

ALS Landfill Emissions Report

Client:		Wollongong City Council			Date:	26/07/2017
Site:		Whytes Gully			Sampler(s)	Duncan McIntosh & Robert Da Lio
Transact / Location	Point	GPS North	GPS East	CH4 Conc (ppm)	Comments	
1	1				Current cell no access active landfill	
2	1				Current cell no access active landfill	
5	1	6184183	298161	3.5	Eastern Arm Old Cell (Grass side)	
5	2	6184165	298167	8.0	Eastern Arm Old Cell (Grass side)	
5	3	6184148	298175	15.9	Eastern Arm Old Cell (Grass side)	
5	4	6184133	298180	15.2	Eastern Arm Old Cell (Grass side)	
5	5	6184219	298146	15.0	Eastern Arm Current Cell (Gravel side)	
5	6	6184234	298140	8.4	Eastern Arm Current Cell (Gravel side)	
5	7	6184260	298129	50.1	Eastern Arm Current Cell (Gravel side)	
5	8	6184291	298126	16.1	Eastern Arm Current Cell (Gravel side)	
5	9	6184329	298121	21.5	Eastern Arm Current Cell (Gravel side)	
5	10	6184351	298116	23.9	Eastern Arm Current Cell (Gravel side)	
6	1	6184259	298159	3.3	Eastern Arm Current Cell (Gravel side)	
6	2	6184238	298168	5.7	Eastern Arm Current Cell (Gravel side)	
7	1	6184190	298194	4.0	Eastern Arm Old Cell (Grass side)	

7	2	6184174	298202	3.4	Eastern Arm Old Cell (Grass side)
7	3	6184156	298211	2.8	Eastern Arm Old Cell (Grass side)
7	4	6184140	298218	2.8	Eastern Arm Old Cell (Grass side)
7	5	6184364	298139	12.2	Eastern Arm Current Cell (Gravel side)
7	6	6184342	298147	8.2	Eastern Arm Current Cell (Gravel side)
7	7	6184312	298151	6.5	Eastern Arm Current Cell (Gravel side)
7	8	6184282	298151	3.9	Eastern Arm Current Cell (Gravel side)
8	1				Eastern Arm Above Current Cell (NO access - covered by plastic cover)
9	1				Eastern Arm Above Current Cell (NO access - covered by plastic cover)
10	1	6184494	298213	0.7	
10	2	6184499	298248	1.2	
10	3	6184495	298314	1.2	
10	4	6184461	298354	6.4	
10	5	6184401	298366	4.1	
10	6	6184341	298350	6.0	
10	7	6184288	298331	10.0	
10	8	6184251	298299	10.8	
10	9	6184289	298274	10.6	
10	10	6184321	298270	4.7	
10	11	6184304	298279	5.1	

A	1	6184304	297725	1.4	
A	2	6184305	297704	1.7	
A	3	6184307	297704	1.8	
A	4	6184311	297681	1.9	
A	5	6184317	297630	2.0	
B	1				No Access Construction zone
C	1	6184338	297650	2.2	
C	2	6184351	297682	2.2	
C	3	6184361	297725	2.2	
C	4	6184351	297770	2.2	
C	5	6184341	297814	2.1	
C	6	6184337	297858	2.2	
C	7	6184341	297896	2.3	
C	8	6184374	297947	2.2	
C	9	6184397	298016	2.3	
C	10	6184420	298052	4.8	
D	1	6184374	297771	0.5	
D	2	6184378	297792	0.6	
D	3	6184381	297817	0.6	
D	4	6184385	297845	0.4	
D	5	6184387	297863	0.3	

E	1	6184403	297941	1.8	
E	2	6184403	297921	2.6	
E	3	6184404	297896	3.0	
E	4	6184403	297876	1.6	Methane Cage
E	5	6184401	297841	0.9	
E	6	6184398	297807	0.9	
E	7	6184396	297782	0.7	
F	1	6184413	297740	2.6	
F	2	6184426	297776	2.7	
F	3	6184432	297810	2.4	
F	4	6184440	297864	2.4	
F	5	6184439	297906	2.3	
F	6	6184435	297926	1.8	
F	7	6184429	297949	2.0	
F	8	6184424	297961	1.6	
G	1	6184452	297797	3.0	
G	2	6184458	297822	2.6	
G	3	6184468	297843	2.9	
G	4	6184474	297869	2.1	
G	5	6184472	297892	2.3	Methane Cage

G	6	6184463	297923	2.0	
G	7	6184459	297963	2.0	
H	1	6184445	298034	2.4	
H	2	6184454	298019	2.4	
H	3	6184463	298002	2.4	
H	4	6184469	297982	2.5	
H	5	6184475	297951	2.5	Methane Cage
H	6	6184478	297918	2.4	
H	7	6184482	297876	2.6	
H	8	6184484	297842	2.4	Methane Cage
I	1	6184490	297777	2.5	
I	2	6184492	297822	3.4	
I	3	6184494	297867	1.6	
I	4	6184489	297907	1.9	
I	5	6184481	297952	1.8	
I	6	6184473	297988	1.9	
	7	6184464	298013	2.2	
	8	6184450	298038	2.5	
J	1				No Access Stockpile Area
K	1				No Access Stockpile Area

L	1				No Access Stockpile Area
M	1				No Access Stockpile Area
N	1				No Access Stockpile Area
SWERF	1	6183995	297994		Locked. No Access.
Weighbridge	1	6184042	297748	1.0	
Crib Room	1	6184168	297974		Demolished
Methane Blank (Pre testing)	1			0.6	Taken at entrance to Whytes Gully site before main gate
Methane Blank (Post testing)	1			0.6	Taken at entrance to Whytes Gully site before main gate
GlennGary Cottage	Managers Office	6183896	297954	1.2	
GlennGary Cottage	Front Office	6183896	297954	1.1	
GlennGary Cottage	Meeting Room	6183896	297954	1.3	
GlennGary Cottage	Operations Room	6183896	297954	1.1	
GlennGary Cottage	Kitchen	6183896	297954	1.2	
GlennGary Cottage	Hallway	6183896	297954	1.3	
GlennGary Cottage	Store	6183896	297954	1.1	
GlennGary Cottage	Max reading gardens	6183896	297954	1.0	
181 Reddalls Rd, fenceline adjoining landfill	1	6184607	297846	0.2	
182 Reddalls Rd, fenceline adjoining landfill	2	6184600	297800	0.2	

183 Reddalls Rd, fenceline adjoining landfill	3	6184580	297760	0.2	
184 Reddalls Rd, fenceline adjoining landfill	4	6184764	297735	0.3	
185 Reddalls Rd, fenceline adjoining landfill	5	6184520	297698	0.4	
186 Reddalls Rd, fenceline adjoining landfill	6	6184529	297650	0.5	
187 Reddalls Rd, fenceline adjoining landfill	7	6184500	297640	0.4	
188 Reddalls Rd, fenceline adjoining landfill	8	6184500	297600	0.4	
181 Reddalls Rd, Immediate gardens max value	1			0.5	
Lot 1 Farborough Rd, fenceline adjoining landfill	1	6184554	298380		
Lot 1 Farborough Rd, fenceline adjoining landfill	2	6184544	298337		
Lot 1 Farborough Rd, fenceline adjoining landfill	3	6184552	298284		
Lot 1 Farborough Rd, fenceline adjoining landfill	4	6184591	298231		
Lot 1 Farborough Rd, fenceline adjoining landfill	5	6184613	298178		
Lot 1 Farborough Rd, fenceline adjoining landfill	6	1684634	298138		
Lot 1 Farborough Rd, fenceline adjoining landfill	7	6184647	298107		
Lot 1 Farborough Rd, fenceline adjoining landfill	8	6184666	298061		
Lot 1 Farborough Rd, Immediate gardens max value	1				

Gas monitoring Wells				ppm	%V/V	
LFG MW1	1	6184088	297962	1.0	0.0001	Gas Well Only - No Access Construction Zone
LFG MW2	2	6184055	298045	0.5	<0.0001	Water/Gas Well
LFG MW3	3	6184062	298198	0.9	<0.0001	Gas Well Only
LFG MW4	4	6184093	298257	0.5	<0.0001	Water/Gas Well
LFG MW5	5	6184207	298327	2.1	0.0002	Water/Gas Well
LFG MW6	6	6184283	298371	2.4	0.0002	Gas Well Only
LFG MW7	7	6184410	298367	5.7	0.0006	Water/Gas Well
LFG MW8	8	6184408	298369	5.0	0.0005	Gas Well Only
LFG MW9	9	6184465	298370	6.0	0.0006	Gas Well Only
LFG MW10	10	6184492	298344	160.0	0.0160	Gas Well Only
LFG MW11	11	6184503	298294	3.0	0.0003	Gas Well Only
LFG MW12	12	6184511	298232	4.0	0.0004	Gas Well Only
