

ALS Landfill Emissions Report

Client:		Wollongong City Council			Date:	11/12/2017
Site:		Whytes Gully			Sampler(s)	Glenn Davies & 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	
3	1				Current cell no access active landfill	
4	1				Current cell no access active landfill	
5	1				Current cell no access active landfill	
6	1				Current cell no access active landfill	
7	1				Current cell no access active landfill	
8	1				Current cell no access active landfill	
9	1				Current cell no access active landfill	
2	1	6184304	298240	1.9	Old Cell Eastern Arm	
2	2	6184311	298234	2.8	Old Cell Eastern Arm	
2	3	6184319	298230	2.4	Old Cell Eastern Arm	
3	1	6184303	298251	3.1	Old Cell Eastern Arm	
3	2	6184314	298244	1.3	Old Cell Eastern Arm	
3	3	6184330	298240	4.3	Old Cell Eastern Arm	
3	4	6184344	298237	2.1	Old Cell Eastern Arm	

5	1	6184377	298262	3.4	Old Cell Eastern Arm
5	2	6184363	298267	2.8	Old Cell Eastern Arm
5	3	6184349	298272	2.6	Old Cell Eastern Arm
5	4	6184335	298277	4.6	Old Cell Eastern Arm
5	5	6184327	298280	1.9	Old Cell Eastern Arm
5	6	6184316	298281	1.8	Old Cell Eastern Arm
7	1	6184403	298288	4.3	Old Cell Eastern Arm
7	2	6184386	298293	3.3	Old Cell Eastern Arm
7	3	6184370	298299	4.4	Old Cell Eastern Arm
7	4	6184356	298305	4.5	Old Cell Eastern Arm
7	5	6184344	298311	4.6	Old Cell Eastern Arm
7	6	6184332	298316	4.6	Old Cell Eastern Arm
8	1	6184408	298285	8.9	Old Cell Eastern Arm
8	2	6184392	298292	3.5	Old Cell Eastern Arm
8	3	6184376	298300	2.4	Old Cell Eastern Arm
8	4	6184363	298307	2.4	Old Cell Eastern Arm
8	5	6184350	298314	3.0	Old Cell Eastern Arm
8	6	6184336	298320	2.8	Old Cell Eastern Arm
10	1	6184542	298383	5.8	

10	2	6184516	298378	4.0	
10	3	6184490	298381	6.0	
10	4	6184453	298393	6.0	
10	5	6184464	298419	3.2	
10	6	6184496	298437	10.0	
10	7	6184528	298448	6.7	
10	8	6184554	298456	1.2	
10	9	6184585	298467	14.4	
10	10	6184628	298451	3.1	
10	11	6184668	298448	50.1	
10	12	6184682	298425	6.4	
10	13	6184682	298390	3.4	
10	14	6184688	298335	18.9	
10	15	6184664	298299	12.1	
A	1	6184502	297761	1.5	
A	2	6184500	297785	1.5	
A	3	6184497	297811	1.5	
A	4	6184494	297833	1.6	
B	1				No Access Construction zone
C	1	6184588	298135	3.2	

C	2	6184579	298109	2.3	
C	3	6184567	298074	2.7	
C	4	6184550	298037	1.9	
C	5	6184527	298000	1.6	
C	6	6184522	297960	1.5	
C	7	6184527	297920	1.6	
C	8	6184535	297878	1.5	
C	9	6184545	297821	1.6	
C	10	6184515	297746	1.6	
D	1				
D	2	6184569	297880	1.6	
D	3	6184571	297897	2.2	
D	4	6184575	297921	1.8	
D	5	6184579	297947	1.5	
D	6	6184581	297956	1.8	
E	1	6184598	298044	1.8	
E	2	6184598	298021	1.8	
E	3	6184599	297979	1.5	Methane Cage
E	4	6184598	297949	1.6	
E	5	6184595	297923	1.6	
E	6	6184592	297898	1.7	

E	7	6184593	297882	1.7	
F	1	6184603	297844	1.8	Methane Cage
F	2	6184617	297876	1.8	
F	3	6184621	297906	2.2	
F	4	6184624	297933	1.8	
F	5	6184629	297960	1.8	
F	6	6184631	297997	1.9	
F	7	6184627	298028	1.7	
F	8	6184615	298062	1.8	
G	1	6184648	297900	1.8	
G	2	6184649	297923	2.2	
G	3	6184659	297944	2.0	
G	4	6184664	297990	1.8	Methane Cage
G	5	6184656	297801	1.8	
G	6	6184651	298046	1.8	
G	7	6184649	298068	1.9	
H	1	6184658	298104	1.1	
H	2	6184665	298080	1.6	
H	3	6184670	298057	1.7	Methane Cage
H	4	6184678	298027	1.8	

H	5	6184682	297972	1.6	
H	6	6184683	297945	1.7	
I	1	6184654	298123	1.9	
I	2	6184662	298100	1.9	
I	3	6184668	298077	1.8	
I	4	6184675	298046	1.8	
I	5	6184682	298001	1.8	
I	6	6184686	297941	1.7	
J	4	6184718	287962	1.7	
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	3.0	
Crib Room	1	6184168	297974		Demolished

Methane Blank (Pre testing)	1			1.7	Taken at entrance to Whytes Gully site before main gate
Methane Blank (Post testing)	1			1.7	Taken at entrance to Whytes Gully site before main gate
GlennGary Cottage	Managers Office	6183896	297954	1.8	
GlennGary Cottage	Front Office	6183896	297954	1.7	
GlennGary Cottage	Meeting Room	6183896	297954	2.0	
GlennGary Cottage	Operations Room	6183896	297954	2.0	
GlennGary Cottage	Kitchen	6183896	297954	1.8	
GlennGary Cottage	Hallway	6183896	297954	1.8	
GlennGary Cottage	Store	6183896	297954	1.8	
GlennGary Cottage	Max reading gardens	6183896	297954	2.0	
181 Reddalls Rd, fenceline adjoining landfill	1	6184607	297846	1.9	
181 Reddalls Rd, Immediate gardens max value	2	6184600	297800	1.6	
181 Reddalls Rd, fenceline adjoining landfill	3	6184580	297760	1.6	
181 Reddalls Rd, Immediate gardens max value	4	6184764	297735	1.5	
181 Reddalls Rd, fenceline adjoining landfill	5	6184520	297698	1.7	
181 Reddalls Rd, Immediate gardens max value	6	6184529	297650	1.6	
181 Reddalls Rd, fenceline adjoining landfill	7	6184500	297640	1.5	
181 Reddalls Rd, Immediate gardens max value	8	6184500	297600	1.3	

Lot 1 Farborough Rd, fence line adjoining landfill	1	6184554	298380	1.8		
Lot 1 Farborough Rd, fence line adjoining landfill	2	6184544	298337	1.9		
Lot 1 Farborough Rd, fence line adjoining landfill	3	6184552	298284	1.9		
Lot 1 Farborough Rd, fence line adjoining landfill	4	6184591	298231	1.8		
Lot 1 Farborough Rd, fence line adjoining landfill	5	6184613	298178	1.7		
Lot 1 Farborough Rd, fence line adjoining landfill	6	6184634	298138	1.8		
Lot 1 Farborough Rd, fence line adjoining landfill	7	6184647	298107	1.8		
Lot 1 Farborough Rd, fence line adjoining landfill	8	6184666	298061	1.8		
Lot 1 Farborough Rd, Immediate gardens max value	1			1.6		
Gas monitoring Wells				ppm	%V/V	
LFG MW1	1	6184088	297962	4.6	0.0005	Gas Well Only
LFG MW2	2	6184055	298045	2.1	0.0002	Water/Gas Well
LFG MW3	3	6184062	298198	1.7	0.0002	Gas Well Only
LFG MW4	4	6184093	298257	3.2	0.0003	Water/Gas Well
LFG MW5	5	6184207	298327	2.2	0.0002	Water/Gas Well
LFG MW6	6	6184283	298371	7.1	0.0007	Gas Well Only
LFG MW7	7	6184410	298367	5.6	0.0006	Water/Gas Well

LFG MW8	8	6184408	298369	6.6	0.0007	Gas Well Only
LFG MW9	9	6184465	298370	10.1	0.0010	Gas Well Only
LFG MW10	10	6184492	298344	12.1	0.0012	Gas Well Only
LFG MW11	11	6184503	298294	6.1	0.0006	Gas Well Only
LFG MW12	12	6184511	298232	5.2	0.0005	Gas Well Only