

ALS Landfill Emissions Report

Client:	Wollongong City Council			Date:	20/10/2015
Site:	Whytes Gully			Sampler(s)	Glenn & Craig
Transact / Location	Point	GPS North	GPS East	CH4 Conc (ppm)	Comments
1	1				No access active landfill
1	2				No access active landfill
1	3				No access active landfill
1	4				No access active landfill
1	5				No access active landfill
2	1				No access active landfill
2	2				No access active landfill
2	3				No access active landfill
2	4				No access active landfill
2	5				No access active landfill
3	1	6184110	298140	2.11	Soil - Eastern Side
3	2	6184130	298137	1.83	Soil - Eastern Side
3	3	6184157	298124	30.54	Soil - Eastern Side
3	4	6184184	298110	22.17	Gravel - Western Side
3	5	6184240	298069	6.19	Gravel - Western Side

4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
5	1	6184190	298150	1.14	Soil - Eastern Side
5	2	6184168	298163	0.18	Soil - Eastern Side
5	3	6184140	298178	2.15	Soil - Eastern Side
5	4	6184118	298179	19.21	Soil - Eastern Side
6	1				
6	2				
6	3				
6	4				
6	5				
6	6				
6	7				
7	1	6184140	298220	30.14	Soil - Eastern Side
7	2	6184155	298200	28.22	Soil - Eastern Side

7	3	6184176	298194	4.11	Soil - Eastern Side
7	4	6184197	298180	3.27	Soil - Eastern Side
7	5				
8	1				
8	2				
8	3				
8	4				
8	5				
8	6				
9	1	6184350	298190	3.24	Gravel - Western Side
9	2	6184318	298205	2.15	Gravel - Western Side
9	3	6184289	298202	1.15	Gravel - Western Side
9	4	6184283	298233	10.21	Soil - Eastern Side
9	5	6184230	298241	4.82	Soil - Eastern Side
9	6	2184200	298242	4.31	Soil - Eastern Side
10	1	6184478	298197	49.18	
10	2	6184497	298221	38.58	
10	3	6184488	298277	8.45	
10	4	6184488	298314	11.48	
10	5	6184473	298348	12.01	

A	1	6184275	297887	9.80	
A	2	6184279	297858	9.10	
A	3	6184281	297884	8.10	
A	4	6184295	297785	7.82	
A	5	6184303	297726	7.18	
A	6	6184305	297677	6.20	
A	7	6184307	297657	6.19	
A	8	6184331	297647	5.80	
B	1				
B	2				
B	3				
B	4				
B	5				
C	1	6184347	297784	4.91	
C	2	6184338	297827	4.51	
C	3	6184334	297879	5.32	
C	4	6184340	297918	4.52	
C	5	6184361	297930	4.09	

D	1	6184346	297686	5.32	
D	2	6184354	297735	5.11	
D	3	6184374	297955	3.91	
D	4	6184377	297964	7.45	
D	5	6184385	297985	4.13	
D	6	6184393	298007	5.89	
D	7	6184402	298034	4.24	
E	1	6184402	297937	0.88	
E	2	6184403	297910	1.41	
E	3	6184404	297874	0.38	Methane Cage
E	4	6184403	297845	0.77	
E	5	6184400	297814	0.12	
E	6	6184398	297797	0.18	
E	7	6184390	297780	0.08	
F	1	6184454	297957	0.28	
F	2	6184458	297919	0.88	
F	3	6184432	297902	1.04	
F	4	6184432	297889	1.04	
F	5	6184436	297859	1.18	
F	6	6184428	297794	1.26	
F	7	6184423	297769	1.19	

F	8	6184409	297735	1.71	Methane Cage
G	1	6184454	297796	1.65	
G	2	6184454	297815	1.58	
G	3	6184466	297842	1.81	
G	4	6184432	297828	1.34	
G	5	6184467	297884	0.53	
G	6	6184428	297934	0.18	
G	7	6184421	297955	0.16	
H	1	6184484	297843	2.24	Methane cage
H	2	6184483	297871	2.16	
H	3	6184479	297916	2.66	
H	4	6184469	297958	2.63	Methane cage
H	5	6184466	297975	2.70	
H	6	6184458	298000	2.57	
I	1	6184465	298005	0.36	
I	2	6184481	297938	0.22	
I	3	6184487	297907	0.34	
I	4	6184490	297882	0.80	
I	5	6184493	297847	0.44	
I	6	6184493	297811	36.14	

J	3	6184516	288031	1.28	
J	4	6184518	288016	10.63	
J	5	6184518	288005	1.23	
J	6	6184518	287993	0.99	
K	1	6184578	298027	0.12	
K	2	6184566	298005	4.71	
K	3	6184559	297979	2.44	
K	4	6184552	297949	0.79	
K	5	6184549	297926	0.26	
L	1	6184607	298047	0.90	
L	2	6184592	298021	1.80	
L	3	6184588	298001	26.41	
L	4	6184585	297980	0.64	
L	5	6184582	297961	54.30	
L	6	6184581	297948	17.68	
M	1	6184616	298042	0.01	
M	2	6184611	298016	1.36	
M	3	6184607	297979	0.68	
M	4	6184596	297937	3.68	

M		5	6184565	297889	0.30	
M		6	6184529	297843	0.01	
N		1	6184569	297884	4.78	
N		2	6184588	297913	8.50	
N		3	6184605	297939	0.01	
N		4	6184617	297966	0.01	
N		5	6184623	297987	0.01	
N		6	6184625	298024	0.01	
SWERF		1	6183995	297994		Locked. No Access.
SWERF		1	6184011	297961		Locked. No Access.
Weighbridge		1	6184042	297748	0.80	
Crib Room		1	6184168	297974		Demolished
GlennGary Cottage	Managers Office		6183896	297954	0.36	
GlennGary Cottage	Front Office		6183896	297954	0.25	
GlennGary Cottage	Meeting Room		6183896	297954	0.50	
GlennGary Cottage	Operations Room		6183896	297954	0.35	
GlennGary Cottage	Kitchen		6183896	297954	0.25	
GlennGary Cottage	Hallway		6183896	297954	0.35	

GlennGary Cottage	Store	6183896	297954	0.75	
GlennGary Cottage	Max reading gardens	6183896	297954	0.80	
181 Reddalls Rd, fenceline adjoining landfill	1	6184607	297846	0.01	
181 Reddalls Rd, fenceline adjoining landfill	2	6184600	297800	1.34	
181 Reddalls Rd, fenceline adjoining landfill	3	6184580	297760	1.06	
181 Reddalls Rd, fenceline adjoining landfill	4	6184764	297735	1.12	
181 Reddalls Rd, fenceline adjoining landfill	5	6184520	297698	1.51	
181 Reddalls Rd, fenceline adjoining landfill	6	6184529	297650	1.35	
181 Reddalls Rd, fenceline adjoining landfill	7	6184500	297640	1.18	
181 Reddalls Rd, fenceline adjoining landfill	8	6184500	297600	1.27	
181 Reddalls Rd, Immediate gardens max value	1				
Lot 1 Farborough Rd, fenceline adjoining landfill	1	6184554	298380	0.84	
Lot 1 Farborough Rd, fenceline adjoining landfill	2	6184544	298337	0.52	
Lot 1 Farborough Rd, fenceline adjoining landfill	3	6184552	298284	1.01	
Lot 1 Farborough Rd, fenceline adjoining landfill	4	6184591	298231	0.63	
Lot 1 Farborough Rd, fenceline adjoining landfill	5	6184613	298178	0.28	
Lot 1 Farborough Rd, fenceline adjoining landfill	6	1684634	298138	1.36	
Lot 1 Farborough Rd, fenceline adjoining landfill	7	6184647	298107	0.35	
Lot 1 Farborough Rd, fenceline adjoining landfill	8	6184666	298061	0.21	
Lot 1 Farborough Rd, Immediate gardens max value	1			0.94	

Gas monitoring Wells				ppm	%V/V	
LFG MW1	1	6184088	297962	0.20	<0.0001	Gas Well Only
LFG MW2	2	6184055	298045	0.45	<0.0001	Water/Gas Well
LFG MW3	3	6184062	298198	0.30	<0.0001	Gas Well Only
LFG MW4	4	6184093	298257	0.20	<0.0001	Water/Gas Well
LFG MW5	5	6184207	298327	0.14	<0.0001	Water/Gas Well
LFG MW6	6	6184283	298371	0.38	<0.0001	Gas Well Only
LFG MW7	7	6184410	298367	1.10	0.0001	Water/Gas Well
LFG MW8	8	6184408	298369	1.30	0.0001	Gas Well Only
LFG MW9	9	6184465	298370	1.40	0.0001	Gas Well Only
LFG MW10	10	6184492	298344	0.38	<0.0001	Gas Well Only
LFG MW11	11	6184503	298294	1.00	0.0001	Gas Well Only
LFG MW12	12	6184511	298232	1.10	0.0001	Gas Well Only