

ALS Landfill Emissions Report

Client: Wollongong City Council

Date: 18/02/2021

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 187	298 155	2.5	
4	2	6184 170	298 160	2.1	
4	3	6184 163	298 164	2.3	
4	4	6184 116	298 171	2.3	
4	5	6184 136	298 173	2.5	
5	1				Overgrown /No Access
6	1				Overgrown /No Access
7	1	6184 197	298 229	2.2	
7	2	6184 220	298 197	2.3	
7	3	6184 213	298 199	2.9	
7	4	6184 204	298 203	2.6	
7	5	6184 192	298 210	2.0	
8	1				Overgrown /No Access
9	1				Overgrown /No Access
10	1	6184 456	298 179	9.0	
10	2	6184 501	298 225	2.9	
10	3	6184 496	298 281	2.6	
10	4	6184 494	298 331	2.1	

10	5	6184 456	298 350	14.3	
10	6	6184 399	298 366	5.7	
10	7	6184 363	298 356	11.2	
10	8	6184 312	298 337	3.4	
10	9	6184 273	298 319	9.2	
10	10	6184 257	298 297	4.8	
10	11	6184 296	298 273	9.5	
10	12	6184 328	298 269	13.2	
10	13	6184 355	298 266	5.4	Methane Cage
11	1	6184 248	298 269	4.8	
11	2	6184 256	298 255	4.2	
11	3	6184 272	298 242	5.7	
11	4	6184 289	298 233	12.2	
11	5	6184 317	298 226	7.5	
12	1	6184 385	298 092	24.6	
12	2	6184 362	298 113	60.1	
12	3	6184 433	298 113	21.0	
12	4	6184 298	298 131	13.8	
12	5	6184 284	298 164	9.1	
A	1	6184 304	297 720	10.8	
A	2	6184 303	297 708	7.7	
A	3	6184 305	297 684	5.6	
A	4	6184 306	297 661	5.6	
A	5	6184 309	297 638	5.7	
B					NO ACCESS
C	1	6184 334	297 649	6.0	

C	2	6184 349	297 684	6.6	
C	3	6184 361	297 734	4.4	
C	4	6184 347	297 791	3.9	
C	5	6184 342	297 825	5.1	
C	6	6184 338	297 863	7.9	
C	7	6184 345	298 902	9.2	
C	8	6184 372	298 948	8.3	
D	1	6184 389	298 879	6.1	
D	2	6184 387	298 851	4.8	
D	3	6184 383	298 822	5.0	
D	4	6184 378	297 787	4.7	
	5	6184 377	297 777	4.9	
D	6	6184 372	297 753	4.6	
E	1	6184 412	297 702	3.9	
E	2	6184 407	297 830	6.1	
E	3	6184 409	297 853	6.7	
E	4	6184 410	297 879	6.4	Methane Cage
E	5	6184 411	297 906	11.6	
F	1	6184 433	297 949	6.8	
F	2	6184 437	297 914	4.7	
F	3	6184 738	297 891	3.6	
F	4	6184 438	297 864	4.0	
F	5	6184 431	297 826	3.3	
F	6	6184 431	298 801	4.3	
F	7	6184 425	297 771	3.5	
G	1	6184 457	297 809	5.7	
G	2	6184 470	297 844	5.3	
G	3	6184 474	297 871	5.2	Methane Cage
G	4	6184 472	297 896	3.8	

G	5	6184 467	297 925	6.0	
G	6	6184 460	297 957	6.6	
H	1	6184 453	298 012	4.4	
H	2	6184 462	297 978	4.2	
H	3	6184 470	297 948	4.6	Methane Cage
H	4	6184 475	297 924	4.9	
H	5	6184 480	297 901	7.6	
H	6	6184 485	297 874	4.4	
H	7	6184 486	297 843	4.0	Methane Cage
I	1	6184 498	298 010	3.3	
I	2	6184 496	297 839	3.2	
I	3	6184 494	297 865	3.2	
I	4	6184 495	297 889	4.3	
I	5	6184 487	297 935	9.8	
I	6	6184 474	297 993	3.3	
J	1	6184 529	297 997	3.8	
J	2	6184 529	297 971	3.6	
J	3	6184 529	297 948	4.8	
J	4	6184 534	297 926	4.8	
J	5	6184 539	297 905	3.3	
K	1	6184 537	297 861	5.2	
K	2	6184 571	297 895	4.8	
K	3	6184 578	297 919	6.2	
K	4	6184 578	297 942	8.3	
K	5	6184 577	297 957	4.0	Site very boggy
K	6	6184 564	298 991	3.3	Site very boggy
L	1				Site very boggy / No Access

M		1				Site very boggy / No Access
N		1				Site very boggy / No Access
SWERF		1	6183 995	297 994	2.1	
SWERF		2	6184 011	297 961	2.1	
Weighbridge		1	6184 042	297 748	2.1	
Crib Room		1	6184 168	297 974	3.1	
Ops Office		1	6184 168	297 974	3.2	
Recycle Centre	Eastern Area				2.1	
Recycle Centre	Western Area				1.9	
Methane Blank (Pre testing)		1			2.8	Taken at entrance to Whytes Gully site before main gate
Methane Blank (Post testing)		1			3.1	Taken at entrance to Whytes Gully site before main gate
GlennGary Cottage	Managers Office		6183 896	297 954	2.7	
GlennGary Cottage	Front Office		6183 896	297 954	3.0	
GlennGary Cottage	Meeting Room		6183 896	297 954	2.6	
GlennGary Cottage	Operations Room		6183 896	297 954	2.8	
GlennGary Cottage	Kitchen		6183 896	297 954	2.9	
GlennGary Cottage	Hallway		6183 896	297 954	3.1	
GlennGary Cottage	Store		6183 896	297 954	3.2	
GlennGary Cottage	Max reading gardens				3.2	

181 Reddalls Rd, fenceline adjoining landfill	1	6184 607	297846	No Access / Wet Conditions
181 Reddalls Rd, Immediate gardens max value	2	6184 600	297800	
181 Reddalls Rd, fenceline adjoining landfill	3	6184 580	297760	
181 Reddalls Rd, Immediate gardens max value	4	6184 764	297735	
181 Reddalls Rd, fenceline adjoining landfill	5	6184 520	297698	
181 Reddalls Rd, Immediate gardens max value	6	6184 529	297650	
181 Reddalls Rd, fenceline adjoining landfill	7	6184 500	297640	
181 Reddalls Rd, fenceline adjoining landfill	8	6184 500	297600	
181 Reddalls Rd, Immediate gardens max value	1			
Lot 1 Farborough Rd, fenceline adjoining landfill	1	6184 554	298 380	No Access / Wet Conditions
Lot 1 Farborough Rd, fenceline adjoining landfill	2	6184 544	298 337	
Lot 1 Farborough Rd, fenceline adjoining landfill	3	6184 552	298 284	
Lot 1 Farborough Rd, fenceline adjoining landfill	4	6184 591	298 231	
Lot 1 Farborough Rd, fenceline adjoining landfill	5	6184 613	298 178	
Lot 1 Farborough Rd, fenceline adjoining landfill	6	6184 634	298 138	
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.				

