

Preface

This Report was developed under the auspices of Program Area Committee 2 of the National Council on Radiation Protection and Measurements (NCRP), the committee that is concerned with operational radiation safety. The Report addresses the structural shielding design for medical x-ray imaging facilities and supersedes the parts that address such facilities in NCRP Report No. 49, *Structural Shielding Design and Evaluation for Medical Use of X Rays and Gamma Rays of Energies Up to 10 MeV*, which was issued in September 1976. A second NCRP report is in preparation under the auspices of Program Area Committee 2 that will update the parts of NCRP Report No. 49 that address structural shielding design for megavoltage radiotherapy facilities using x and gamma rays.

This Report was prepared through a joint effort of NCRP Scientific Committee 9 on this subject and the American Association of Physicists in Medicine (AAPM). NCRP gratefully acknowledges the financial support of AAPM, the many opportunities that were made available for Scientific Committee 9 to meet at AAPM annual meetings, and the technical reviews of the Report provided by a number of specialists in radiation shielding. Serving on Scientific Committee 9 were:

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