

Nitrogen Dioxide

Concentrations over two periods, 3 to 17 December and 18 to 31 December, were combined to provide a monthly average concentration of NO₂ at each station. Within each measurement period, duplicate samples were taken to check the precision of the method used.

The monthly average concentrations were designated as "High" if they exceeded the 24-hour average AQO of 150 µgm⁻³.

RSP

Daily average concentrations of RSP were reported for alternate days throughout December 1996. The data were analysed to determine the minimum, maximum and mean daily concentrations. The reported data were also assessed to determine the number of days in the month that concentrations exceeded the 24-hour average AQO of 180 µgm⁻³.

Data From the Air Quality Monitoring Stations

Introduction

Data from the EPD Air Quality Monitoring Stations were obtained for the period January to December 1997 for use in the assessment. The following pollutants were addressed: NO₂, RSP and O₃. Data from all nine AQMSs were assessed, although it should be noted that not all stations monitor for all three pollutants of interest to this assessment. Table 3.1c summarises the availability of data from the AQMS network.

Table 3.1c
Data Availability

| Station | Nitrogen Dioxide | RSP (TEOM) | Ozone |
|-----------------|------------------|--------------------|--------------------|
| Central/Western | YES | YES | YES |
| Mong Kok | YES | YES | NO |
| Sham Shui Po | YES | YES ^(a) | NO |
| Kwun Tong | YES | YES | YES ^(c) |
| Kwai Chung | YES | YES | YES |
| Tsuen Wan | YES | YES | YES ^(d) |
| Sha Tin | YES | YES | YES ^(c) |
| Yuen Long | YES | YES | YES |
| Tai Po | YES | YES ^(b) | YES ^(d) |

Notes:
 (a) High Volume Sampler data from January to December 1997.
 TEOM data from September to December 1997.
 (b) High Volume Sampler data from January to December 1997.
 TEOM data from July to December 1997.
 (c) Data were available for only June to December 1997.
 (d) Data were available for only November and December 1997.