

ALS Landfill Emissions Report

Client: Wollongong City Council

Date: 9/12/2020

Site: Whytes Gully

Sampler(s) Robert

Transact / Location	Point	GPS North	GPS East	CH4 Conc (ppm)	Comments
2	1	6184 119	298 143	4.2	
2	2	6184 126	298 140	5.0	
2	3	6184 139	298 137	4.8	
2	4	6184 151	298 133	9.1	
4	1	6184 141	298 175	8.2	
4	2	6184 149	298 171	13.2	
4	3	6184 157	298 168	8.5	
4	4	6184 170	298 164	11.5	
4	5	6184 185	298 157	5.4	
6	1	6184 218	298 180	5.4	
6	2	6184 210	298 185	6.2	
6	3	6184 196	298 189	6.6	
6	4	6184 187	298 192	6.9	
6	5	6184 173	298 197	4.2	
6	6	6184 153	298 003	4.9	
6	7	6184 147	298 007	6.4	
6	8	6184 134	298 211	4.7	
8	1	6184 188	298 237	7.8	
8	2	6184 194	298 232	6.2	
8	3	6184 205	298 226	11.5	
8	4	6184 220	298 221	9.5	
8	5	6184 228	298 218	10.3	

8	6	6184 228	298 218	190.0	Reading before/after spaced at 1m
8	7	6184 231	298 215	50.0	
10	1	6184 461	298 179	3.1	
10	2	6184 495	298 214	3.2	
10	3	6184 498	298 244	3.0	
10	4	6184 492	298 295	3.0	
10	5	6184 485	298 342	3.2	
10	6	6184 451	298 352	15.2	
10	7	6184 412	298 357	14.8	
10	8	6184 360	298 355	13.0	
10	9	6184 306	298 337	14.0	
10	10	6184 263	298 312	4.7	
10	11	6184 276	298 278	18.3	
10	12	6184 323	298 268	3.7	
10	13	6184 356	298 265	3.4	
10	14	6184 367	298 278	3.1	
11	1	6184 251	297 260	5.0	
11	2	6184 274	297 242	3.8	
11	3	6184 289	297 232	9.1	
11	4	6184 309	297 225	19.1	
11	5	6184 326	297 206	11.1	
12	1				NO ACCESS
A	1	6184 314	297 704	2.1	
A	2	6184 306	297 691	2.1	
A	3	6184 307	297 667	2.1	
A	4	6184 307	297 645	2.1	
A	5	6184 315	297 626	2.1	

B					NO ACCESS
C	1	6184 339	297 647	2.1	
C	2	6184 349	297 679	2.1	
C	3	6184 359	297 709	2.1	
C	4	6184 359	297 748	2.2	
C	5	6184 342	297 794	2.2	
C	6	6184 331	297 822	2.4	
C	7	6184 329	298 854	2.5	
C	8	6184 338	298 897	2.6	
D	1	6184 388	298 884	3.7	
D	2	6184 391	298 861	2.9	
D	3	6184 389	298 835	2.7	
D	4	6184 383	297 810	2.6	
D	5	6184 377	297 787	2.6	
D	6	6184 376	297 770	2.6	
E	1	6184 400	297 790	2.8	
E	2	6184 403	297 815	2.8	
E	3	6184 405	297 844	3.0	
E	4	6184 405	297 860	2.9	
E	5	6184 407	297 875	2.8	Methane Cage
E	6	6184 411	297 894	2.9	
F	1	6184 412	297 842	3.0	Methane Cage
F	2	6184 423	297 868	3.1	
F	3	6184 430	297 895	3.3	
F	4	6184 432	297 933	3.3	
F	5	6184 435	297 975	3.3	
F	6	6184 439	298 012	3.2	
F	7	6184 440	297 053	3.2	

F	8	6184 429	297 082	2.8	
F	9	6184 439	297 906	2.8	
G	1	6184 452	297 797	3.0	
G	2	6184 457	297 818	3.0	
G	3	6184 466	297 839	3.0	
G	4	6184 474	297 865	3.0	Methane Cage
G	5	6184 472	297 892	2.8	
G	6	6184 465	297 910	2.7	
G	7	6184 459	297 939	2.7	
G	8	6184 453	297 975	2.7	
H	1	6184 452	298 012	3.0	
H	2	6184 459	298 984	3.1	
H	3	6184 467	298 957	3.3	
H	4	6184 475	298 946	3.3	Methane Cage
H	5	6184 479	297 915	3.3	
H	6	6184 483	297 888	3.3	
H	7	6184 486	297 863	3.2	
H	8	6184 489	297 838	3.1	Methane Cage
I	1	6184 495	297 817	2.8	
I	2	6184 493	297 848	2.7	
I	3	6184 491	297 877	2.7	
I	4	6184 488	297 909	2.6	
I	5	6184 483	297 936	2.8	
I	6	6184 475	297 971	2.8	
I	7	6184 462	298 016	2.7	
J	1	6184 526	297 995	2.6	
J	2	6184 529	297 973	3.0	
J	3	6184 531	297 953	3.0	
J	4	6184 534	297 934	2.6	

J	5	6184 542	297 904	2.6
K	1	6184 563	297 886	2.7
K	2	6184 572	297 915	2.4
K	3	6184 575	297 938	2.4
K	4	6184 575	297 958	2.4
K	5	6184 566	297 986	2.4
K	6	6184 562	298 006	2.4
L	1	6184 577	298 026	2.3
L	2	6184 580	298 006	2.5
L	3	6184 584	297 987	2.5
L	4	6184 601	297 969	2.6
L	5	6184 597	297 958	2.7
L	6	6184 592	297 948	2.7
M	1	6184 589	298 017	2.5
M	2	6184 591	297 999	2.4
M	3	6184 593	297 983	2.4
M	4	6184 610	297 973	2.6
M	5	6184 607	297 958	2.6
M	5	6184 600	297 944	2.6
N	1	6184 602	298 024	2.4
N	2	6184 607	298 009	2.5
N	3	6184 610	297 996	2.5
N	4	6184 612	297 979	2.6

N		5	6184 606	297 959	2.6	
N		6	6184 598	297 936	2.7	
SWERF		1	6183 995	297 994	3.0	
SWERF		2	6184 011	297 961	3.0	
Weighbridge		1	6184 042	297 748	2.8	
Crib Room		1	6184 168	297 974	3.2	
Ops Office		1	6184 168	297 974	3.0	
Recycle Centre	Eastern Area				3.0	
Recycle Centre	Western Area				3.0	
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	3.8	
GlennGary Cottage	Front Office		6183 896	297 954	4.0	
GlennGary Cottage	Meeting Room		6183 896	297 954	3.8	
GlennGary Cottage	Operations Room		6183 896	297 954	4.0	
GlennGary Cottage	Kitchen		6183 896	297 954	4.0	
GlennGary Cottage	Hallway		6183 896	297 954	3.8	
GlennGary Cottage	Store		6183 896	297 954	4.0	
GlennGary Cottage	Max reading gardens				3.6	

181 Reddalls Rd, fenceline adjoining landfill	1	6184 607	297846	2.9	181 Reddalls Rd, fenceline adjoining landfill
181 Reddalls Rd, Immediate gardens max value	2	6184 600	297800	2.9	181 Reddalls Rd, Immediate gardens max value
181 Reddalls Rd, fenceline adjoining landfill	3	6184 580	297760	2.9	181 Reddalls Rd, fenceline adjoining landfill
181 Reddalls Rd, Immediate gardens max value	4	6184 764	297735	3.0	181 Reddalls Rd, Immediate gardens max value
181 Reddalls Rd, fenceline adjoining landfill	5	6184 520	297698	3.0	181 Reddalls Rd, fenceline adjoining landfill
181 Reddalls Rd, Immediate gardens max value	6	6184 529	297650	3.0	181 Reddalls Rd, Immediate gardens max value
181 Reddalls Rd, fenceline adjoining landfill	7	6184 500	297640	3.0	181 Reddalls Rd, fenceline adjoining landfill
181 Reddalls Rd, fenceline adjoining landfill	8	6184 500	297600	3.0	181 Reddalls Rd, fenceline adjoining landfill
181 Reddalls Rd, Immediate gardens max value	1			3.0	181 Reddalls Rd, Immediate gardens max value
Lot 1 Farborough Rd, fenceline adjoining landfill	1	6184 554	298 380	2.9	
Lot 1 Farborough Rd, fenceline adjoining landfill	2	6184 544	298 337	2.9	
Lot 1 Farborough Rd, fenceline adjoining landfill	3	6184 552	298 284	2.9	
Lot 1 Farborough Rd, fenceline adjoining landfill	4	6184 591	298 231	3.0	
Lot 1 Farborough Rd, fenceline adjoining landfill	5	6184 613	298 178	2.9	
Lot 1 Farborough Rd, fenceline adjoining landfill	6	6184 634	298 138	3.0	
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.					

