



Accident Prevention Manual for Business and Industry

National Safety Council

This four-volume set contains information needed to develop, maintain, and improve occupational safety programs, and includes Publication #s 0650, 0660, 01-002 and 9802. See details of each publication below.

Administration & Programs, 13th Edition

Publication #0650 \$199.35

New to this edition of *Administration & Programs* are relevant case studies and completely new chapters on:

- Homeland Security
- Safety & the impact of the law
- Indoor air quality
- Workplace violence
- Safety culture
- The safety professional



Revised and updated chapters include:

- Regulatory History
- Loss Control Programs
- Workers' Compensation
- Safety Inspections
- Emergency Preparedness
- Ergonomics
- Transportation Safety
- Incident Investigation
- Computers and Information Management

ISBN: 978-0-87912-212-6. © 2009.

Also Available on CD-ROM. See Computer Resources section of this catalog, page 44.

Engineering & Technology, 13th Edition

Publication #0660 \$199.35

This revision includes new chapters on designing in safety, medical surveillance, shift work stress, clean rooms, and heat and cold stress. It also discusses the latest in equipment safeguarding, materials handling and storage, and much more. Workbooks are included.

ISBN: 978-0-87912-213-3. © 2009.

Also Available on CD-ROM. See Computer Resources section of this catalog, page 44.



Environmental Management, 2nd Edition

Gary R. Krieger, Editor

Publication #01-002 \$145.65

Released in March 2000, this reference is organized into three sections: General Framework, Waste Management, and Special Concerns. This edition includes: 10 case studies in environmental management, a comprehensive environmental resource guide, a glossary of acronyms, and a glossary of terms.

ISBN: 978-0-87912-209-6. © 2000. 539 pages.



NEW EDITION

Accident Prevention Manual: Security Management, 2nd Edition

Richard W. Lack, Editor

Publication #9802 \$130

Accident Prevention Manual: Security Management is an essential resource for safety managers and individuals with security-related responsibilities, including human resource managers, facility managers and operations managers. This manual is designed to prepare students for a career in security and safety management and features new and updated sections on:

- Management of proprietary information
- Physical security concepts
- Critical incident management

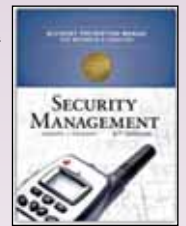
Find all-new chapters, including:

- Management of Proprietary Information
- The Physical Security Survey
- Crime Prevention through Environmental Design
- Developing an Emergency Operations Plan
- Public-Private Partnership on Security
- Terrorism Preparedness
- Pandemic Preparedness

ISBN: 978-0-87912-260-7. © 2010. 407 pages.

Also Available as a 4 volume set.

Publication #APMCombo \$545.90



Advanced Safety Management: Focusing on Z10 and Serious Injury Prevention

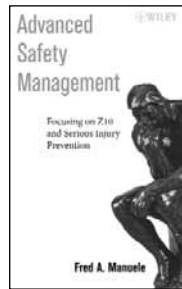
Fred A. Manuele

Publication #08-006 \$89.95

Advanced Safety Management provides the information and guidance needed to improve the effectiveness of safety and health management systems by implementing ANSI Z10 provisions. The book also helps determine and prepare for the beneficial effects that integrating ANSI Z10 provisions can have on productivity, cost efficiency, and quality. Key topics covered include:

- Risk Assessment Methods and Prioritization
- Applying a Prescribed Hierarchy of Controls
- Implementing and Performing Safety Design Reviews
- Including Safety Specifications in Purchasing and Procurement Systems
- Management of Change Systems

ISBN: 978-0-470-10953-3. © 2008. 416 pages.



Assurance Technologies Principles and Practices: A Product, Process, and System Safety Perspective, Second Edition

Dev G. Raheja and Michael Allocco

Publication #07-010 \$94.50

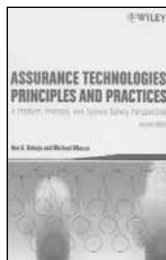
Asserting that safety is not a cost, but an investment, this book unites the gamut of disciplines that are essential for effective design applying assurance technology principles, including: system safety, reliability, maintainability, human engineering, quality, logistics, software integrity, and system integration. Four new chapters have been added to the Second Edition:

- Managing Safety-Related Risks
- Statistical Concepts, Loss Analysis, and Safety-Related Applications
- Models, Concepts, and Examples: Applying Scenario-Driven Hazard Analysis
- Automation, Computer, and Software Complexities

With its detailed examples and real-world challenges, this book is an advanced resource for both students and professionals in safety, industrial engineering, systems engineering, risk engineering, and other assurance technology domains.

ISBN: 978-0-471-74491-7. © 2006. 472 pages.

“It is an outstanding reference that I’m sure you’ll use on a regular basis.” — David Barber, CIH, MS



Beyond Human Error: Taxonomies and Safety Science

Brendan Wallace and Alastair Ross

Publication #06-011 \$85.95

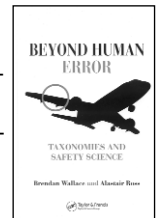
This book focuses on a new concept in accident prevention that explores a cognitivist, more modern viewpoint on assessing accidents. Based on research in the rail, nuclear, and defense industries, the authors deconstruct the conventional concept of human error and suggest that systems and sociological factors should not be ignored in contemporary safety science. The limitations of the conventional process of creating a taxonomy of error events are defined, and examples of alternative approaches are provided by the authors. Also found in the book:

- A step-by-step illustration of how to create and test a taxonomy of safety related data
- A taxonomy test demonstration and assessments of all basic statistics for such tests
- A brief introduction to Bayesian statistics and how they can be used in reliability studies and predictive modeling
- Critiques of existing methodologies in safety management, specifically root cause and human error

ISBN: 978-0-8493-2718-6. © 2006. 288 pages.

“Those professionals who wish to expand and challenge their thinking about safety science will benefit from reading this book.”

— David Clapp, PhD, PE, CIH



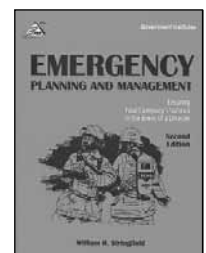
Emergency Planning and Management: Ensuring Your Company's Survival in the Event of a Disaster, 2nd Edition

William H. Stringfield

Publication #9649 \$95

Natural or man-made disasters can devastate company operations if emergency plans are not in place. This helps companies assess their exposure to disasters and formulate emergency preparedness, response, and recovery plans for their facilities. With detailed checklists, an overview of federal requirements, procedures for record preservation, and a sample plan, the book offers a comprehensive guide to surviving an emergency. The text encompasses emergencies ranging from storms, earthquakes, and fires to civil disturbances, terrorism, and sabotage.

ISBN: 978-0-86587-690-3. © 2001. 278 pages.



Fundamentals of Fire Protection for the Safety Professional

Lon Ferguson and Christopher Janicak

Publication #06-001 \$87

A training tool for the workplace or the classroom, this book provides safety managers guidance on how to incorporate fire hazard awareness and protection into their safety management plans. According to this guide, the key to designing safety management programs that protect an organization's assets is understanding fire safety basics, the physics of fire, and the properties and classes of common hazards. The rules, references, and guidelines are broken down into easy to understand tables, diagrams, and photographs. Topics covered include:



- Developing emergency action plans and fire prevention plans
- Implementing effective alarm and detection systems and fire extinguishment systems
- Fire hazards in the workplace
- Practical fire safety principles

Chapter summaries, sample problems, answers to chapter questions, and a comprehensive glossary and index are also included.

ISBN: 978-0-86587-988-1. © 2005. 304 pages.

NEW EDITION

Fundamentals of Occupational Safety and Health, Fifth Edition

Mark A. Friend and James P. Kohn

Publication #07-006 \$79

The fifth edition of this popular handbook provides a thorough and up-to-date overview of the occupational safety and health field and the issues safety professionals face today, and does so in an accessible and engaging manner.



An excellent introductory reference for both students and professionals, *Fundamentals of Occupational Safety and Health* provides practical information regarding technology, management, and regulatory compliance issues, covering crucial topics like organizing, staffing, directing, and evaluating occupational safety programs and procedures.

All major occupational safety and health topics are addressed in this comprehensive volume, including safety-related laws and regulations, hazardous materials, workplace violence, the threat of terrorism, and OSHA's recordkeeping standard. This new edition has been updated to keep up with new regulations and statistics, and it includes a brand new chapter on transportation safety. Two chapters — Industrial Hygiene and Terrorism Preparedness — have also been completely rewritten to reflect current practice.

The volume includes a handy directory of resources such as safety and health associations, First Responder organizations, and state and federal agencies. This directory, together with the text, gives readers a wealth of occupational safety and health information right at their fingertips.

ISBN: 978-1-60590-706-2. © 2010. 504 pages.

NEW TITLE

Guidelines for Developing Quantitative Safety Risk Criteria

Center for Chemical Process Safety (CCPS)

Publication #10-001 \$94.95

This book creates a foundation document for the development and application of risk tolerance criteria and helps safety managers evaluate the frequency, severity, and consequence of human injury. It focuses on understanding the meaning of the various criteria that have been used, their bases, how they are applied, and how this experience can be used by organizations considering similar approaches as part of their own process risk management systems. Topics in the book include:



- Fundamental concepts of risk assessment and risk criteria
- Learning from regulatory precedents
- Consideration in developing risk criteria
- Understanding and using F-N diagrams
- Survey of worldwide risk criteria applications
- Development of company risk criteria

ISBN: 978-0-470-26140-8. © 2009. 211 pages.

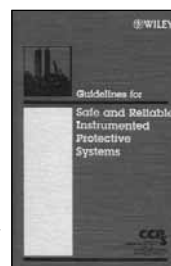
"I highly recommend this excellent book for all ESH managers. It provides a different level of risk analysis." — David Barber, CIH

Guidelines for Safe and Reliable Instrumented Protective Systems

Center for Chemical Process Safety (CCPS)

Publication #07-018 \$135

This book combines all of the basic concepts of Integrated Safety Management (ISM), also known as Life Cycle Management, into one easy-to-use reference. The decision-making processes for the management of instrumented protective systems (IPS) throughout a project's life cycle are explained, and the new IEC 61511 Standard is used as the basis for the work processes used to achieve safe and reliable process operation.



The examples of real-life experience applications provided in the book will be useful to workers in safety engineering, industrial processes, laboratory operations, plant operations, and facility operations.

ISBN: 978-0-471-97940-1. © 2007. 405 pages.

"This is an essential text that should be on everyone's desk."
—David L. Barber, CIH, MS

Handbook of OSHA Construction Safety and Health, 2nd Edition

Charles D. Reese and James Vernon Eidson

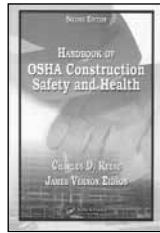
Publication #99-050 \$113.95

This handbook addresses the occupational safety and health issues faced by workers in the construction industry. Contract liability and multi-employer sites are highlighted in this new edition, as well as updates for construction regulations, construction job audit, training requirements, and OSHA regulations. Topics covered include:

- Program development
- Safety and health program implementation
- Intervention and prevention of construction incidents
- Regulatory interpretations
- Understanding and compliance
- OSHA's expectations
- Health and safety hazards

New record-keeping guidelines, forms and updated contact information for the new agencies are included along with a model safety and health program, examples of accident analysis and prevention approaches, sample safety and health checklists, and more than 200 illustrations.

ISBN: 978-0-84936546-1. © 2006. 984 pages.



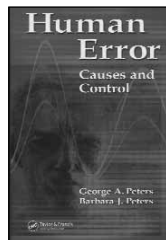
Human Error: Causes and Control

George A. Peters and Barbara J. Peters

Publication #06-018 \$85.95

Appropriate for safety and health students and professionals, this book provides a detailed evaluation of risk assessment systems and alternative analytic methods used to classify and evaluate human errors. Theories, methods, and specific techniques for controlling human error are explored throughout the book, and topics covered include: human factors design guidelines, testing and functional validation, managerial errors, institutional and organizational errors, management challenges, and professional responsibility/ethics.

ISBN: 978-0-8493-8213-0. © 2006. 232 pages.



Illustrated Dictionary and Resource Directory of Environmental & Occupational Health, Second Edition

Herman Koren

Publication # 05-015 \$199.95

This is a comprehensive reference source of 16,000 diverse terms and topics that encompass the fields of environmental science, occupational health and safety, and preventive medicine. The Second Edition includes 8,500 new terms related to equipment and environmental control, new and emerging diseases, hazardous chemicals, bioterrorism and emergency response, and environmental resources. Topics covered include:

- Chemical, biological, and physical hazards
- Emerging diseases



- Instrumentation, GIS and mapping
- Microbiology
- Terrorism and bioterrorism
- Pesticides
- Epidemiology
- Toxicology
- Risk assessment and statistics
- Environmental programs
- Air quality and indoor air pollution
- Solid and hazardous waste management
- Weather, geology and geography
- Food protection, food borne disease, and food technology

The combination of eclectic terms, hundreds of listed resources such as government agencies, professional and industrial organizations, and over 1,000 detailed illustrations make this a valuable resource for professionals.

ISBN: 978-1-56670-590-5. © 2004. 712 pages.

Innovations in Safety Management: Addressing Career Knowledge Needs

Fred A. Manuele

Publication #01-035 \$125

Developed from a survey of corporate safety directors, conducted by renowned safety expert Fred Manuele, this title addresses topics that are critical to the knowledge base of any successful safety professional. Some of the topics included are:

- Risk assessment
- Risk analysis
- Financial management
- The use of statistics to explain, in financial terms, courses of action to upper management

This is an excellent new resource for safety directors who wish to enhance their educations and careers.

ISBN: 978-0-471-43959-2. © 2001. 251 pages.



Job Hazard Analysis

George Swartz

Publication #02-007 \$87

This step-by-step, illustrated guide to identifying risks and preventing occupational hazards in the workplace will empower a wide range of safety and health professionals, regardless of their level of expertise, in the use of job hazard analyses (JHA). This text examines the JHA program and helps safety professionals create and maintain a successful JHA program with guidance from a veteran safety professional. Topics discussed in *Job Hazard Analysis* include:



- Job lists, JHA forms, job observations
- Identifying workplace hazards
- The 11 injury-related job risks
- The 14 elements of successful safety and health programs

This guide also features dozens of photos, sample JHAs, and 25 job category checklists for assessing common hazards.

ISBN: 978-0-86587-818-1. © 2001. 205 pages.

NEW EDITION

Leading with Safety, 2nd Edition (Available September, 2011)

Thomas R. Krause and Rebecca Nigel

Publication# 06-004 \$ TBD

A description of the 2nd Edition of *Leading With Safety* was not available at press time, but will be updated on the ACGIH® website as soon as the information is available.

ISBN: 978-0-470-64210-8. © 2011.

Managing Maintenance Shutdowns and Outages

Joel Levitt

Publication #05-005 \$47.95

Filled with examples from many industries and actual events, *Managing Maintenance Shutdowns and Outages* is designed as a reference for heavy industry process operations maintenance projects, and focuses on how to effectively plan and manage the diverse details of large maintenance jobs and projects such as power plant outages, refinery refits, and more. The book introduces steps for a successful shutdown or outage and details each phase: initiation, planning, execution, closeout, and lessons learned. A complete shutdown glossary and an outside references section are included, making this a valuable tool for occupational hygienists, safety professionals, maintenance managers, project engineers, and supervisors.



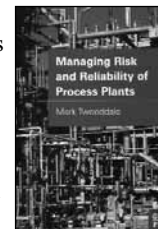
ISBN: 978-0-8311-3173-9. © 2004. 208 pages.

Managing Risk and Reliability of Process Plants

Mark Tweeddale

Publication #04-003 \$97.95

This book is a comprehensive resource that promotes industrial health and safety in the field of risk management and risk assessment in the process and chemical engineering industry. It focuses on major safety hazards and processing hazards that interrupt production, and on how to balance safety issues with plant performance. Real-world case studies and useful approaches to recognize early warning signs for preventing major accidents that can cost lives, property and environmental damage are also featured.



ISBN: 978-0-7506-7734-9. © 2003. 528 pages.

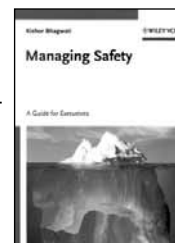
“Dr. Mark Tweeddale has written a practical and resource rich book on process safety that will astound you.” — David L. Barber, CIH, MS

Managing Safety: A Guide for Executives

Kishor Bhagwati

Publication #07-005 \$100

Written by an author who truly understands safety management, this book targets upper and middle management and offers a new approach to preventing serious incidents. It focuses on the idea that accidents can be avoided with little effort and money if management follows simple steps to help establish an injury-free culture. Chapters in the Table of Contents include:



- Consequences of Accidents
- Man or Machine?
- Why Do Accidents Happen?
- The Myths of Management
- Who “Makes” Safety?
- The Art of Talking
- Brainstorming
- The Methodology of an Accident Investigation
- The Art of Questioning

ISBN: 978-3-527-31583-3. © 2007. 235 pages.

Natural Gas Safety Handbook for Utility Workers and Contractors

National Safety Council and U.S. Department of Transportation

Publication #04-013 \$32.96

Written by experts in the field for workers who perform maintenance and installation of gas systems, this handbook is a “must have” for safety and health professionals and contractors who work with natural gas systems.

This handbook provides basic knowledge of hazards unique to employees of gas utilities, as well as guidelines and procedures that promote safe working conditions. Topics are organized in an easy to use format and include:

- General Safety
- Fire Safety
- Personal Safety (Devices & Equipment)
- Workplace Safety
- Hazardous Environments – Recognition
- Gas Facilities
- First Aid
- And More!

ISBN: 978-0-87912-248-5. © 2003. 87 pages.

“I found that this book contains good general principles for evaluating hazards.” — David Barber, CIH, MS



Pocket Guide To Safety Essentials

Eileen M. Reynolds

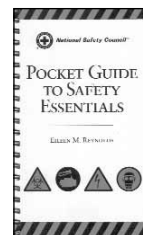
Publication #02-009 \$54.60

This is a handy, well-organized manual for safety professionals studying for the CSP certification examination or for professional use on a daily basis as a general reference. This practical manual contains numerous diagrams, tables, definitions, laws, formulas, and facts within various fields. Some fields covered in the manual include:

- Electricity
- Ergonomics
- Industrial hygiene
- Occupational medicine
- Liability and insurance compensation
- Fire and explosions

This is a great pocket reference with a wide application for safety professionals regardless of their level of expertise.

ISBN: 978-0-87912-217-1. © 2001. 181 pages.



Project Risk Management

Bruce T. Barkley

Publication #04-014 \$52

Using an unconventional treatment of project risk management, this book views risk as the result of bad project selection, bad business planning, and bad company-wide culture. This new perspective on project risk is based on risk management at the business level; project planning and management practice; and building an organizational culture that recognizes risk as the consequence of bad planning. Topics covered include:

- Identifying, categorizing, ranking, and assessing risks
- Contingency plans and project schedules
- Relating risk to cost control and budget issues
- Demystifying risk and integrating it into business and project planning and control

The author’s knowledge of the subject matter is evident in the numerous and detailed case examples found in the book, and the clear, uncomplicated presentation of material.

ISBN: 978-0-07-143691-5. © 2004. 229 pages.

“Most project managers learn these lessons the hard way. Reading this book would avoid many costly mistakes.” — James Martin, CIH



Occupational Health & Safety, 3rd Edition

National Safety Council

Publication #01-006 \$145.65

This completely revised edition will enable organizations to tackle a myriad of occupational health and safety issues with one complete reference text. Topics covered include: workplace exposures, shift-work stress, radiation safety, occupational stress, ergonomics, and back injuries, fitness programs, and substance abuse.

ISBN: 978-0-87912-203-4. © 2000. 606 pages.



Occupational Safety and Health Library

National Safety Council

Publication #NSC Combo \$834.65

This library reference set contains six titles that are fundamental to any professional safety practice. The set includes:

- *Accident Prevention Manual for Business and Industry: Administration & Programs, 13th Edition; page 16.*
- *Accident Prevention Manual for Business and Industry: Engineering & Technology, 13th Edition; page 16.*
- *Accident Prevention Manual for Business and Industry: Environmental Management, 2nd Edition; page 16.*
- *Accident Prevention Manual for Business and Industry: Security Management; page 16.*
- *Occupational Health & Safety, 3rd Edition; page 21.*
- *Fundamentals of Industrial Hygiene, 5th Edition; page 6.*

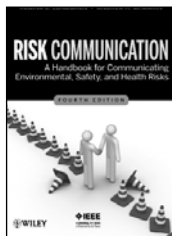
Risk Communication: A Handbook for Communicating Environmental, Safety, and Health Risks, Fourth Edition

Regina Lundgren, Andrea McMakin

Publication #99-027 \$79.95

When health, safety, or environmental risks take center stage, communicating risk information can be a daunting challenge. Professionals, scientists, engineers, and students will benefit from the contemporary, practical advice offered here on what to do – and what to avoid – for successful risk communication. Outstanding features include the melding of scientific research with hands-on advice from risk practitioners. The Fourth Edition of *Risk Communication: A Handbook for Communicating Environmental, Safety, and Health Risk* is a valuable introduction to the field as well as a refresher and reference book for practitioners. The handbook has been updated with expanded coverage of laws, approaches, messages, and technology-based applications such as social media, as well as all-new information on international risk communication.

ISBN: 978-0-470-41689-1. © 2009. 384 pages.



NEW EDITION

Safety Metrics: Tools and Techniques for Measuring Safety Performance, Second Edition

Christopher A. Janicak

Publication #03-001 \$85

Written for safety professionals with limited exposure to statistics and safety-performance-measurement strategies, this comprehensive guide prepares readers for determining corrective action before an accident or injury occurs, and aids in the development of an effective safety metrics program. Recently updated, this new edition shows how to incorporate safety management system components into a safety performance program and provides techniques for analyzing safety performance data.



A collection of tools and techniques discussed in the book includes:

- Descriptive and inferential statistics
- Cause and effect analyses
- Measures of variability
- Run charts and control charts
- Trending and forecasting
- Safety metric program development, implementation, and evaluation techniques

An overview of safety metrics, data collection and analysis, and a set of detailed procedures for collecting data, analyzing it, and presenting it are also included to help develop an effective safety metrics program.

ISBN: 978-1-60590-260-9. © 2009. 218 pages.

NEW TITLE

Safety, Health, and Environmental Auditing: A Practical Guide

Simon W. Pain

Publication #10-004 \$89.95

Safety, Health, and Environmental Auditing: A Practical Guide provides user-friendly guidance on improving safety, health, and environmental performance in a step-by-step manner and integrates concepts into a common approach of loss prevention. Accurate auditing that is representative and repeatable is emphasized in the book, and the author provides a set of audit protocols covering 60 different aspects of environmental, health, and safety management and frequently used practical administrative checklists for planning and conducting an audit.

Not only does this book advise on the human factor elements of successful auditing, it also provides a detailed methodology that shows organizations how to conduct their own audits in an effective manner. A CD-ROM with audit protocols and the Plaudit 2 audit protocols is included.

ISBN: 978-1-4398-2947-9. © 2010. 230 pages.

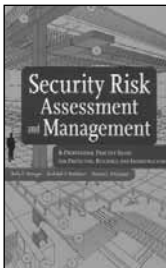


Security Risk Assessment and Management: A Professional Practice Guide for Protecting Buildings and Infrastructures

Betty Biringer, Rudolph Matalucci and Sharon O'Connor

Publication #07-012 \$95

A best practices book for security risk assessment and management of buildings and their supporting infrastructures, *Security Risk Assessment and Management* is designed to optimize the security of workplace environments for occupants and to protect the interests of owners and other stakeholders. This comprehensive risk assessment and management approach has been used by various organizations including the U.S. Bureau of Reclamation, the U.S. Army Corps of Engineers, and numerous other private corporations.



This book provides the tools to:

- Identify regional and site-specific threats that are likely and credible
- Evaluate the consequences of these threats, including loss of life and property, economic impact, as well as damage to symbolic value and public confidence
- Assess the effectiveness of physical and cyber security systems and determine site-specific vulnerabilities in the security system

The analytical tools provided will assist in determining whether to accept a calculated estimate of risk or to reduce the estimated risk to a level that meets particular security needs, and help implement a risk-reduction program through proven methods to upgrade security to protect against a malicious act and/or mitigate the consequences of the act.

ISBN: 978-0-471-79352-6. © 2007. 384 pages.

Workplace Safety: A Guide for Small and Mid-sized Companies

Dan Hopwood and Steve Thompson

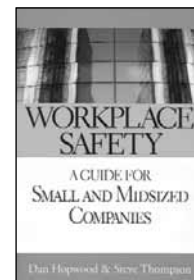
Publication #07-009R \$45

Workplace Safety uses a direct approach to creating the basic elements of a successful safety program that could actually apply to any company. Up-to-date information and real world examples that demonstrate how to prevent, as well as confront, the common health and safety issues that arise in the workplace are covered. The book explores the strategies and tactics of managing safety in the workplace; how to assess where you are to determine the risk you have; developing a risk-based, cost effective worker safety and health program; the importance of hazard identification, using precursors of risk and effective controls, and corrective action management; how to manage emergencies, their related planning needs, and response; moral and ethical considerations in workplace safety; implanting strategies that lead to successful use of workers' compensation and insurance programs; and creating a safety culture that can be self-regulating and ultimately avoid the conditions and behaviors that lead to injury and illness in the workplace.

ISBN: 978-0-7821-3604-3. © 2006. 256 pages.

"This is a useful book and I can highly recommend it..."

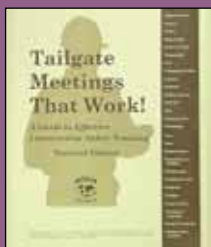
— Roger Briggs, CIH, MPH



Tailgate Meetings That Work! A Guide to Effective Construction Safety Training, National Edition

Publication #9655 \$99.95

Time and again, statistics show that construction is one of the most hazardous industries in the United States. This book's innovative format makes construction tailgate meetings or toolbox talks more effective while helping to achieve compliance with federal regulations. For each of its 27 separate topic areas, the guide provides a walk-around checklist (that identifies site-specific hazards, applicable federal regulations, and good practice guidelines to help the trainer prepare for a talk), and a training guide (to step the trainer through a meeting or talk).



ISBN: 978-1-882417-17-9. © 1997. 324 pages.

*ACGIH® Members receive 10% off all ACGIH® Signature Publications.