Table 5.3l
Changes in Daily Average Concentrations (μgm^{-3})
under Typical Episodes of High Levels of RSP

AQMS	Nitrogen dioxide	Threshold	RSP	Threshold
Central/Western	8.7	141.3	3.8	176.2
Mong Kok	1.7	148.3	2.4	177.6
Sha Tin	1.6	148.4	2.6	177.4
Yuen Long	0.5	149.5	1.1	178.9
Tsuen Wan	0.6	149.4	1.4	178.6
Kwai Chung	0.9	149.1	1.4	178.6
Sham Shui Po	1.5	148.5	1.4	178.6
Kwun Tong	1.3	148.7	1.5	178.5
Tai Po	0.2	149.8	0.3	179.7

With reference to the data presented in Table 5.3b, it is evident that the Kwun Tong and Sha Tin AQMS would continue to report exceedances of the AQO for RSP. In addition, an exceedance is also predicted at the Mong Kok AQMS.

Maximum Hourly Average Concentrations of Nitrogen Dioxide and Ozone

Table 5.3m presents the changes in the predicted maximum hourly average concentrations of nitrogen dioxide and ozone under typical photochemical smog conditions. In addition to the presentation of predictions at each of the AQMS, the table also shows the threshold concentrations and the maximum increase predicted in the model domain. The latter is considered particularly important for the ozone predictions, as these are likely to be at a maximum some distance downwind of the urban area.

Table 5.3m
Changes in Maximum Hourly Average Concentrations (μgm^{-3})
under Typical Photochemical Smog Conditions

AQMS	Nitrogen dioxide	Threshold	Ozone	Threshold
Central/Western	16.1	283.9	-15.6	255.6
Mong Kok	7.9	292.1	-5.9	245.9
Sha Tin	3.5	296.5	-1.1	241.1
Yuen Long	3.0	297.0	-0.4	240.4
Tsuen Wan	5.1	294.9	0.2	239.8
Kwai Chung	6.1	293.9	-0.1	240.1
Sham Shui Po	7.8	292.2	-7.2	247.2
Kwun Tong	12.6	287.4	-1.8	241.8
Tai Po	2.3	297.7	-0.4	240.4
Maximum	29 East of Chai Wan	N/A	4.4 South of Lamma	N/A

Increased peak nitrogen dioxide concentrations are predicted at all AQMS. As described in Table 5.3a, the AQMS at Kwun Tong, Mong Kok and Sham Shui Po reported exceedances of the AQO in 1997 and it is predicted that these will continue. However, the number of non-compliant AQMS will remain at one (Mong Kok). The largest increases are predicted to be at the Central/Western and Kwun Tong AQMS but are not anticipated to result in exceedances of the AQO at the Central/Western