind Speed (km/h)</b>	6
<b>Instrument ID</b>	Huberg Laser One SN19252
<b>Date of Calibration</b>	Huberg Laser One SN19252 (06/05/2022)

#### 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		
<b>EPA 9 - Surface points</b>				
1	2.4	0.00024		
2	2.4	0.00024		
3	2.4	0.00024		
4	2.4	0.00024		
5	2.4	0.00024		
6	2.4	0.00024		
7	2.3	0.00023		
8	2.3	0.00023		
9	2.2	0.00022		
10	2.4	0.00024		
11	2.2	0.00022		
12	2.2	0.00022		
13	2.2	0.00022		
14	2.2	0.00022		
15	2.2	0.00022		
16	2.6	0.00026		
17	2.5	0.00025		
18	2.3	0.00023		
19	2.5	0.00025		
20	4.7	0.00047		
21	2.4	0.00024		
22	2.4	0.00024		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
23	2.2	0.00022		
24	2.3	0.00023		
25	2.3	0.00023		
26	2.2	0.00022		
27	2.3	0.00023		
28	2.3	0.00023		
29	2.6	0.00026		
30	2.4	0.00024		
31	2.7	0.00027		
32	2.6	0.00026		
33	2.5	0.00025		
34	2.4	0.00024		
35	2.2	0.00022		
37	2.3	0.00023		
38	2.3	0.00023		
39	2.3	0.00023		
40	2.3	0.00023		
41	2.3	0.00023		
42	2.4	0.00024		
43	2.5	0.00025		
44	2.5	0.00025		
45	2.2	0.00022		
46	2.2	0.00022		
47	2.4	0.00024		
48	2.4	0.00024		
49	2.5	0.00025		
50	3.1	0.00031		
51	3	0.0003	Additional cover placed since July22. Crumbly - does not appear to be sufficiently compacted.	
52	52.4	0.00524		
53	2.6	0.00026		
54	2.8	0.00028		
55	2.8	0.00028		
56	2.5	0.00025		
57	2.4	0.00024		
58	2.4	0.00024		
59	2.6	0.00026		
60	2.4	0.00024		
61	2.6	0.00026		
62	2.6	0.00026		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
63	2.4	0.00024		
64	2.3	0.00023		
65	2.3	0.00023		
66	2.6	0.00026		
67	2.7	0.00027		
69	2.6	0.00026		
70	2.4	0.00024		
71	3.1	0.00031		
72	2.6	0.00026		
73	4.9	0.00049		
74	5.1	0.00051		
75	2.6	0.00026		
76	2.5	0.00025		
77	2.6	0.00026		
78	2.5	0.00025		
79	2.5	0.00025		
80	2.5	0.00025		
81	2.6	0.00026		
82	2.6	0.00026		
83	3.2	0.00032		
84	3.2	0.00032		
85	2.7	0.00027		
86	2.6	0.00026		
87	2.7	0.00027		
88	2.7	0.00027		
<b>Additional Monitoring points</b>				
1-A1	2.7	0.00027		
2-A1	2.7	0.00027		
3-A1	2.9	0.00029		
4-A1	3	0.0003		
5-A1	2.8	0.00028		
6-A1	2.9	0.00029		
7-A1	2.8	0.00028		
8-A1	2.6	0.00026		
9-A1	2.5	0.00025		
10-A1	2.6	0.00026		
11-A1	2.5	0.00025		
12-A1	2.5	0.00025		
13-A1	2.5	0.00025		
14-A1	2.4	0.00024		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
15-A1	2.4	0.00024		
16-A1	2.5	0.00025		
17-A1	2.6	0.00026		
18-A1	2.5	0.00025		
19-A1	30.1	0.00301		
20-A1	2.6	0.00026		
21-A1	2.5	0.00025		
22-A1	2.4	0.00024		
23-A1	2.7	0.00027		
24-A1	2.7	0.00027		
25-A1	2.7	0.00027		
26-A1	402	0.0402		
27-A1	3	0.0003		
28-A1	2.4	0.00024		
29-A1	2.2	0.00022		
30-A1	2.2	0.00022		
31-A1	2.3	0.00023		
32-A1	2.2	0.00022		
33-A1	2.3	0.00023		
34-A1	2.2	0.00022		
35-A1	2.2	0.00022		
36-A1	2.8	0.00028		
37-A1	5.3	0.00053		
38-A1	7.3	0.00073		
39-A1	2.3	0.00023	Additional cover placed since July22. Crumbly - does not appear to be sufficiently compacted.	
40-A1	2.6	0.00026		
41-A1	2.4	0.00024		
42-A1	2.5	0.00025		
43-A1	430	0.043		
44-A1	3.1	0.00031		
45-A1	3.7	0.00037		
46-A1	2.3	0.00023		
47-A1	2.4	0.00024		
48-A1	2.7	0.00027		
49-A1	2.2	0.00022		
50-A1	2.2	0.00022		
74A	4.6	0.00046	Cover placed sin Jan22	
73A	10.4	0.00104		
84A	3.5	0.00035	Edge of steep slope. Deviation from original point location.	

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
84A-1	4.1	0.00041	Step out location North, Under tree	
84A-2	5	0.0005		
84A-3	7.5	0.00075	South step out	
84A-4	4.2	0.00042	West step out	
84A-5	8.4	0.00084		
84A-6	2.9	0.00029		
84A-7	2.7	0.00027		
84A-8	3.4	0.00034		
85A	2.8	0.00028		
84A-9	4.7	0.00047	Half grid space south of 84A	
52A	25.8	0.00258		
Dozer tracks	6.4	0.00064		
Entry Ramp	2.2	0.00022		
<b>EPA 10 - Gas Accumulation points</b>				
1	2.6	0.00026		
2	2.6	0.00026		
3	2.6	0.00026		
4	2.6	0.00026		
5	2.6	0.00026		
6	2.5	0.00025		
7	2.5	0.00025		



## Bargo WMC

### Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

<b>Project Number</b>	30012992
<b>Sampling Dates</b>	2022-10-12 10:00 to 2022-10-12 11:40
<b>Sampler Name</b>	Anthony Yu
<b>Weather Conditions</b>	Cloudy Low winds cool 16C
<b>Weather Station</b>	High Range (Wanganderry)
<b>BoM Barometric Pressure (mB)</b>	1022.8 (Rising) recorded at 09:30
<b>Device Atmospheric Pressure (mB)</b>	
<b>Wind Speed (km/h)</b>	6
<b>Instrument ID</b>	Huberg Laser One SN16233
<b>Date of Calibration</b>	Huberg Laser One SN16233 (17/11/2021)

#### 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		
<b>EPA 9 - Surface points</b>				
1	2.4	0.00024		
2	2.3	0.00023		
3	2.3	0.00023		
4	2.3	0.00023		
5	2.3	0.00023		
6	2.3	0.00023		
7	2.3	0.00023		
8	2.3	0.00023		
10	2.6	0.00026		
11	2.4	0.00024		
12	2.4	0.00024		
13	2.4	0.00024		
14	7.3	0.00073		
15	2.3	0.00023		
16	2.4	0.00024		
17	4.5	0.00045		
18	3.2	0.00032		
19	2.5	0.00025		
20	3.1	0.00031		
21	2.5	0.00025		
22	2.4	0.00024		
23	2.4	0.00024		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
24	2.3	0.00023		
25	2.3	0.00023		
26	2.3	0.00023		
27	2.3	0.00023		
28	2.3	0.00023		
29	2.5	0.00025		
30	2.4	0.00024		
31	2.8	0.00028		
32	2.5	0.00025		
33	3.5	0.00035		
34	2.7	0.00027		
35	2.4	0.00024		
36	2.3	0.00023		
37	2.5	0.00025		
38	2.3	0.00023		
39	2.3	0.00023		
40	2.3	0.00023		
41	2.3	0.00023		
43	2.3	0.00023		
44	2.4	0.00024		
45	2.5	0.00025		
46	2.5	0.00025		
47	2.4	0.00024		
48	2.6	0.00026		
49	2.6	0.00026		
50	2.6	0.00026		
51	10.5	0.00105	Additional cover placed since July22. Crumbly - does not appear to be sufficiently compacted.	
52	28.7	0.00287		
53	145	0.0145		
54	2.4	0.00024		
55	2.5	0.00025		
56	28000	2.8		1, 2, 3
57	6.5	0.00065		
58	6.3	0.00063		
59	3.8	0.00038		
60	3	0.0003		
61	2.3	0.00023		
62	2.5	0.00025		
63	2.6	0.00026		
65	2.5	0.00025		



**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
66	2.5	0.00025		
67	2.5	0.00025		
68	2.8	0.00028		
69	2.6	0.00026		
70	2.5	0.00025		
71	3.2	0.00032		
72	4.3	0.00043		
73	2.6	0.00026		
74	3.1	0.00031		
75	2.6	0.00026		
76	2.4	0.00024		
77	2.5	0.00025		
78	2.7	0.00027		
79	2.5	0.00025		
80	2.4	0.00024		
81	2.5	0.00025		
82	2.4	0.00024		
83	3	0.0003		
84	2.4	0.00024		
85	2.5	0.00025		
86	2.5	0.00025		
87	2.5	0.00025		
88	2.5	0.00025		
<b>Additional Monitoring points</b>				
1-A1	2.6	0.00026		
2-A1	2.5	0.00025		
3-A1	2.5	0.00025		
4-A1	2.5	0.00025		
5-A1	2.7	0.00027		
6-A1	2.6	0.00026		
7-A1	3.3	0.00033		
8-A1	2.6	0.00026		
9-A1	2.4	0.00024		
10-A1	2.5	0.00025		
11-A1	2.5	0.00025		
12-A1	2.6	0.00026		
13-A1	2.4	0.00024		
14-A1	2.5	0.00025		
15-A1	2.4	0.00024		
16-A1	2.4	0.00024		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
17-A1	2.4	0.00024		
18-A1	8	0.0008		
19-A1	30	0.003		
20-A1	5.8	0.00058		
21-A1	2.7	0.00027		
22-A1	2.4	0.00024		
23-A1	2.4	0.00024		
24-A1	2.6	0.00026		
25-A1	2500	0.25		4, 5, 6
26-A1	49	0.0049		
27-A1	4.3	0.00043		
28-A1	2.4	0.00024		
29-A1	2.5	0.00025		
30-A1	2.2	0.00022		
31-A1	2.3	0.00023		
32-A1	2.8	0.00028		
33-A1	2.5	0.00025		
34-A1	2.5	0.00025		
35-A1	2.3	0.00023		
36-A1	2.5	0.00025		
37-A1	2.4	0.00024		
38-A1	2.7	0.00027		
39-A1	7.4	0.00074	Additional cover placed since July22. Crumbly - does not appear to be sufficiently compacted.	
40-A1	2.4	0.00024		
41-A1	2.7	0.00027		
42-A1	2.5	0.00025		
43-A1	3	0.0003		
44-A1	3	0.0003		
45-A1	2.8	0.00028		
46-A1	335	0.0335		
47-A1	2.6	0.00026		
48-A1	2.6	0.00026		
49-A1	2.6	0.00026		
50-A1	2.3	0.00023		
74A	8.5	0.00085	Cover placed sin Jan22	
73A	2.9	0.00029		
84A	2.5	0.00025	Edge of steep slope. Deviation from original point location.	
84A-1	2.7	0.00027	Step out location North, Under tree	
84A-2	3.2	0.00032		
84A-3	6.7	0.00067	South step out	

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
84A-4	2.7	0.00027	West step out	
84A-5	19	0.0019		
84A-6	5	0.0005		
84A-7	2.7	0.00027		
84A-8	2.7	0.00027		
85A	2.5	0.00025		
84A-9	2.7	0.00027	Half grid space south of 84A	
52A	258	0.0258		
Dozer tracks	3	0.0003		
Entry Ramp	106	0.0106		
Septic tank	102	0.0102		7
56-1	8	0.0008		
56-2	8	0.0008		
56-3	76	0.0076	5m South stepout	
56-4	11	0.0011		
<b>EPA 10 - Gas Accumulation points</b>				
1	2.5	0.00025		
2	2.4	0.00024		
3	2.5	0.00025		
4	2.5	0.00025		
5	2.5	0.00025		
6	2.4	0.00024		
7	2.5	0.00025		



## Bargo WMC

### Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

<b>Project Number</b>	30012992
<b>Sampling Dates</b>	2022-11-09 09:00 to 2022-11-09 13:00
<b>Sampler Name</b>	Anthony Yu/Lachlan Don
<b>Weather Conditions</b>	Cloudy Low winds cool 16C
<b>Weather Station</b>	High Range (Wanganderry)
<b>BoM Barometric Pressure (mB)</b>	1019.4 (Rising) recorded at 08:30
<b>Device Atmospheric Pressure (mB)</b>	
<b>Wind Speed (km/h)</b>	6
<b>Instrument ID</b>	Huberg Laser One SN508336
<b>Date of Calibration</b>	Huberg Laser One SN508336 (TBC)

#### 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		
<b>EPA 9 - Surface points</b>				
1	2	0.0002		
2	2.3	0.00023		
3	2.2	0.00022		
5	2.1	0.00021		
6	2.1	0.00021		
7	2.1	0.00021		
8	2.1	0.00021		
10	2.1	0.00021		
11	2.1	0.00021		
12	2.1	0.00021		
13	2.1	0.00021		
14	2.9	0.00029		
15	2.3	0.00023		
16	2	0.0002		
17	2.1	0.00021		
18	2.3	0.00023		
19	2.2	0.00022		
20	24	0.0024		
21	3.7	0.00037		
22	2	0.0002		
23	2	0.0002		
24	2.1	0.00021		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
25	2.1	0.00021		
26	2.1	0.00021		
27	2.1	0.00021		
28	2.1	0.00021		
29	3.4	0.00034		
30	2.3	0.00023		
31	3.1	0.00031		
32	1.9	0.00019		
33	2	0.0002		
34	2.4	0.00024		
35	2.1	0.00021		
36	2.1	0.00021		
37	2.1	0.00021		
39	2.5	0.00025		
40	2.1	0.00021		
41	2.1	0.00021		
42	2.4	0.00024		
43	2.1	0.00021		
44	2.2	0.00022		
45	2.1	0.00021		
46	2	0.0002		
47	23.6	0.00236		
48	2	0.0002		
49	2.1	0.00021		
50	2.4	0.00024		
51	2.2	0.00022	Additional cover placed since July22. Crumbly - does not appear to be sufficiently compacted.	
52	34.8	0.00348		
53	2.6	0.00026		
54	2.4	0.00024		
55	2.7	0.00027		
56	20000	2	Previous exceedance in october22, no additional cover placed.	1, 2, 3
57	2.1	0.00021		
58	2.1	0.00021		
59	2.3	0.00023		
60	2.2	0.00022		
62	2	0.0002		
63	2.1	0.00021		
65	2.1	0.00021		
66	2.1	0.00021		
67	2.1	0.00021		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
68	2.5	0.00025		
69	2.1	0.00021		
70	2.1	0.00021		
71	2.8	0.00028		
72	4.8	0.00048		
73	2.5	0.00025		
74	2.2	0.00022		
75	2.2	0.00022		
76	2.4	0.00024		
77	2.5	0.00025		
78	2.6	0.00026		
79	2.4	0.00024		
80	2.4	0.00024		
81	2.5	0.00025		
82	2.5	0.00025		
83	5.2	0.00052		
84	2.5	0.00025		
85	2.4	0.00024		
86	2.5	0.00025		
87	2.6	0.00026		
88	2.6	0.00026		
<b>Additional Monitoring points</b>				
1-A1	2.5	0.00025		
2-A1	2.5	0.00025		
3-A1	2.5	0.00025		
4-A1	2.5	0.00025		
5-A1	3.2	0.00032		
6-A1	2.5	0.00025		
7-A1	2.5	0.00025		
8-A1	2.5	0.00025		
9-A1	2.4	0.00024		
10-A1	2.3	0.00023		
11-A1	2.2	0.00022		
12-A1	2.6	0.00026		
13-A1	2.1	0.00021		
14-A1	2.1	0.00021		
15-A1	2.1	0.00021		
16-A1	2.4	0.00024		
17-A1	2.4	0.00024		
18-A1	2.6	0.00026		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
19-A1	800	0.08	Previous exceedance, with marked flag	
20-A1	2.4	0.00024		
21-A1	2.1	0.00021		
22-A1	2	0.0002		
23-A1	2.4	0.00024		
24-A1	2.5	0.00025		
25-A1	54	0.0054		
26-A1	24.9	0.00249		
27-A1	2.6	0.00026		
28-A1	2.6	0.00026		
29-A1	2.4	0.00024		
30-A1	2.3	0.00023		
31-A1	2.5	0.00025		
32-A1	2.5	0.00025		
33-A1	2.3	0.00023		
34-A1	2.3	0.00023		
35-A1	2.3	0.00023		
36-A1	2.3	0.00023		
37-A1	2.3	0.00023		
38-A1	2.5	0.00025		
39-A1	4.7	0.00047	Additional cover placed since July22. Crumbly - does not appear to be sufficiently compacted.	
40-A1	2.3	0.00023		
41-A1	2.3	0.00023		
42-A1	2.3	0.00023		
43-A1	22.6	0.00226		
44-A1	2.4	0.00024		
45-A1	2.4	0.00024		
46-A1	337	0.0337		
47-A1	2.3	0.00023		
48-A1	2.2	0.00022		
49-A1	2.2	0.00022		
50-A1	2.2	0.00022		
74A	890	0.089	Cover placed sin Jan22	4, 5
73A	1600	0.16		6, 7
84A	3	0.0003	Edge of steep slope. Deviation from original point location.	
84A-1	5.2	0.00052	Step out location North, Under tree	
84A-3	5.4	0.00054	South step out	
84A-4	2.7	0.00027	West step out	
84A-5	3.6	0.00036		
84A-6	2.9	0.00029		



### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
84A-7	2.9	0.00029		
84A-8	2.6	0.00026		
84A-9	3	0.0003	Half grid space south of 84A	
52A	980	0.098	Existing exceedance, flag marked.	8
Dozer tracks	2.6	0.00026		
Entry Ramp	759	0.0759		
Septic tank	54	0.0054		
56-1	380	0.038	5m North stepout from Location 56	
56-2	11000	1.1	5m East stepout from Location 56	9
56-3	2.1	0.00021	5m South stepout from Location 56	
56-4	20000	2	5m West stepout from Location 56	10, 11
56-5	1900	0.19	5m South stepout from Location 56-4	12
56-6	10.9	0.00109	5m West stepout from Location 56-4	
56-7	17.9	0.00179	5m North stepout from Location 56-4	
<b>EPA 10 - Gas Accumulation points</b>				
1	2.2	0.00022		
2	2.2	0.00022		
3	2.1	0.00021		
4	2.2	0.00022		
5	2.2	0.00022		



## Bargo WMC

### Landfill Gas Emissions Monitoring and Gas Accumulation Monitoring Results

<b>Project Number</b>	30012992
<b>Sampling Dates</b>	2022-12-20 10:14 to 2022-12-20 13:00
<b>Sampler Name</b>	Lachlan Don
<b>Weather Conditions</b>	Cloudy Low winds cool 16C
<b>Weather Station</b>	High Range (Wanganderry)
<b>BoM Barometric Pressure (mB)</b>	1020 (Falling) recorded at 10:15
<b>Device Atmospheric Pressure (mB)</b>	
<b>Wind Speed (km/h)</b>	9
<b>Instrument ID</b>	GEOTECH SEM5000 SN 41015
<b>Date of Calibration</b>	22/08/2022

#### 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		
<b>EPA 9 - Surface points</b>				
1	2.5	0.00025		
2	2.5	0.00025		
3	2.5	0.00025		
4	2.5	0.00025		
5	2.5	0.00025		
6	2.3	0.00023		
7	2.2	0.00022		
8	2.3	0.00023		
10	2.5	0.00025		
11	2.4	0.00024		
12	2.6	0.00026		
13	2.5	0.00025		
14	3	0.0003		
15	2.9	0.00029		
16	2.6	0.00026		
17	2.6	0.00026		
18	2.6	0.00026		
19	2.4	0.00024		
20	62	0.0062		
21	2.4	0.00024		
22	2.4	0.00024		
23	2.4	0.00024		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
24	2.4	0.00024		
25	2.4	0.00024		
26	2.4	0.00024		
27	2.2	0.00022		
28	2.3	0.00023		
29	3.4	0.00034		
30	3	0.0003		
31	4.5	0.00045		
32	2.6	0.00026		
33	2.5	0.00025		
34	2.4	0.00024		
35	2.6	0.00026		
36	2.5	0.00025		
37	2.4	0.00024		
38	2.4	0.00024		
39	2.4	0.00024		
40	2.3	0.00023		
41	2.3	0.00023		
42	2.3	0.00023		
43	2.2	0.00022		
44	2.4	0.00024		
45	2.4	0.00024		
46	2.7	0.00027		
47	2.7	0.00027		
48	2.5	0.00025		
49	2.4	0.00024		
50	2.6	0.00026		
51	2.7	0.00027	Additional cover placed since July22. Crumbly - does not appear to be sufficiently compacted.	
52	2230	0.223		1, 2
53	3	0.0003		
54	2.8	0.00028		
55	2.9	0.00029		
56	330	0.033	Previous exceedance in october22, no additional cover placed.	
57	2.5	0.00025		
58	2.5	0.00025		
59	3	0.0003		
60	2.5	0.00025		
61	2.4	0.00024		
62	2.2	0.00022		
63	2.3	0.00023		

**Landfill Gas Surface Monitoring Results**

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
64	2.3	0.00023		
65	2.3	0.00023		
66	2.6	0.00026		
67	2.2	0.00022		
68	2.5	0.00025		
69	2.4	0.00024		
70	2.4	0.00024		
71	6.8	0.00068		
72	5.5	0.00055		
73	2.6	0.00026		
74	2.2	0.00022		
75	3.1	0.00031		
76	2.5	0.00025		
77	2.2	0.00022		
78	2.3	0.00023		
79	2.3	0.00023		
80	2.4	0.00024		
81	2.5	0.00025		
82	2.5	0.00025		
83	8	0.0008		
84	6.4	0.00064		
85	3	0.0003		
86	2.4	0.00024		
87	2.5	0.00025		
88	2.3	0.00023		
<b>Additional Monitoring points</b>				
1-A1	2.4	0.00024		
2-A1	2.2	0.00022		
3-A1	2.3	0.00023		
4-A1	2.3	0.00023		
5-A1	2.5	0.00025		
6-A1	2.3	0.00023		
7-A1	2.3	0.00023		
8-A1	2.3	0.00023		
9-A1	2.5	0.00025		
10-A1	2.4	0.00024		
11-A1	2.4	0.00024		
12-A1	2.5	0.00025		
13-A1	2.4	0.00024		
14-A1	2.5	0.00025		

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
15-A1	2.5	0.00025		
16-A1	2.4	0.00024		
17-A1	2.6	0.00026		
18-A1	2.6	0.00026		
19-A1	2485	0.2485	Previous exceedance, with marked flag	3
20-A1	2.7	0.00027		
21-A1	2.7	0.00027		
22-A1	2.6	0.00026		
23-A1	2.5	0.00025		
24-A1	2.6	0.00026		
25-A1	57.4	0.00574		
26-A1	36	0.0036		
27-A1	2.8	0.00028		
28-A1	5.7	0.00057		
29-A1	3.9	0.00039		
30-A1	3.3	0.00033		
31-A1	5	0.0005		
32-A1	2.8	0.00028		
33-A1	2.6	0.00026		
34-A1	2.7	0.00027		
35-A1	2.6	0.00026		
36-A1	3	0.0003		
37-A1	2.9	0.00029		
38-A1	2.8	0.00028		
39-A1	2.9	0.00029	Additional cover placed since July22. Crumbly - does not appear to be sufficiently compacted.	
40-A1	2.8	0.00028		
41-A1	3	0.0003		
42-A1	105	0.0105		4
43-A1	44.9	0.00449		
44-A1	2.43	0.000243		
45-A1	15.6	0.00156		
46-A1	2140	0.214		5
47-A1	3.3	0.00033		
48-A1	24.9	0.00249		
49-A1	2.7	0.00027		
50-A1	2.5	0.00025		
74A	28.5	0.00285	Cover placed sin Jan22	
73A	539	0.0539		
84A	554	0.0554	Edge of steep slope. Deviation from original point location.	6, 7
84A-1	3.2	0.00032	Step out location North, Under tree	

### Landfill Gas Surface Monitoring Results

Location ID	Methane Concentration		Comments	Photos
	ppmv	% v/v		
84A-2	104	0.0104		8, 9
84A-3	118	0.0118	South step out	
84A-4	4400	0.44	West step out	10, 11
84A-5	3.2	0.00032		
84A-6	2.5	0.00025		
84A-7	3.4	0.00034		
84A-8	3	0.0003		
85A	2.6	0.00026		
84A-9	3	0.0003	Half grid space south of 84A	
52A	329	0.0329	Existing exceedance, flag marked.	12
Dozer tracks	3.2	0.00032		
Entry Ramp	2.7	0.00027		
Septic tank	23.8	0.00238		
56-1	11	0.0011	5m North stepout from Location 56	
56-2	1900	0.19	5m East stepout from Location 56	
56-3	8.2	0.00082	5m South stepout from Location 56	
56-4	2500	0.25	5m West stepout from Location 56	
56-5	760	0.076	5m South stepout from Location 56-4	13
56-6	322	0.0322	5m West stepout from Location 56-4	
56-7	188	0.0188	5m North stepout from Location 56-4	
83A	8880	0.888		14
<b>EPA 10 - Gas Accumulation points</b>				
1	2.3	0.00023		
2	2.3	0.00023		
3	2.3	0.00023		
4	2.4	0.00024		
5	2.6	0.00026		
6	2.3	0.00023		
7	2.3	0.00023		

