

Chapter 1

INTRODUCTION

The Atmospheric Modeling Work Group was established under the Memorandum of Intent in order to provide information, based on cooperative atmospheric modeling and analysis of monitoring network and other data, which would lead to a further understanding of the transport of air pollutants between source regions and sensitive areas. In addition, the Group was to prepare proposals for the "Research, Modeling and Monitoring" element of an agreement. The Terms of Reference of the Group and Work Group membership are contained in Appendices 1 and 2, respectively.

The purpose of this Phase I report is to provide as complete a response as possible to all the scientific and technical areas identified in the Terms of Reference and as specified in its approved work plan. During Phase I the Work Group has devoted its efforts to:

- (1) Preparing a work plan for the first two phases;
- (2) Identifying required inputs from and outputs to other Work Groups;
- (3) Developing data bases and analytical methods which will be required in subsequent work;
- (4) Developing preliminary source-receptor relationships based on available modeling results which can be utilized in Phase II by other Work Groups; and