



ATTACHMENT E1
EMISSIONS TO ATMOSPHERE

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ATTACHMENT E1 – EMISSIONS TO ATMOSPHERE

Emissions from passive vents are classified as minor emission points for the purpose of this Waste Licence Application. Table E1(iv) attached is completed for each passive vent at the engineered landfill.

The composition of landfill gas emissions is expected to be consistent with those monitored at boreholes installed into the unauthorised landfills in each of Areas 1, 4 and 6. Details of baseline landfill gas monitoring data is presented in Section 7 of the Environmental Impact Statement and Section 5 / Appendix I of the Environmental Risk Assessment (reproduced in Appendix 6A of Environmental Impact Statement)

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TABLE E.1(iv) : EMISSIONS TO ATMOSPHERE - Minor /Fugitive

Emission point Reference Numbers	Description	Emission details ¹				Abatement system employed
		material	mg/Nm ³⁽²⁾	kg/h.	kg/year	
LG1	Passive Vent	Methane		10	87,600	None
		Carbon Dioxide		9.75	85,410	None
LG2	Passive Vent	Methane		10	87,600	None
		Carbon Dioxide		9.75	85,410	None
LG3	Passive Vent	Methane		10	87,600	None
		Carbon Dioxide		9.75	85,410	None
LG4	Passive Vent	Methane		10	87,600	None
		Carbon Dioxide		9.75	85,410	None
LG5	Passive Vent	Methane		10	87,600	None
		Carbon Dioxide		9.75	85,410	None
LG6	Passive Vent	Methane		10	87,600	None
		Carbon Dioxide		9.75	85,410	None
LG7	Passive Vent	Methane		10	87,600	None
		Carbon Dioxide		9.75	85,410	None
LG8	Passive Vent	Methane		10	87,600	None
		Carbon Dioxide		9.75	85,410	None

1 The maximum emission should be stated for each material emitted, the concentration should be based on the maximum 30 minute mean.

2 Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C/101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.

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