

**Table 5.31-- AIR QUALITY IN DOWNTOWN HONOLULU: 1988 TO 2012**

[Annual arithmetic means, in micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ), for particulate matter 10 microns or less in diameter (PM<sub>10</sub>) and in parts per million (ppm) for carbon monoxide (CO). Sampling is conducted about 46 feet above ground on the roof of the State Health Department building (Kinau Hale), 1250 Punchbowl Street, Honolulu, Hawaii]

| Year | PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ ) 1/ | CO (ppm) 2/ | Year    | PM <sub>10</sub> ( $\mu\text{g}/\text{m}^3$ ) 1/ | CO (ppm) 2/ |
|------|--|-------------|---------|--|-------------|
| 1988 | -  | 1.7         | 2001    | 16   | 0.6         |
| 1989 | -  | 1.8         | 2002    | 15   | 0.6         |
| 1990 | -  | 1.5         | 2003    | 15   | 0.6         |
| 1991 | -  | 1.7         | 2004    | 13   | 0.6         |
| 1992 | -  | 1.6         | 2005 3/ | 14   | 0.6         |
| 1993 | 13   | 1.8         | 2006 4/ | 13   | 0.4         |
| 1994 | 14   | 0.8         | 2007    | 14   | 0.5         |
| 1995 | 14   | 0.8         | 2008    | 14   | 0.5         |
| 1996 | 14   | 0.8         | 2009    | 13   | 0.4         |
| 1997 | 8  | 0.8         | 2010    | 12   | 0.4         |
| 1998 | 9  | 0.8         | 2011    | 12   | 0.4         |
| 1999 | 14   | 0.6         | 2012    | 12   | 0.4         |
| 2000 | 14   | 0.7         |         |  |             |

1/ The State Ambient Air Standard for PM<sub>10</sub> annual average is 50  $\mu\text{g}/\text{m}^3$ . The Federal standard was revoked by the U.S. Environmental Protection Agency effective December 17, 2006.

2/ There is no annual standard for CO. The State Ambient Air Standard for 1-hour CO is 9 ppm and the Federal standard is 35 ppm.

3/ Represents data until July 14, 2005, when the monitoring station was closed for roof repairs.

4/ Represents data from August 5, 2006, after completion of roof repairs.

Source: Hawaii State Department of Health, Environmental Management Division, Clean Air Branch, records.