

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: 18/06/2019
 Sampler: Glenn Davies
 Sampling Date: 17/07/2019

| 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 | 10:50:00 AM | | 297962 | 6184088 | 0.0 | 0.0 | 7.8 | 7.8 | 80.9 | 0.1 | 1014 | 0.05 | 4.40 | 10.20 |
| LFG MW2 | 11:10:00 AM | | 298045 | 6184055 | 0.0 | 0.0 | 2.0 | 3.0 | 81.0 | 0.0 | 1014 | -0.02 | DRY | 10.36 |
| LFG MW3 | 11:20:00 AM | | 298198 | 6184062 | 0.0 | 0.0 | 3.2 | 3.2 | 79.3 | 0.2 | 1014 | -0.05 | 5.97 | 10.52 |
| LFG MW4 | 11:30:00 AM | | 298257 | 6184093 | 0.0 | 0.0 | 7.1 | 7.1 | 80.2 | 0.2 | 1009 | -0.05 | DRY | 9.27 |
| LFG MW5 | 11:40:00 AM | | 298327 | 6184207 | 0.0 | 0.0 | 9.4 | 9.4 | 78.6 | 0.2 | 1006 | -0.03 | DRY | 12.03 |
| LFG MW6 | 11:55:00 AM | | 298371 | 6184283 | 0.0 | 0.0 | 1.2 | 1.2 | 78.9 | 0.2 | 1007 | -0.02 | DRY | 10.85 |
| LFG MW7 | 12:05:00 PM | | 298367 | 6184410 | 0.0 | 0.0 | 0.5 | 1.0 | 79.0 | 0.1 | 1006 | 0.02 | 8.93 | 12.33 |
| LFG MW8 | 12:20:00 PM | | 298369 | 6184408 | 0.0 | 0.0 | 1.3 | 1.3 | 79.3 | 0.0 | 1006 | 0.03 | 7.98 | 10.37 |
| LFG MW9 | 12:25:00 PM | | 298370 | 6184465 | 0.0 | 0.0 | 2.9 | 2.9 | 78.4 | 0.1 | 1006 | -0.03 | 6.59 | 10.70 |
| LFG MW10 | 12:50:00 PM | | 298344 | 6184492 | 0.0 | 0.0 | 3.1 | 3.1 | 93.1 | 0.1 | 1006 | -0.03 | 10.17 | 12.38 |
| LFG MW11 | 1:00:00 PM | | 298294 | 6184503 | 3.8 | 3.8 | 13.0 | 13.0 | 93.1 | 0.2 | 1006 | -0.02 | 5.19 | 9.36 |
| LFG MW12 | 1:10:00 PM | | 298232 | 6184511 | 0.0 | 0.0 | 10.9 | 10.9 | 84.4 | 0.1 | 1000 | 0.02 | 5.30 | 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.