



Safety Engineering: Principles and Practices

By Frank R. Spellman, Nancy E. Whiting



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The new *Safety Engineering* provides an overview of the fundamentals with expanded coverage of practical information for protecting workers and complying with federal regulations.

This *Second Edition* features eight new chapters, including Thermal Stress, Security and Vulnerability Assessment, Computer and Data Security, Contemporary Problems Affecting Workers, and Preventing Workplace Violence. This edition also examines the safety industry's new homeland security responsibilities and needs.

Written for a wide variety of readers, including safety directors, supervisors, government officials, and students, this handy yet comprehensive reference book looks at the paperwork side of safety: identifying regulatory requirements, conducting accident investigations, preparing an emergency response plan, preparing for inspections, and complying with recordkeeping requirements. It also examines specific OSHA standards and their requirements from the Title 29 Code of Federal Regulations, defining each issue, looking at the causes of injury and non-compliance, providing provisions for protecting employees, and offering guidance for controlling or improving safety.

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Editorial Review

About the Author

Frank R. Spellman is an assistant professor of Environmental Health at Old Dominion University Norfolk, Virginia. He has extensive experience in environmental science and engineering, in both the military and the civilian communities. A professional member of the American Society of Safety Engineers, Water Environment Federation, and the Institute of Hazardous Materials Managers, Frank Spellman is a Certified Safety Professional and a Certified Hazardous Materials Manager. **Nancy E. Whiting** is a freelance technical writer in water/wastewater issues, environmental science, and education.

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