

**ALS Landfill Subsurface Gas Report**



Client: Wollongong City Council  
 Site: Whytes Gully Landfill  
 Type of analyser used: Geotech GA 5000  
 Analyser ID: G504355  
 Calibration Date: 16/08/2019  
 Sampler: Glenn Davies  
 Sampling Date: 19/08/2019

| EPA Sample ID | Sampling Time | Well ID | Easting# | Northing# | CH4 (%) | CH4 Peak (%) | CO2 (%) | CO2 Peak (%) | Bal  | Flow l/h | Baro (hPa) | Relative Pressure | SWL (m) | Well Depth (m) |
|---------------|---------------|---------|----------|-----------|---------|--------------|---------|--------------|------|----------|------------|-------------------|---------|----------------|
| LFG MW1       | 12:15:00 PM   |         | 297962   | 6184088   | 0.0     | 0.0          | 6.1     | 6.1          | 77.7 | 0.2      | 1014       | 0.09              | 4.68    | 10.20          |
| LFG MW2       | 12:03:00 PM   |         | 298045   | 6184055   | 0.0     | 0.0          | 2.1     | 2.2          | 80.0 | 0.2      | 1012       | 0.03              | DRY     | 10.36          |
| LFG MW3       | 11:55:00 AM   |         | 298198   | 6184062   | 0.0     | 0.0          | 2.4     | 2.4          | 78.8 | 0.3      | 1009       | 0.09              | 6.37    | 10.52          |
| LFG MW4       | 11:50:00 AM   |         | 298257   | 6184093   | 0.0     | 0.0          | 6.4     | 6.4          | 80.6 | 0.3      | 1006       | 0.12              | DRY     | 9.27           |
| LFG MW5       | 11:38:00 AM   |         | 298327   | 6184207   | 0.0     | 0.0          | 9.3     | 9.4          | 79.8 | 0.2      | 1006       | 0.02              | DRY     | 12.03          |
| LFG MW6       | 11:29:00 AM   |         | 298371   | 6184283   | 0.0     | 0.0          | 0.0     | 0.0          | 79.6 | 0.0      | 1006       | 0.02              | DRY     | 10.85          |
| LFG MW7       | 11:21:00 AM   |         | 298367   | 6184410   | 0.0     | 0.0          | 0.2     | 0.2          | 79.5 | 0.3      | 1006       | 0.02              | 9.23    | 12.33          |
| LFG MW8       | 11:14:00 AM   |         | 298369   | 6184408   | 0.0     | 0.0          | 0.5     | 0.5          | 79.3 | 4.1      | 1007       | 0.02              | 10.00   | 10.37          |
| LFG MW9       | 11:03:00 AM   |         | 298370   | 6184465   | 0.0     | 0.0          | 1.8     | 1.9          | 78.3 | 0.1      | 1007       | 0.00              | 7.35    | 10.70          |
| LFG MW10      | 10:52:00 AM   |         | 298344   | 6184492   | 0.0     | 0.0          | 2.3     | 2.9          | 80.3 | 0.1      | 1007       | 0.02              | 10.67   | 12.38          |
| LFG MW11      | 10:44:00 AM   |         | 298294   | 6184503   | 0.0     | 0.0          | 15.4    | 15.3         | 81.8 | 0.2      | 1007       | 0.00              | 6.03    | 9.36           |
| LFG MW12      | 10:27:00 AM   |         | 298232   | 6184511   | 0.0     | 0.0          | 11.2    | 11.2         | 85.3 | 0.2      | 1008       | 0.03              | 5.50    | 10.46          |

Comments

Sampling performed in accordance to Section 5.3 EPA Environmental Guidelines Solid Waste Landfills, Second Edition, 2016

Gas concentrations are reported as raw values without correction for background concentration.