

## Detailed Calculations of Odour Emission

| Description                   | Parameters                | Remarks  |
|-------------------------------|---------------------------|--|
| The IWMF - MT plant:          | 192 m <sup>2</sup>        | From Engineer  |
| Odour emission rate, SOER:    | 3.91 ou/m <sup>2</sup> /s | From the approved North East New Territories (NENT) Landfill Extension EIA Report, the average measured SOER at tipping face is 3.91 ou/m <sup>2</sup> /s for MSW. |
| Odour emission rate:          | 750.7 ou/s                | Calculated   |
| Odour removal efficiency:     | 95 %                      | From Engineer  |
| Odour emission rate at stack: | 37.54 ou/s                | Calculated   |
| Exit temperature:             | 298 K                     | Ambient Temperature  |
| Exit velocity:                | 15 m/s                    | From Engineer  |
| Total air flow rate:          | 205000 m <sup>3</sup> /hr | From Engineer  |
| Effective Stack diameter:     | 2.2 m                     | Calculated   |
| Stack height:                 | 6 m                       | From Engineer  |