

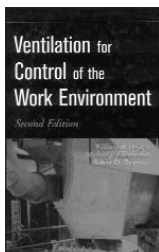
## Ventilation for Control of the Work Environment, Second Edition

William A. Burgess, Michael J. Ellenbecker and Robert D. Treitman

Publication #05-003 \$130

This book is designed to be used with the latest edition of ACGIH®'s *Industrial Ventilation: A Manual of Recommended Practice for Design* and provides detailed coverage of theoretical and practical aspects of industrial ventilation systems. The new edition features end-of-chapter problem sets, both English and metric units, new ventilation practices, and research advances. Topics covered include:


- Overview of industrial exhaust ventilation and its impact
- Methods and instrumentation for measuring airflow



- Hood design, selection, and performance; fan design and performance
- Computational flow dynamics
- Fluid mechanics, general exhaust ventilation, and air-cleaning devices
- The design of local exhaust ventilation systems
- The re-entry of exhausted air

ISBN: 978-0-471-09532-3. © 2004. 424 pages.

# INDOOR AIR QUALITY

 **ACGIH® Signature Publications®**

## Air Sampling Instrument Selection Guide: Indoor Air Quality

Chuck McCammon, Editor


Publication #9852 \$30.25

This handy guide offers the information you need to select the appropriate air sampling instruments for indoor air quality (IAQ) investigations. Prepared by the ACGIH® Air Sampling Instruments Committee, this special selection guide covers measurements for carbon dioxide, carbon monoxide, oxides of nitrogen, formaldehyde, ozone, particulate matter, volatile organic compounds, and bioaerosols.

A brief overview of the constituent is followed by tables listing available instruments and their capabilities. A complete list of manufacturers is also included. The selection guide is based on, and an adjunct to, the *Air Sampling Instruments Manual*.

ISBN: 978-1-882417-27-8. © 1998. 56 pages.

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

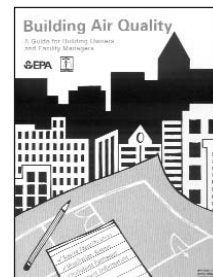


## Building Air Quality

U.S. EPA and NIOSH

Publication #9257 \$32

This “self-help” guide for building owners and facility managers contains information on developing an IAQ building profile and management plan, identifying causes and solutions to problems and appropriate control strategies, and deciding whether outside technical assistance is needed. Sections focus on key problem-causing factors, air quality sampling, HVAC system operation and maintenance, mold and moisture problems, and other topics. Checklists, forms, flowcharts, and tables are also included in this looseleaf notebook with tabbed dividers. © 1991. 229 pages.

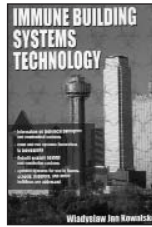


## Immune Building Systems Technology

Wladyslaw Jan Kowalski

Publication #03-005 \$79.95

Intended as an all-encompassing reference handbook and text, it provides assessment information for industrial hygiene and environmental health professionals on the best methods for the control of bioaerosols and some chemical agents in buildings including: homes, schools, hospitals, and offices. This text is original in its coverage of airborne pathogens, the mechanical systems used to control indoor air quality, indoor disease control, bioweapons, and mold contamination. Information on building and running systems impervious to bioweapons, and retrofitting existing heating and ventilation systems is also provided. Chapters in the book include:



- Biological Weapon Agents
- Chemical Weapon Agents
- Dose and Epidemiology of CBW Agents
- Dispersion and Delivery Systems
- Buildings and Attack Scenarios
- Ventilation Systems
- Air-Cleaning and Disinfection Systems
- Detection of CBW Agents
- Simulation of Building Attack Scenarios
- Immune Building Control Systems
- Decontamination and Remediation
- Security and Emergency Procedures
- Alternative Technologies
- Mailrooms and CBW Agents

ISBN: 978-0-07-140246-0. © 2003. 588 pages.

*“A very beneficial feature of the text is that it brings biological exposures to the attention of the IH or EH professional. This was important in the past; it is critical in the present!”*

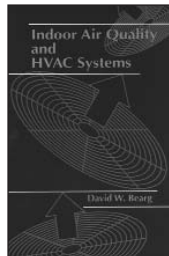
— Lawrence S. Betts, MD, PhD, CIH

## Indoor Air Quality and HVAC Systems

David W. Berg

Publication #9333 \$164.95

This text is a practical guide for understanding the relationship between the design, installation, operation, and maintenance of HVAC systems, and achieving IAQ. The components of HVAC systems and the role each plays in maintaining IAQ are described, and the techniques available for evaluating the performance characteristics of ventilation systems are identified. Other topics include the determination of pathways of air movement through buildings, understanding pressure relationships, ventilation effectiveness, and efficiency. The book concludes with an overview of sources of air contaminants.



ISBN: 978-0-87371-574-4. © 1993. 232 pages.

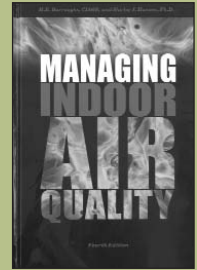
## NEW TITLE

### Managing Indoor Air Quality, Fourth Edition

H.E. Burroughs and Shirley J. Hansen

Publication # 08-012 \$99.95

Extensively updated to reflect the rapid growth in the indoor air quality (IAQ) industry, the fourth edition continues to address IAQ concerns found in many workplaces today including contaminants, thermal conditions, and other factors that contribute to, or detract from, worker comfort and a productive workplace.



*Managing Indoor Air Quality* is a good starting point for any personnel responsible for addressing indoor environmental concerns and offers a broad, non-technical approach to IAQ. Topics covered include:

- “Sick buildings” associated with increasing absenteeism and lower productivity
- Treating existing indoor air problems effectively and preventing costly IAQ problems
- Extensive IAQ history and new practical, pragmatic suggestions throughout its procedural guidelines

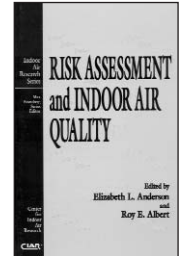
ISBN: 978-1-4200-7155-9. © 2008. 350 pages.

### Risk Assessment and Indoor Air Quality

Elizabeth L. Anderson and Roy E. Albert, Editors

Publication #99-026 \$104.95

*Risk Assessment and Indoor Air Quality* looks at the unique challenges of applying risk assessment to the study of indoor air pollutants, particularly the problem of long-term exposure to low-level concentration of toxins. Also addressed in this book are commonly found toxins, such as pesticides, and risks associated with exposure to indoor allergens and infectious disease pathogens. The book applies statistical methods of risk assessment to indoor air quality testing and assessment. Further, it demonstrates the role of dose response to the effects of indoor air pollution on human health, and describes exposure effects from multiple pollutants in assessing overall risk levels.



ISBN: 978-1-56670-323-9. © 1999. 267 pages.

## Sick Buildings: Definition, Diagnosis, and Mitigation

Thad Godish

Publication #9522 \$164.95

A comprehensive examination of the phenomenon of poor indoor air quality (IAQ), this book places significant emphasis on defining the nature of the problem, the various potential causal and risk factors, problem building diagnostic protocols and contaminant measurements, and the mitigation of IAQ problems. It also features a discussion on the potential causal factors studied extensively in Europe, and recognized in North America as well.

ISBN: 978-0- 87371-346-7. © 1995. 414 pages.



## Ventilation for Environmental Tobacco Smoke

Brian A. Rock

Publication #06-024 \$65.95

Written to educate companies about obstructed ventilation systems due to tobacco smoke within their facilities, this book addresses the odor and irritant properties associated with environmental tobacco smoke (ETS) and is a guide for the design of efficient ventilation systems and units for optimum air quality. The author draws on the general methods – source control, separation, local exhaust, dilution, and air cleaning – for contaminant control and applies them directly to ETS. ETS ventilation principles are applied to a wide variety of areas including offices, restaurants, bars, casinos, smoking lounges, prisons, hotels, apartments, and dormitories.

Ventilation rates, types of ventilation systems and configurations, and control methods for interfaces between smoking and non-smoking spaces are also covered.

ISBN: 978-0-12-370886-1. © 2006. 216 pages.



## PHYSICAL AGENTS



### Assessing EMF in the Workplace: A Guide for Industrial Hygienists

Robert M. Patterson, T. Dan Bracken and Jack Sahl  
Publication #9853 \$37.50

Industrial hygienists, health physicists, and other professionals will find this new guidebook a source of practical information for planning and monitoring EMF in the workplace. Based on the traditional investigation stages (anticipation, recognition, evaluation, and control), this book provides information on field characteristics, biological and health effects, workplace sources and exposures, instrumentation, monitoring guidance, developing a monitoring program, and field management. The guide also offers examples of EMF exposure assessment studies, references, and a glossary.

ISBN: 978-1-882417-28-5. © 1998. 88 pages.

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



### A Guide for Control of Laser Hazards, 4th Edition

Publication #0165 \$37

Health hazards common to all types of lasers are identified in this guide. Major topics include: Exposure Criteria for Laser Radiation; General Laser Hazard Evaluation; Medical Surveillance; Hazard Controls for Laser Radiation; Recognition of Associated Hazards; and Laser Protective Eyewear. The volume also presents the Threshold Limit Values for lasers and their documentation. A glossary of pertinent terms, and a list of references complete the guide.

ISBN: 978-0-936712-89-5. © 1990. 76 pages.

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

