

Swan Region Strategy

for

Natural Resource Management

Appendix 15

NEPM Ambient Air Quality Standards

Appendix -13 NEPM Ambient air quality standards and Perth's status 1990 – 2002 (Source DEP, 2000a)

Criteria Pollutant	NEPM Standard	Number of times monitored air quality was above the NEPM limit (from 1990 to 2002)
Carbon monoxide	9 ppm 8-hour average, not to be exceeded more than one day a year	2 - 1990 (Queens Building)
Nitrogen dioxide	0.12 ppm 1-hour average, not to be exceeded more than one day a year	1 - 1991 (1 Queens Building) 2 - 1992 (2 Queens Building) 1 - 1993 (1 Queens Building)
	0.03 ppm annual average, not to be exceeded	No exceedances recorded during period 1990 - 2002
Photochemical oxidants	0.10 ppm 1-hour average, not to be exceeded more than one day a year	2 - 1991 (2 Caversham) 2 - 1992 (2 Caversham) 2 - 1993 (1 Caversham, 1 Rolling Green) 1 - 1994 (1 Caversham) 4 - 1996 (2 Caversham, 2 Rolling Green) 3 - 1997 (1 Quinns Rock, 1 Rolling Green, 1 Swanbourne) 2 - 1998 (1 Caversham, 1 Rolling Green) 1 - 1999 (1 Quinns Rock) 1 - 2001 (1 Rolling Green)
	0.08 ppm 4-hour average, not to be exceeded more than one day a year	2 - 1991 (2 Caversham) 1 - 1992 (1 Caversham) 1 - 1993 (1 Rolling Green) 3 - 1994 (2 Caversham, 1 Rolling Green) 1 - 1995 (1 Swanbourne) 8 - 1996 (1 Caversham, 1 Rockingham, 5 Rolling Green, 1 Swanbourne) 7 - 1997 (3 Caversham, 1 Quinns Rock, 2 Rolling Green, 1 Swanbourne) 4 - 1998 (2 Caversham, 2 Rolling Green) 1 - 1999 (1 Quinns Rock) 2 - 2001 (2 Rolling Green)
Sulfur dioxide	0.20 ppm 1-hour average, not to be exceeded more than one day a year	1 - 1992 (1 Hope Valley) 3 - 1993 (1 Hope Valley, 1 Miguel Road, 1 Wattleup) 2 - 1994 (1 Hope Valley, 1 Rockingham)
	0.08 ppm 24-hour average, not to be exceeded more than one day a year	no exceedances recorded during period 1990 - 2002
	0.02 ppm annual average, not to be exceeded	no exceedances recorded during period 1990 - 2002
Lead	0.5 µg/m ³ annual average, not to be exceeded	no exceedances recorded during period 1990 – 2001 <i>(Monitoring for ambient lead ceased in 2001)</i>
Inhalable particles (PM10)	50 µg/m ³ 24-hour average, not to be exceeded more than 5 times a year	3 - 1990 (1 Caversham, 2 Queens Building) 2 - 1991 (1 Caversham, 1 Queens Building) 1 - 1992 (1 Queens Building) 3 - 1994 (1 Duncraig, 1 Queens Building, 1 Swanbourne) 2 - 1995 (2 Duncraig) 4 - 1996 (1 Caversham, 1 Duncraig, 1 Queens Building, 1 Swanbourne) 4 - 1997 (1 Caversham, 1 Duncraig, 1 Queens Building, 1 Swanbourne) 3 - 1998 (1 Duncraig, 1 Queens Building, 1 Swanbourne) 3 - 2001 (1 Caversham, 1 Duncraig, 1 South Lake) 3 - 2002 (1 Duncraig, 2 South Lake)