

Canadian SO₂ and NO_x emissions are presented in Tables B.2.4 and B.2.5 by province and emission source regions. The emission source regions shown in Figure B.2.1 are those used in the development of transfer matrices by Work Group 2.

A three step approach was used to determine the precision of the SO₂ and NO_x emission data. A check for bias errors or omissions was initially undertaken on the completed inventory and corrections were made where required. Systematic errors were then determined for each major point source and for each major sector on a provincial and source region basis based on an engineering analysis of the parameters that influence the computed emissions. Thirdly, a weighted sensitivity analysis was used to calculate the precision of the nation-wide, provincial, and source region total emissions. Details of the error analysis can be found in Appendix 3.

The precision of the SO₂ Canadian inventory was found to be 6.1 percent and of the NO_x inventory, 10.3 percent. Precisions of provincial and source region inventories for SO₂ and NO_x are summarized in Appendix 3.