

ALS Landfill Emissions Report

Client: Wollongong City Council

Date: 8/06/2021

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	298 158	15.6	
4	2	6184 175	298 161	10.5	
4	3	6184 161	298 165	12.5	
4	4	6184 145	298 167	12.5	
4	4	6184 133	298 175	33.1	
5	1				Overgrown; transact indistinguishable
6	1	6184 137	298 211	45.3	
6	2	6184 153	298 209	13.6	
6	3	6184 171	298 205	9.8	
6	4	6184 199	298 196	9.7	
6	5	6184 210	298 189	18.0	
7	1				Overgrown; cannot discern transact
8	1	6184 227	298 197	213.6	Stake in ground
8	2	6184 214	298 199	29.3	
8	3	6184 204	298 203	42.9	
8	4	6184 191	298 208	430.3	
9	1				NO ACCESS

10	1	6184 465	298 185	3.1	
10	2	6184 501	298 229	3.4	
10	3	6184 493	298 285	17.3	
10	4	6184 487	298 342	10.9	
10	5	6184 458	298 352	29.5	
10	6	6184 409	298 361	24.7	
10	7	6184 351	298 354	12.4	
10	8	6184 290	298 331	18.2	
10	9	6184 256	298 294	8.7	
10	10	6184 287	298 273	29.6	
10	11	6184 331	298 269	6.3	
10	12	6184 359	298 266	13.6	Methane cage
10	13	6184 367	298 280	4.7	
11	1	6184 242	298 276	8.9	
11	2	6184 260	298 253	17.2	
11	3	6184 283	298 238	11.6	
11	4	6184 304	298 225	10.3	
11	5	6184 343	298 216	12.8	
11	6	6184 364	298 221	40.6	
11	7	6184 355	298 204	50.3	
11	8	6184 333	298 195	22.6	
12	1	6184 373	298 1058	20.3	
12	2	6184 362	298 115	16.3	
12	3	6184 330	298 114	28.9	
12	4	6184 303	298 123	16.4	
12	5	6184 281	298 136	16.2	
12	6	6184 273	298 155	23.4	
12	7	6184 270	298 181	25.2	

A	1	6184 301	297 734	3.1	
A	2	6184 303	297 711	3.3	
A	3	6184 307	297 686	3.1	
A	4	6184 309	297 658	3.2	
A	5	6184 314	297 630	3.1	
B	1				No access
C	1	6184 338	297 662	3.0	
C	2	6184 355	297 704	3.0	
C	3	6184 357	297 753	2.8	
C	4	6184 345	297 797	3.7	
C	5	6184 339	297 831	3.0	
C	6	6184 337	297 875	3.0	
C	7	6184 355	297 916	3.7	
C	8	6184 390	297 989	3.2	
D	1	6184 388	297 855	2.9	
D	2	6184 384	297 831	3.3	
D	3	6184 378	297 808	3.3	
D	4	6184 377	297 790	3.2	
D	5	6184 371	297 758	5.1	
E	1	6184 398	297 784	2.3	
E	2	6184 404	297 817	2.4	
E	3	6184 408	297 843	2.5	
E	4	6184 408	297 872	2.5	Methane cage
E	5	6184 408	297 892	2.6	
E	6	6184 407	297 914	2.7	
F	1	6184 456	297 802	3.1	
F	2	6184 468	297 836	3.0	

F	3	6184 434	297 819	2.4	
F	4	6184 439	297 858	2.2	
F	5	6184 440	297 882	2.1	
F	6	6184 437	297 913	2.1	
F	7	6184 431	297 944	2.6	
G	1	6184 415	297 740	44.3	
G	2	6184 430	297 786	2.5	
G	3	6184 464	297 891	2.7	Methane Cage
G	4	6184 463	297 919	1.9	
G	5	6184 459	297 950	1.7	
G	6	6184 458	297 955	2.2	
G	7	6184 456	297 973	1.9	
G	8	6184 461	297 916	2.0	
H	1	6184 454	298 014	3.6	
H	2	6184 464	297 982	3.3	
H	3	6184 472	297 951	3.6	Methane Cage
H	4	6184 479	297 914	3.3	
H	5	6184 483	297 882	3.2	
H	6	6184 485	297 841	3.4	
I	1	6184 493	297 808	98.8	
I	2	6184 492	297 844	2.6	
I	3	6184 491	297 872	2.1	
I	4	6184 489	297 909	2.6	
I	5	6184 481	297 951	2.5	
I	6	6184 466	298 011	2.3	
J	1	6184 514	298 004	6.3	
J	2	6184 517	297 974	3.5	
J	3	6184 523	287 939	2.8	

J	4	6184 572	287 907	2.4
J	5	6184 528	287 875	2.4
K	1	6184 549	297 871	4.3
K	2	6184 568	297 914	2.9
K	3	6184 572	297 935	2.1
K	4	6184 575	297 959	7.0
K	5	6184 572	297 982	2.0
K	6	6184 571	298 008	88.8
L	1	6184 588	298 17	2.2
L	2	6184 596	297 996	3.3
L	3	6184 593	297 983	16.6
L	4	6184 596	297 967	436.0
L	5	6184 600	297 949	105.3
L	6	6184 600	297 934	104.1
M	1	6184 591	297 921	7.8
M	2	6184 597	297 936	46.5
M	3	6184 600	297 962	2.6
M	4	6184 598	297 978	2.5
M	5	6184 598	297 991	2.1
M	6	6184 597	298 010	2.1
N	1	6184 621	298 5	1.9
N	2	6184 616	297 984	1.9
N	3	6184 612	297 954	1.9
N	4	6184 592	297 913	1.9
N	5	6184 597	297 890	18.0
SWERF	1	6183 995	297 994	8.2
SWERF	2	6184 011	297 961	4.3

Weighbridge		1	6184 042	297 748	2.9	
Crib Room		1	6184 168	297 974	3.9	
Ops Office		1	6184 168	297 974	3.3	
Recycle Centre	Eastern Area				3.9	
Recycle Centre	Western Area				4.1	
Methane Blank (Pre testing)		1			2.8	Taken at entrance to Whytes Gully site before main gate
Methane Blank (Post testing)		1			2.9	Taken at entrance to Whytes Gully site before main gate
GlennGary Cottage	Managers Office		6183 896	297 954	3.1	
GlennGary Cottage	Front Office		6183 896	297 954	3.2	
GlennGary Cottage	Meeting Room		6183 896	297 954	3.2	
GlennGary Cottage	Operations Room		6183 896	297 954	3.2	
GlennGary Cottage	Kitchen		6183 896	297 954	3.2	
GlennGary Cottage	Hallway		6183 896	297 954	3.7	
GlennGary Cottage	Store		6183 896	297 954	3.6	
GlennGary Cottage	Max reading gardens				4.4	
181 Reddalls Rd, fenceline adjoining landfill		1	6184 607	297846	2.2	
181 Reddalls Rd, Immediate gardens max value		2	6184 600	297800	2.2	
181 Reddalls Rd, fenceline adjoining landfill		3	6184 580	297760	2.2	
181 Reddalls Rd, Immediate gardens max value		4	6184 764	297735	2.3	

181 Reddalls Rd, fenceline adjoining landfill	5	6184 520	297698	2.4
181 Reddalls Rd, Immediate gardens max value	6	6184 529	297650	2.4
181 Reddalls Rd, fenceline adjoining landfill	7	6184 500	297640	2.5
181 Reddalls Rd, fenceline adjoining landfill	8	6184 500	297600	2.5
181 Reddalls Rd, Immediate gardens max value	1			2.4

Lot 1 Farborough Rd, fenceline adjoining landfill	1	6184 554	298 380	2.5
Lot 1 Farborough Rd, fenceline adjoining landfill	2	6184 544	298 337	2.6
Lot 1 Farborough Rd, fenceline adjoining landfill	3	6184 552	298 284	2.6
Lot 1 Farborough Rd, fenceline adjoining landfill	4	6184 591	298 231	2.6
Lot 1 Farborough Rd, fenceline adjoining landfill	5	6184 613	298 178	2.6
Lot 1 Farborough Rd, fenceline adjoining landfill	6	6184 634	298 138	2.6
Lot 1 Farborough Rd, fenceline adjoining landfill	7	6184 500	298 640	2.6
Lot 1 Farborough Rd, fenceline adjoining landfill	8	6184 500	298 600	2.6

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.

