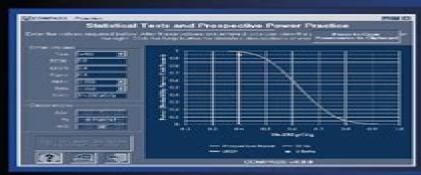
# DECOMMISSIONING HEALTH PHYSICS A Handbook for MARSSIM Users

SECOND EDITION



Eric. W. Abelquist



# <u>Decommissioning Health Physics A Handbook For</u> <u>Marssim Users</u>

**Eric W. Abelquist** 

#### **Decommissioning Health Physics A Handbook For Marssim Users:**

**Decommissioning Health Physics** Eric W. Abelguist, 2013-10-10 Experienced Guidance on the Technical Issues of Decommissioning ProjectsWritten by one of the original MARSSIM authors Decommissioning Health Physics A Handbook for MARSSIM Users Second Edition is the only book to incorporate all of the requisite technical aspects of planning and executing radiological surveys in support of decommissioning Extensively revised and updated it covers survey instrumentation detection sensitivity statistics dose modeling survey procedures and release criteria New to the Second Edition Chapter on hot spot assessment that recognizes appropriate dosimetric significance of hot spots when designing surveys and includes a new approach for establishing hot spot limits Chapter on the clearance or release of materials highlighting aspects of the MARSAME manual Revised chapter on characterization survey design to reflect guidance in ANSI N13 59 on the value of data quality objectives DQOs Updated regulations and guidance documents throughout Updated survey instrumentation used to support decontamination and decommissioning D D surveys including expanded coverage of in situ gamma spectrometers Revised statistics chapter that includes an introduction to Bayesian statistics and additional double sampling and ranked set sampling statistical approaches More case studies and examples throughout Implement the Surveys Effectively and Avoid Common PitfallsWith more than 20 years of experience as a practitioner in the decommissioning survey field author Eric W Abelguist prepares you for the technical challenges associated with planning and executing MARSSIM surveys He discusses the application of statistics for survey design and data reduction and addresses Decommissioning Health Physics Eric W. the selection of survey instrumentation and detection sensitivity Abelguist, 2001-07-04 Decommissioning Health Physics presents many of the technical issues and challenges that arise during the planning and implementation of decommissioning and decontamination D D projects The focus is on the final status survey performed during the later stages of decommissioning projects It expands upon and provides greater technical detail than **Decommissioning Health Physics** Eric W. Abelguist, 2013-10-10 Experienced Guidance on the Technical Issues of Decommissioning ProjectsWritten by one of the original MARSSIM authors Decommissioning Health Physics A Handbook for MARSSIM Users Second Edition is the only book to incorporate all of the requisite technical aspects of planning and executing radiological surveys in support of decommissioning Extensively revised and updated it covers survey instrumentation detection sensitivity statistics dose modeling survey procedures and release criteria New to the Second Edition Chapter on hot spot assessment that recognizes appropriate dosimetric significance of hot spots when designing surveys and includes a new approach for establishing hot spot limits Chapter on the clearance or release of materials highlighting aspects of the MARSAME manual Revised chapter on characterization survey design to reflect guidance in ANSI N13 59 on the value of data quality objectives DQOs Updated regulations and guidance documents throughout Updated survey instrumentation used to support decontamination and decommissioning D D surveys including expanded coverage of

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