

ALS Landfill Emissions Report

Client: Wollongong City Council

Date: 23/04/2021

Site: Whytes Gully

Sampler(s) Robert & Megan

Transact / Location	Point	GPS North	GPS East	CH4 Conc (ppm)	Comments
1	1				Overgrown /No Access
2	1				Overgrown /No Access
3	1				Overgrown /No Access
4	1	6184 191	298 156	2.0	
4	2	6184 180	298 159	2.0	
4	3	6184 169	298 161	2.1	
4	4	6184 162	298 162	14.2	
4	5	6184 154	298 166	3.8	
4	6	6184 142	298 167	5.6	
4	7	6184 137	298 171	4.5	
5	1				Overgrown /No Access
6	1	6184 205	298 184	5.1	
6	2	6184 201	298 187	2.6	
6	3				Overgrown grass past knees and thighs

7	1	6184 230	298 197	380.0	
7	2	6184 220	298 199	542.8	second reading 1835.0, 1M forward 32.0, 1M back 13.6
7	3	6184 209	298 198	145.1	
7	4	6184 204	298 202	4.9	
7	5	6184 199	298 203	52.0	
7	6	6184 191	298 205	784.0	1M forward 9.6, 1M back 146.3
8	1				Overgrown /No Access
9	1	6184 381	298 096	33.1	
9	2	6184 369	298 112	37.8	
9	3	6184 347	298 113	130.0	
9	4	6184 317	298 115	70.1	
9	5	6184 291	298 128	22.8	
9	6	6184 282	298 154	6.6	
10	1	6184 476	298 192	10.2	
10	2	6184 500	298 239	4.8	
10	3	6184 494	298 287	4.8	
10	4	6184 491	298 327	3.7	
10	5	6184 457	298 350	12.3	
10	6	6184 423	298 351	19.3	

10	7	6184 389	298 364	3.4	
10	8	6184 340	298 348	22.0	
10	9	6184 302	298 334	44.6	
10	10	6184 261	298 310	2.8	
10	11	6184 262	298 281	2.6	
10	12	6184 294	298 269	65.7	
10	13	6184 328	298 267	22.9	
10	14	6184 357	298 263	31.5	Methane Cage
10	15	6184 368	298 276	17.7	
11	1	6184 252	298 261	2.8	
11	2	6184 275	298 241	8.3	
11	3	6184 297	298 228	25.2	
11	4	6184 310	298 222	56.2	
11	5	6184 325	298 223	42.7	
11	6	6184 325	298 205	34.5	
11	7	6184 336	298 196	23.8	
11	8	6184 346	298 210	26.8	
12	1				Non existant on site map.
A	1	6184 302	297 697	2.1	

A	2	6184 306	297 683	2.1	
A	3	6184 307	297 665	2.1	
A	4	6184 310	297 639	2.1	
B	1				No Access Overgrown
C	1	6184 329	297 643	2.1	
C	2	6184 340	297 672	2.1	
C	3	6184 353	297 708	2.1	
C	4	6184 352	297 755	2.0	
C	5	6184 340	297 79	2.1	
C	6	6184 335	297 830	2.1	
C	7	6184 331	298 868	2.6	
C	8	6184 342	298 907	2.7	
C	7	6184 367	298 940	5.1	
D	1	6184 386	298 858	2.2	
D	2	6184 383	298 836	2.1	
D	3	6184 382	298 811	2.3	
D	4	6184 378	297 788	2.1	
E	1	6184 400	297 784	2.3	
E	2	6184 398	297 805	2.8	

E	3	6184 404	297 829	2.9	
E	4	6184 406	297 852	4.1	
E	5	6184 407	297 876	4.1	Methane Cage
E	6	6184 407	297 895	2.6	
E	7	6184 378	297 774	2.1	
F	1	6184 453	297 799	2.0	
F	2	6184 465	297 834	2.0	
F	3	6184 430	297 784	2.1	
F	4	6184 435	297 822	2.1	
F	5	6184 438	297 847	2.1	
F	6	6184 439	298 869	2.1	
F	7	6184 440	297 899	2.1	
F	8	6184 435	298 933	2.2	
G	1	6184 411	297 741	2.1	
G	2	6184 424	297 764	2.1	
G	3				NO ACCESS, HEAVILY OVERGROWN
G	4				vegetation at head level, track not visible
H	1	6184 439	298 035	12.6	
H	2	6184 460	297 988	2.7	
H	3	6184 470	297 950	678.0	Methane Cage

H	4	6184 473	297 917	2.2	
H	5	6184 480	297 879	2.2	
H	6	6184 486	297 784	2.0	
I	1	6184 494	297 812	2.0	
I	2	6184 493	297 841	2.0	
I	3	6184 492	297 869	2.0	
I	4	6184 488	297 903	2.0	
I	5	6184 481	297 950	2.0	
I	6	6184 464	298 015	3.3	
J	1	6184 516	298 001	2.1	
J	2	6184 519	297 972	2.1	
J	3	6184 519	297 947	2.1	
J	4	6184 524	297 916	2.1	
J	5	6184 528	297 884	2.2	
J	6	6184 526	297 860	2.2	
K	1	6184 560	297 883	2.2	
K	2	6184 570	297 909	2.2	
K	3	6184 575	297 937	2.2	
K	4	6184 574	297 958	3.7	
K	5	6184 571	297 979	2.9	

K	6	6184 558	298 998	2.1	
L	1	6184 577	297 996	2.1	
L	2	6184 586	297 977	2.1	
L	3	6184 592	297 942	2.2	
L	4	6184 583	297 912	2.5	
L	5	6184 565	297 884	8.3	
M	1	6184 591	297 921	2.2	
M	2	6184 598	297 953	4.2	
M	3	6184 604	297 978	11.8	
M	4	6184 609	297 979	2.9	
M	5	6184 611	297 006	2.4	
N	1	6184 623	298 701	3.1	
N	2	6184 018	297 987	2.2	
N	3	6184 605	297 966	2.1	
N	4	6184 598	297 934	2.7	
N	5	6184 594	297 918	2.2	
SWERF	1	6183 995	297 994	2.0	
SWERF	2	6184 011	297 961	2.0	

Weighbridge		1	6184 042	297 748	2.0	
Crib Room		1	6184 168	297 974	2.0	
Ops Office		1	6184 168	297 974	2.0	
Recycle Centre	Eastern Area				2.0	
Recycle Centre	Western Area				2.0	
Methane Blank (Pre testing)		1			2.4	Taken at entrance to Whytes Gully site before main gate
Methane Blank (Post testing)		1			2.4	Taken at entrance to Whytes Gully site before main gate
GlennGary Cottage	Managers Office		6183 896	297 954	2.0	
GlennGary Cottage	Front Office		6183 896	297 954	2.0	
GlennGary Cottage	Meeting Room		6183 896	297 954	2.0	
GlennGary Cottage	Operations Room		6183 896	297 954	2.0	
GlennGary Cottage	Kitchen		6183 896	297 954	2.0	
GlennGary Cottage	Hallway		6183 896	297 954	2.0	

GlennGary Cottage	Store	6183 896	297 954	2.0	
GlennGary Cottage	Max reading gardens			2.0	
181 Reddalls Rd, fenceline adjoining landfill	1	6184 607	297846	2.1	
181 Reddalls Rd, Immediate gardens max value	2	6184 600	297800	2.1	
181 Reddalls Rd, fenceline adjoining landfill	3	6184 580	297760	2.1	
181 Reddalls Rd, Immediate gardens max value	4	6184 764	297735	2.1	
181 Reddalls Rd, fenceline adjoining landfill	5	6184 520	297698	2.1	
181 Reddalls Rd, Immediate gardens max value	6	6184 529	297650	2.1	
181 Reddalls Rd, fenceline adjoining landfill	7	6184 500	297640	2.1	
181 Reddalls Rd, fenceline adjoining landfill	8	6184 500	297600	2.1	
181 Reddalls Rd, Immediate gardens max value	1			2.1	
Lot 1 Farborough Rd, fenceline adjoining landfill	1	6184 554	298 380	2.1	
Lot 1 Farborough Rd, fenceline adjoining landfill	2	6184 544	298 337	2.2	
Lot 1 Farborough Rd, fenceline adjoining landfill	3	6184 552	298 284	2.3	
Lot 1 Farborough Rd, fenceline adjoining landfill	4	6184 591	298 231	2.3	
Lot 1 Farborough Rd, fenceline adjoining landfill	5	6184 613	298 178		Overgrown / No Access

Lot 1 Farborough Rd, fenceline adjoining landfill	6	6184 634	298 138		Overgrown / No Access
Lot 1 Farborough Rd, fenceline adjoining landfill	7	6184 500	298 640		Overgrown / No Access
Lot 1 Farborough Rd, fenceline adjoining landfill	8	6184 500	298 600		Overgrown / No Access

Comments:

Sampling performed in accordance to EPA Environmental Guidelines Solid Waste Landfills, Second Edition, 2016
Gas concentrations are reported as raw values without correction for background concentration.

