



ANNEX G3

LANDFILL GAS MONITORING RESULTS

**TABLE G3.1 LANDFILL GAS MONITORING RESULTS AT PERIMETER LFG MONITORING WELLS**

| <b>Location</b>      | <b>Water Level (mPD)</b> | <b>Methane (% (v/v))</b> | <b>Carbon Dioxide (% (v/v))</b> | <b>Oxygen (% (v/v))</b> |
|----------------------|--------------------------|--------------------------|---------------------------------|-------------------------|
| LFG1                 | 2.47                     | 0.0                      | 0.1                             | 19.8                    |
| LFG2                 | 2.41                     | 0.0                      | 0.1                             | 19.3                    |
| LFG3                 | 2.84                     | 0.0                      | 0.1                             | 18.1                    |
| LFG4                 | 2.5                      | 0.0                      | 0.1                             | 20.0                    |
| LFG5                 | 2.68                     | 0.0                      | 0.1                             | 20.0                    |
| LFG6                 | 2.45                     | 0.0                      | 0.1                             | 21.0                    |
| LFG7                 | 2.47                     | 0.0                      | 0.1                             | 19.5                    |
| LFG8                 | 2.63                     | 0.0                      | 0.3                             | 18.2                    |
| LFG9                 | 2.45                     | 0.0                      | 0.1                             | 18.9                    |
| LFG10                | 2.13                     | 0.0                      | 0.1                             | 19.3                    |
| LFG11                | 2.25                     | 0.0                      | 0.1                             | 18.4                    |
| LFG12                | 2.26                     | 0.0                      | 0.2                             | 18.3                    |
| LFG13                | 2.25                     | 13.1                     | 0.7                             | 8.0                     |
| LFG14                | 1.92                     | 0.0                      | 0.2                             | 19.5                    |
| LFG15                | 2.35                     | 0.0                      | 0.2                             | 19.6                    |
| LFG16 <sup>(a)</sup> | N/A                      | 0.0                      | 0.4                             | 18.8                    |
| LFG17 <sup>(a)</sup> | N/A                      | 0.0                      | 0.2                             | 19.0                    |
| LFG18                | 2.49                     | 0.0                      | 0.4                             | 18.9                    |
| LFG19                | 2.68                     | 0.0                      | 0.2                             | 19.9                    |
| LFG20                | 2.74                     | 0.0                      | 0.2                             | 19.8                    |
| LFG21                | 2.73                     | 0.0                      | 0.2                             | 19.9                    |
| LFG22                | 2.49                     | 0.0                      | 0.2                             | 20.0                    |
| LFG23                | 12.91                    | 0.0                      | 0.1                             | 20.2                    |
| LFG24                | 6.16                     | 0.0                      | 0.1                             | 19.2                    |
| GP1                  | Probe Bent               | 0.0                      | 0.1                             | 19.0                    |
| GP2 (shallow)        | Probe Bent               | 0.0                      | 0.3                             | 19.3                    |
| GP2 (deep)           | Probe Bent               | 0.0                      | 0.1                             | 19.4                    |
| GP3 (shallow)        | Probe Bent               | 0.0                      | 0.1                             | 20.3                    |
| GP3 (deep)           | Probe Bent               | 0.0                      | 0.5                             | 19.9                    |
| GP4 (shallow)        | Probe Bent               | 0.0                      | 0.5                             | 20.0                    |
| GP4 (deep)           | Probe Bent               | 0.0                      | 0.4                             | 20.2                    |
| GP5 (shallow)        | Probe Bent               | 0.0                      | 0.1                             | 20.2                    |
| GP5 (deep)           | 38.23                    | 0.0                      | 0.1                             | 20.3                    |
| GP6                  | 36.32                    | 0.7                      | 1.1                             | 18.5                    |

| Location | Water Level (mPD) | Methane (% (v/v)) | Carbon Dioxide (% (v/v)) | Oxygen (% (v/v)) |
|----------|-------------------|-------------------|--------------------------|------------------|
| GP7      | 35.88             | 0.0               | 0.1                      | 20.8             |
| GP12     | 2.09              | 0.0               | 0.2                      | 19.9             |
| GP15     | 2.47              | 0.0               | 0.1                      | 19.6             |
| P7       | 2.4               | 0.0               | 0.1                      | 18.7             |
| P8       | 2.58              | 0.0               | 0.1                      | 19.7             |
| P9       | 2.37              | 0.0               | 0.1                      | 17.9             |

**Note:**

(a) The dip level of Monitoring well LFG16 and LFG17 could not be measured due to thick grass layer.

**TABLE G3.2 LANDFILL GAS MONITORING AT SERVICE VOIDS, UTILITIES PITS AND MANHOLE**

| Location | Methane (% (v/v))   | Carbon Dioxide (% (v/v)) | Oxygen (% (v/v)) |
|----------|---|--------------------------|------------------|
| UU01     | 0.0   | 0.1                      | 19.8             |
| UU02     | 0.0   | 0.1                      | 20.2             |
| UU03     | Voided due to latest site programme and on-going operation work |                          |                  |
| UU04     | 0.0   | 0.1                      | 19.8             |
| UU05     | 0.0   | 0.1                      | 19.6             |
| UU06     | 0.0   | 0.1                      | 19.3             |
| UU07     | 0.0   | 0.1                      | 18.4             |
| UU08     | 0.0   | 0.1                      | 18.7             |
| UU09     | 0.0   | 0.1                      | 19.6             |
| UU10     | 0.0   | 0.1                      | 20.4             |
| UU11     | 0.0   | 0.1                      | 19.8             |
| UU12     | Voided due to latest site programme and on-going operation work |                          |                  |
| UU13     | 0.0   | 0.1                      | 20.3             |
| UU14     | 0.0   | 0.1                      | 20.2             |
| UU15     | 0.0   | 0.1                      | 20.4             |
| UU16     | 0.0   | 0.1                      | 20.4             |
| UU17     | Voided due to latest site programme and on-going operation work |                          |                  |
| UU18     | Voided due to latest site programme and on-going operation work |                          |                  |
| UU19     | Voided due to latest site programme and on-going operation work |                          |                  |
| UU20     | 0.0   | 0.1                      | 20.4             |
| UU21     | 0.0   | 0.1                      | 20.1             |
| UU22     | 0.0   | 0.1                      | 20.4             |
| UU23     | 0.0   | 0.1                      | 20.4             |
| UU24     | 0.0   | 0.1                      | 20.3             |
| UU25     | 0.0   | 0.1                      | 20.2             |
| UU26     | 0.0   | 0.1                      | 20.2             |

| <b>Location</b> | <b>Methane (% (v/v))</b> | <b>Carbon Dioxide (% (v/v))</b> | <b>Oxygen (% (v/v))</b> |
|-----------------|--------------------------|---------------------------------|-------------------------|
| UU27            | 0.0                      | 0.1                             | 20.3                    |
| UU28            | 0.0                      | 0.1                             | 20.3                    |