

## 12.0 APPENDICES

### APPENDIX 1: AMBIENT AIR QUALITY GUIDELINES

**Table 1: Ambient Air Quality Guidelines**

Indicator	Guideline Level	Averaging Time	Method of Measurement
Deposited Particulate	4g/m <sup>2</sup>	30 days	ISO/DIS 4222.2-1980
Inhalable Particulate (PM <sub>10</sub> )	40µg/m <sup>3</sup>	Annual Mean	AS 3580.9.6 - 1990
	120µg/m <sup>3</sup>	24 Hour Mean	AS 3580.9.7 - 1990
Sulphur Dioxide	50µg/m <sup>3</sup>	Annual Mean	AS 3580.4.1 - 1990
	125µg/m <sup>3</sup>	24 Hour Mean	
	350µg/m <sup>3</sup>	24 Hour Mean	
	500µg/m <sup>3</sup>	10 Minute Average	
Carbon Monoxide	30mg/m <sup>3</sup>	1 Hour Mean	AS 3580.7.1 - 1992
	10mg/m <sup>3</sup>	8 Hour Mean	
Nitrogen Dioxide	100µg/m <sup>3</sup>	24 Hour Average	AS 3580.5.1 - 1993
	300µg/m <sup>3</sup>	1 Hour Average	
Lead	0.5-1.0 µg/m <sup>3</sup>	3 Month Moving Average	AS 2800 - 1985
Fluoride Special Land Use	1.8µg/m <sup>3</sup>	12 - Hour	AS 3580.13.1 - 1993
	1.5µg/m <sup>3</sup>	24 - Hour	AS 3580.13.2 - 1991
	0.8µg/m <sup>3</sup>	7 - day	
General Land Use	0.4µg/m <sup>3</sup>	30 - Day	AS 3580.13.1 - 1993 AS 3580.13.2 - 1991
	0.25µg/m <sup>3</sup>	90 - Day	
	3.7µg/m <sup>3</sup>	12 - Hour	
Conservation Areas	2.9µg/m <sup>3</sup>	24 - Hour	AS 3580.13.1 - 1993 AS 3580.13.1 - 1991
	1.7µg/m <sup>3</sup>	7 - Day	
	0.84µg/m <sup>3</sup>	30 - Day	
	0.5µg/m <sup>3</sup>	90 - Day	
	0.1µg/m <sup>3</sup>	90 - Day	
Hydrogen Sulphide Landuse Affected by Natural Emissions	70µg/m <sup>3</sup>	30 Minute Average	AS 3580.8.1 - 1990
Landuse Unaffected by Natural Emissions	7µg/m <sup>3</sup>	30 Minute Average	AS3580.8.1 - 1990

Operative 14th January 2008

---

<b>Indicator</b>	<b>Guideline Level</b>	<b>Averaging Time</b>	<b>Method of Measurement</b>
Ozone	150 $\mu\text{g}/\text{m}^3$ 100 $\mu\text{g}/\text{m}^3$	1 Hour Average 8 Hour Average	AS 3580.6.1 - 1990
Visibility	20km	1 Hour	AS 2724.4 - 1987

**Note:**

- a)  $\mu\text{g}/\text{m}^3$  = micrograms per cubic metre of air
- b)  $\text{mg}/\text{m}^3$  = milligrams per cubic metre of air
- c)  $\text{g}/\text{m}^3$  = grams per square metre of a surface

Special Land Use involves those areas where there are commercially valuable plants.