

Preface

This publication is the second part of Report No. 161 on *Management of Persons Contaminated with Radionuclides*, which has been published by NCRP as a two-volume series. Volume 1 of Report No. 161 is a *Handbook* to assist responders to radionuclide contamination incidents. Volume 1 (Section 1 through 15) contains quick reference information needed by emergency responders, recommendations for onsite and prehospital, treatment of contaminated patients at a medical facility, and post-hospital follow-up of patients and contamination control in handling decedents.

Volume 2 (Sections 16 through 22 and Appendices A to J) of Report No. 161 contains extensive information on the *Scientific and Technical Bases* for the guidance provided in Volume 1. Included are a detailed presentation on the radiobiology of internally-deposited radionuclides, a discussion of sources of potential contamination in both planned (*e.g.*, medical or industrial) and unplanned (*e.g.*, nuclear accidents or acts of terrorism) settings, roles and responsibilities of responders to incidents involving radionuclide contamination, extensive dosimetry and case studies for radionuclides of 24 important chemical elements, and guidance on dose assessment methodologies.

Both volumes of Report No. 161 were prepared by Scientific Committee 4-1. Serving on the Committee were:

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