

2.7 Results of Monitoring of Ambient Air Quality Since the pollutants those were found in the ambient air at the permanent monitoring stations at high concentrations are carbon monoxide and particulate matter, it is interesting to monitor near the major streets to be nearer to the sources of both pollutants, the motor vehicles.

Office of the National Environment Board has monitored levels of carbon monoxide, particulates, and lead near major roads in Bangkok during February - March 1984 (which happened to be during the changing of several roads in Bangkok to one-way system), Levels of CO and particulate matter at some sites were found to be higher than National Ambient Air Quality Standards.

In 1985 there were 4 monitoring sites near major roads, and in 1986 and 1987, two sites each. Results which still showed violations of standards for particulate matter and carbon monoxide in some places.

Monitoring of Air Quality in other provinces has been performed since 1983, the cities of Haad Yai in the South (1983,1987), Chiang Mai (1983-1987), were found to have high concentrations of particulate matters and carbon monoxide. At Khon Kaen there was high concentrations of particulate matter. At Phuket the air quality is very good, with no pollutants exceeding standards.

Lead levels near roads were found to be lower than national standards (10 micrograms/cu.m.). The levels in Bangkok were less than 6, in Chiang Mai less than 3, Khon Kaen less than 2, and Phuket less than one microgram/cu.m.