

Managing Hazardous Materials

A Definitive Text

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3rd Edition



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About IHMM

The Institute of Hazardous Materials Management (IHMM) is a not-for-profit organization founded in 1984. The Institute's charge has been to protect the environment as well as the public's health, safety and security by administering credentials that recognize professionals who have demonstrated a high level of knowledge, expertise and excellence in hazardous materials management. More than 16,000 homeland security, environmental protection, engineering, health sciences, transportation and public safety professionals have earned IHMM credentials.

IHMM offers three certifications to environmental health and safety (EH&S) professionals: 1) Certified Hazardous Materials Manager (CHMM); 2) Certified Hazardous Materials Practitioner (CHMP), and; Certified Dangerous Goods Professional (CDGP). Details about these certifications can be found at the IHMM website. IHMM is an approved accreditation body for personnel credentials under ANSI/ISO/IEC 17024, *Conformity assessment—General requirements for bodies operating certification of persons* and The Council of Engineering & Scientific Specialty Boards.

IHMM delivers these three credentials electronically, so professionals obtain them in a timely manner: 1) EH&S Professionals with required qualifications can study on their own using the IHMM credential blueprints or body of knowledge, 2) EH&S Professionals can take the computer-based examination at testing centers throughout the world, and 3) Examinations are delivered on demand at any time throughout the year.

While no single book can provide all the information needed for certification, this volume defines the essential areas of study and guides the review process towards a candidate's successful performance on IHMM credential examinations.

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Preface

We are eternally grateful to Jack E. Leonard, PhD, CHMM, and Gary D. Robinson, CHMM (Ret.), the editor and associate editor respectively, of the first and second editions of this book. Their vision, to create a resource for Certified Hazardous Materials Manager (CHMM) candidates, as well as a college-level text for aspiring hazardous materials professionals, remains the focus of this publication. Their hard work and dedication, as well as that of all of the original contributors, form the starting point for this edition.

Since that first publication in 2002, the Institute of Hazardous Materials Management (IHMM) has expanded their professional certifications to include the Certified Hazardous Materials Practitioner (CHMP) and the Certified Hazardous Goods Professional (CDGP). In addition, the CHMM blueprint, which governs certification competency requirements, has been reviewed and updated. This third edition of *Managing Hazardous Materials* is based on the latest blueprints for all three IHMM professional certifications.

We have been privileged to work on this project. The outpouring of volunteers to write and peer review chapters has been gratifying, and the quality of their work high. The selected authors and peer reviewers have freely shared their vast pool of expertise and experience for the greater good of the profession. They have been extraordinarily patient and kind. The process took longer than any of us foresaw, and the goal of creating a seamless, coherent text sometimes meant significant rewriting. We can hardly express our gratitude warmly or loudly enough.

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