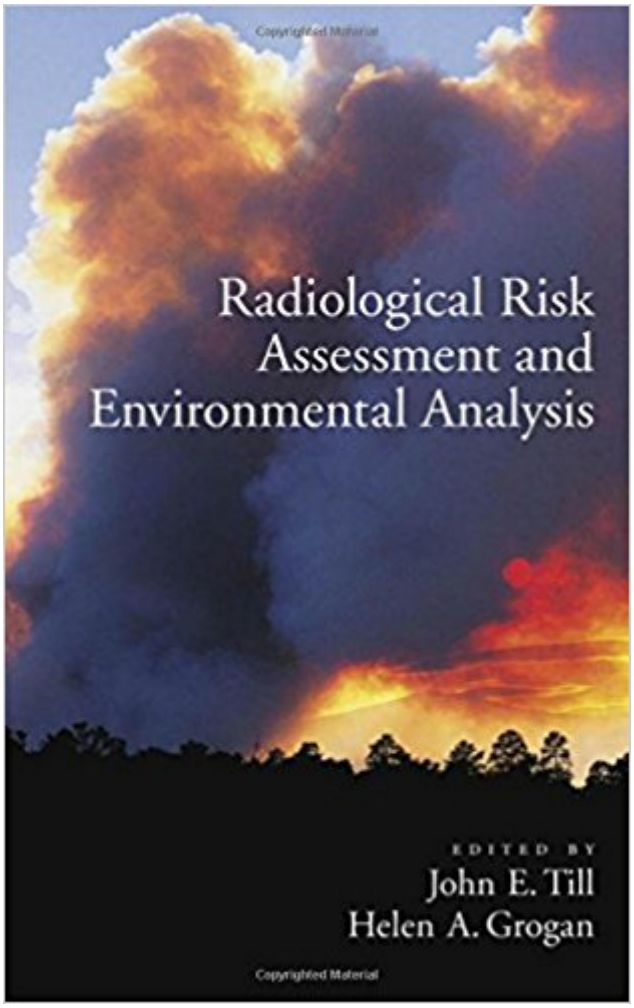
Radiological Risk Assessment And Environmental Analysis



Synopsis

Radiological Risk Assessment and Environmental Analysis comprehensively explains methods used for estimating risk to people exposed to radioactive materials released to the environment by nuclear facilities or in an emergency such as a nuclear terrorist event. This is the first book that merges the diverse disciplines necessary for estimating where radioactive materials go in the environment and the risk they present to people. It is not only essential to managers and scientists, but is also a teaching text.The chapters are arranged to guide the reader through the risk assessment process, beginning with the source term (where the radioactive material comes from) and ending with the conversion to risk. In addition to presenting mathematical models used in risk assessment, data is included so the reader can perform the calculations. Each chapter also provides examples and working problems.The book will be a critical component of the rebirth of nuclear energy now taking place, as well as an essential resource to prepare for and respond to a nuclear emergency.

Book Information

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Customer Reviews

"...the revised edition of the 1983 book is a welcome addition to the published literature. It is based on many years of experience by acknowledged experts in their fields and will serve as an excellent textbook for students of this discipline and as a reference book for practitioners.... universally valid and applicable."--Health Physics Society

John E. Till is president and founder of Risk Assessment Corporation (RAC), based in Neeses. South Carolina.Helen A. Grogan is president of Cascade Scientific, Inc., based in Bend, Oregon.

This is an important, must-have contribution to this field, written by one of the leaders and most widely respected scientists in the area of radiation risk assessment.

Great reference book by two well respected experts

John Till and Helen Grogan have put together an excellent team of authors with great knowledge in the field of environmental assessment and uncertainty analysis. A major inclusion in this text is one of communication with the public and how to gain their trust in dealing with the sensitive and difficult topic of radiological health effects. Dr. Till has specialized in this area as well as technical areas and has been awarded several national awards for his efforts. The text is clearly written by the various authors with many details, graphs, and tables to illustrate the points at hand. Many of the chapters also include problems which can be used for class assignments. It is this, however, where the text could use a little improvement. Yes, I could sit down and answer these prior to assignment but it would be nice if the chapter authors had either a separate text or supplied the rationale and solutions to their problem. Regardless, this book, to re-iterate, is an exceptional value and a leader in its field.

Complex, High-Consequence Systems (Rff Press) Layer of Protection Analysis: Simplified Process Risk Assessment Small-Scale Wind Power: Design, Analysis, and Environmental Impacts (Environmental Engineering Collection) Disaster Nursing and Emergency Preparedness for Chemical, Biological and Radiological Terrorism and Other Hazards, 2nd Edition Disaster Nursing and Emergency Preparedness: for Chemical, Biological, and Radiological Terrorism and Other Hazards, Third Edition Individual Preparedness and Response to Chemical, Radiological, Nuclear, and Biological Terrorist Attacks Clinical and Radiological Anatomy of the Lumbar Spine, 5e Principles of Radiological Health and Safety