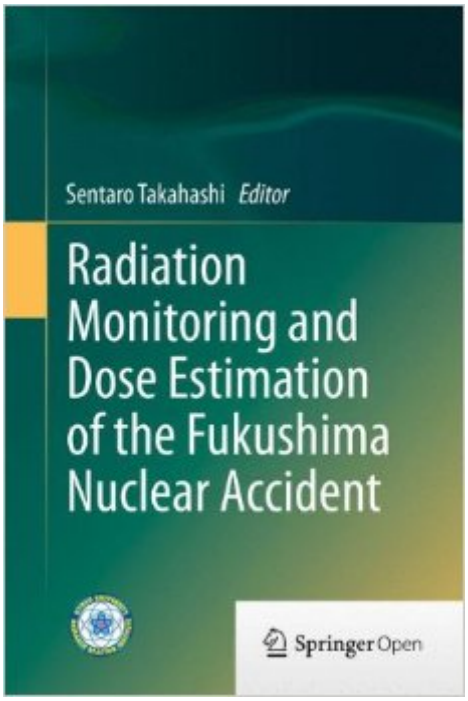
Radiation Monitoring And Dose Estimation Of The Fukushima Nuclear Accident



Synopsis

This book provides comprehensive research findings related to the environmental monitoring of radiation, levels of radioactive nuclides in various environments and dose estimation in residents after the Fukushima nuclear power plant accident caused severe environmental contamination with radioactive nuclides. At the beginning of the book, a technical review written by a leading researcher of nuclear reactor technology explains what happened at the power plant. The review is followed by a commentary from a former member of the International Commission on Radiological Protection, providing the reader with easily understandable information about the concept of radiation dosage. In the main part of the book, a series of scientific reports presents valuable data on the radiation surveys of the environment, environmental radioactivity, transfer models and parameters of radioactive nuclides and dose assessment among residents. These reports present a wide range of findings from the research carried out in a variety of activities by large governmental organizations as well as by small private groups and individuals. The reader thus will find a large collection of valuable and interesting data related to the environmental contamination by radioactive nuclides after the Fukushima accident. Although earlier reports on this issue have been made public, this book is the only publication to fully depict the actual situation by providing comprehensive data obtained by diverse organizations and individuals.

Book Information

Hardcover: 223 pages
Publisher: Springer; 2014 edition (February 8, 2014)
Language: English
ISBN-10: 4431545824
ISBN-13: 978-4431545828
Product Dimensions: 6.1 x 0.6 x 9.2 inches
Shipping Weight: 1.4 pounds (View shipping rates and policies)
Average Customer Review: Be the first to review this item
Best Sellers Rank: #3,381,595 in Books (See Top 100 in Books) #88 inÂ Books > Science & Math > Chemistry > Nuclear Chemistry #581 inÂ Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Nuclear #1597 inÂ Books > Science & Math > Chemistry > Industrial & Technical

and Modulation Theory, Part I: Detection, Estimation, and Filtering Theory Permissible Dose: A History of Radiation Protection in the Twentieth Century Nuclear Power Plant Reactor Training Manual: Boiling Water Reactor (BWR) Design at Japan TEPCO Fukushima Plant and U.S. Plants - Comprehensive Technical Data on Systems, Components, and Operations Atomic Accidents: A History of Nuclear Meltdowns and Disasters: From the Ozark Mountains to Fukushima Crisis Without End: The Medical and Ecological Consequences of the Fukushima Nuclear Catastrophe Strong in the Rain: Surviving Japan's Earthquake, Tsunami, and Fukushima Nuclear Disaster Fukushima: The Story of a Nuclear Disaster Fetal Heart Monitoring: Principles and Practices (AWHONN, Fetal Heart Monitoring) Magnetism and Synchrotron Radiation: Towards the Fourth Generation Light Sources: Proceedings of the 6th International School "Synchrotron Radiation ... 2012 (Springer Proceedings in Physics) Atoms, Radiation, and Radiation Protection Atoms, Radiation, and Radiation Protection, 2nd Edition Idaho Falls: The Untold Story of America's First Nuclear Accident Thule - The Nuclear Weapon Accident Near Thule Greenland London Congress on Nuclear Radiation, Control and Health (Congress Lectures) NUF Cram Notes: Rennhack's Concise Study Guide for the Contract Radiation Protection Technician Nuclear Utilities Fundamentals (NUF) Exam Nuclear War Survival Skills: Lifesaving Nuclear Facts and Self-Help Instructions Nuclear Energy, Seventh Edition: An Introduction to the Concepts, Systems, and Applications of Nuclear Processes Nuclear Weapons Databook: Volume I - U.S. Nuclear Forces and Capabilities Nuclear Chemical Engineering (1957) (McGraw-Hill Series in Nuclear Engineering)