

were about eight times greater in 1976 than in 1955, and were at an even level with other transportation source emissions, the majority of which are attributable to diesel-powered engines. NO_x emissions from other combustion sources have approximately doubled over the period investigated.

The distribution of NO_x emissions between eastern and western Canada is more uniform than the distribution of SO_2 emissions because of the nature of the sources involved. Eastern Canada (including Manitoba) has contributed 79%, 76%, and 62% of total NO_x emissions in 1955, 1965, and 1976 respectively. An uncertainty analysis has not been carried out for NO_x emissions for any of the years of investigation.

A map depicting NO_x emissions in eastern Canada in 1976 according to the 127 km x 127 km grid array is presented in Appendix 2.