



Nuclear Physical Methods in Radioecological Investigations of Nuclear Test Sites

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Book Condition: New. Publisher/Verlag: Springer Netherlands | Proceedings of the NATO Advanced Research Workshop, Almaty, Kazakhstan, 7-10 June, 1999 | It is only with the ending of the Cold War that the issue of environmental hazards at many former nuclear testing sites around the world has attracted international scientific interest. This book discusses the environmental, ecological, and health problems associated with nuclear testing. Topics treated include dose assessment, risk, speciation and transport of radionuclides, measurement and separation of radionuclides, and remedial options. The nuclear test sites examined include the Semipalatinsk Nuclear Test Site (Kazakhstan), the Nevada test Site (USA), the Pacific atolls, and the Maralinga Test Site (Australia). The volume also discusses the additional release sites of Chelyabinsk (Russia), Chernobyl (Ukraine), Palomares (Spain), Los Alamos (USA), and others. A valuable compendium of radiological problems for a wide spectrum of readers, from non-specialist to expert. | Preface; C.F.V. Mason. Acknowledgements; C.F.V. Mason, S.B. Kislitsin. Welcome and Introduction. Greetings from the National Nuclear Centre of the Republic of Kazakhstan; Y. Cherepnin. Overviews and Perspectives. A Path to a Nuclear Future; S.S. Hecker. Radioecological Issues in the Research Efforts of the RFNC-VNIIEF; R.I. Ilkayev. Techniques used at the National Nuclear Centre's Institute of...



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