

## FOREWORD

This is the third transport and diffusion directory produced by the Office of the Federal Coordinator for Meteorology (OFCM). The first was published in March 1991 and the second in April 1993. In addition, the Department of Energy published a resource directory in March 1995. Because of the need expressed by the agencies and the large number of transport and diffusion models, we decided to produce an updated directory which would provide expanded information on as many models as possible. The Joint Action Group for Atmospheric Transport and Diffusion undertook the project with contract support from the Oak Ridge Institute for Science and Education (ORISE) and the result is this publication.

This directory is intended to provide those with requirements for determining the transport and diffusion of hazardous materials released into the atmosphere a ready reference on a number of available models. For those models which do not have completed questionnaires, an appendix contains a point of contact so additional information can be obtained. We believe that anyone with responsibilities in emergency response, air quality monitoring, and consequence assessment will find this directory a valuable resource for evaluating a wide spectrum of models. The directory is an important resource for individuals dealing with problems such as nuclear, chemical, or biological weapons emergencies, reactor accidents, chemical spills, volcanic eruptions, and carbon monoxide dispersion in urban areas. Considering the number of models which already exist, this directory should be consulted before new development is started to ensure first that requirements cannot be met with existing models. There is no attempt in this directory to assess which models are better although where provided there is information on model validation and verification.

This directory is being published in hard copy and will also be available on-line on OFCM's home page, <[www.ofcm.gov](http://www.ofcm.gov)>. As information on additional models becomes available, the on-line directory will be updated. To capture as many models as possible in a single reference will promote interagency coordination and reduce duplication.

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