

APPENDIX H16: AMBIENT AIR QUALITY GUIDELINES

Table 1: Ambient Air Quality Guidelines

Indicator	Guideline Level	Averaging Time	Method of Measurement
Deposited Particulate	4g/m ²	30 days	ISO/DIS 4222.2-1980
Inhalable Particulate (PM ₁₀)	40µg/m ³ 120µg/m ³	Annual Mean 24 Hour Mean	AS 3580.9.6 - 1990 AS 3580.9.7 - 1990
Sulphur Dioxide	50µg/m ³ 125µg/m ³ 350µg/m ³ 500µg/m ³	Annual Mean 24 Hour Mean 24 Hour Mean 10 Minute Average	AS 3580.4.1 - 1990
Carbon Monoxide	30mg/m ³ 10mg/m ³	1 Hour Mean 8 Hour Mean	AS 3580.7.1 - 1992
Nitrogen Dioxide	100µg/m ³ 300µg/m ³	24 Hour Average 1 Hour Average	AS 3580.5.1 - 1993
Lead	0.5-1.0 µg/m ³	3 Month Moving Average	AS 2800 - 1985
Fluoride Special Land Use	1.8µg/m ³ 1.5µg/m ³ 0.8µg/m ³	12 - Hour 24 - Hour 7 - day	AS 3580.13.1 - 1993 AS 3580.13.2 - 1991
General Land Use	0.4µg/m ³ 0.25µg/m ³ 3.7µg/m ³	30 - Day 90 - Day 12 - Hour	AS 3580.13.1 - 1993 AS 3580.13.2 - 1991
Conservation Areas	2.9µg/m ³ 1.7µg/m ³ 0.84µg/m ³ 0.5µg/m ³ 0.1µg/m ³	24 - Hour 7 - Day 30 - Day 90 - Day 90 - Day	AS 3580.13.1 - 1993 AS 3580.13.1 - 1991
Hydrogen Sulphide Landuse Affected by Natural Emissions	70µg/m ³	30 Minute Average	AS 3580.8.1 - 1990
Landuse Unaffected by Natural Emissions	7µg/m ³	30 Minute Average	AS3580.8.1 - 1990
Ozone	150 µg/m ³ 100µg/m ³	1 Hour Average 8 Hour Average	AS 3580.6.1 - 1990
Visibility	20km	1 Hour	AS 2724.4 - 1987

Note:

- a) µg/m³ = micrograms per cubic metre of air
- b) mg/m³ = milligrams per cubic metre of air
- c) g/m³ = grams per square metre of a surface

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