

TECHNICAL MEMORANDUM FOR  
SPECIFYING AIR QUALITY OBJECTIVES FOR HONG KONG

issued under subsection 7(1A) of  
the Air Pollution Control Ordinance.

1. The air quality objectives set out in the Schedule shall apply to all previously declared Air Control Zones making up the entire Territory.
2. All measurements of air pollutants in the Schedule shall be adjusted to a reference temperature of 298K and a reference pressure of 101.325 K Pa.

SCHEDULE

(A) SULPHUR DIOXIDE

- (i) The concentration of sulphur dioxide in air averaged over any one hour shall not exceed 800 microgrammes per cubic metre on more than three occasions per year.
- (ii) The concentration of sulphur dioxide in air averaged over any 24 hour period shall not exceed 350 microgrammes per cubic metre more than once per year.
- (iii) The concentration of sulphur dioxide in air averaged over a year shall not exceed 80 microgrammes per cubic metre.

(B) TOTAL SUSPENDED PARTICULATES

- (i) The concentration of total suspended particulates in air averaged over any 24 hour period shall not exceed 260 microgrammes per cubic metre more than once per year.
- (ii) The concentration of total suspended particulates in air averaged over a year shall not exceed 80 microgrammes per cubic metre.

(C) RESPIRABLE SUSPENDED PARTICULATES

- (i) The concentration of respirable suspended particulates in air having a nominal aerodynamic diameter of 10 micrometres or less, averaged over any 24 hour period, shall not exceed 180 microgrammes per cubic metre more than once per year.
- (ii) The concentration of respirable suspended particulates in air having a nominal aerodynamic diameter of 10 micrometres or less, averaged over a year, shall not exceed 55 microgrammes per cubic metre.

(D) NITROGEN DIOXIDE

- (i) The concentration of nitrogen dioxide in air averaged over any one hour shall not exceed 300 microgrammes per cubic metre on more than three occasions per year.
- (ii) The concentration of nitrogen dioxide in air averaged over any 24 hour period shall not exceed 150 microgrammes per cubic metre more than once per year.
- (iii) The concentration of nitrogen dioxide in air averaged over a year shall not exceed 80 microgrammes per cubic metre.

(E) CARBON MONOXIDE

- (i) The concentration of carbon monoxide in air averaged over any one hour shall not exceed 30 000 microgrammes per cubic metre on more than three occasions per year.
- (ii) The concentration of carbon monoxide in air averaged over any 8 hour period shall not exceed 10 000 microgrammes per cubic metre more than once per year.

(F) PHOTOCHEMICAL OXIDANTS DETERMINED BY MEASUREMENT OF OZONE

- (i) The concentration of photochemical oxidants in air averaged over any one hour shall not exceed 240 microgrammes per cubic metre on more than three occasions per year.

(G) LEAD

- (i) The concentration of lead in air averaged over any 3 month period shall not exceed 1.5 microgrammes per cubic metre.