

Appendix G: Resources

FEDERAL AGENCIES WITH MAJOR INDOOR AIR RESPONSIBILITY FOR PUBLIC AND COMMERCIAL BUILDINGS

U.S. Environmental Protection Agency

Conducts a non-regulatory indoor air quality program that emphasizes research, information dissemination, technical guidance, and training. Issues regulations and carries out other activities that affect indoor air quality under the laws for pesticides, toxic substances, and drinking water.

Public Information Center

(PM-211B)

401 M Street, SW

Washington, DC 20460

202-382-2080

Distributes indoor air quality publications.

National Pesticides Telecommunications

Network National toll-free number:

1-800-858-PEST

In Texas: 806-743-3091

Provides information on pesticides.

TSCA Hotline Service

202-554-1404

Provides information on asbestos and other toxic substances.

Occupational Safety and Health Administration

Promulgates safety and health standards, facilitates training and consultation, and enforces regulations to ensure that workers are provided with safe and healthful working conditions. (For further information contact OSHA Regional Offices.)

National Institute for Occupational Safety and Health

Conducts research, recommends standards to the U.S. Department of Labor, and conducts training on various issues including indoor air quality to promote safe and healthful workplaces. Undertakes investigations at request of employees, employers, other federal agencies, and state and local agencies to identify and mitigate workplace problems.

Requests for Field Investigations

NIOSH

Hazard Evaluations and Technical

Assistance Branch (R-9)

4676 Columbia Parkway

Cincinnati, OH 45226

513-841-4382

Requests for Information:

1-800-35-NIOSH

or 1-800-356-4674

EPA Regional Offices

Address inquiries to the contacts in the EPA Regional Offices at the following addresses:

(CT,ME,MA,NH,RI,VT)

EPA Region 1
John F. Kennedy Federal Building
Boston, MA 02203
617-565-3232 (indoor air)
617-565-4502 (radon)
617-565-3744 (asbestos)
617-565-3265 (NESHAP)

(NJ,NY,PR,VI)

EPA Region 2
26 Federal Plaza
New York, NY 10278
212-264-4410 (indoor air)
212-264-4410 (radon)
212-264-6671 (asbestos)
212-264-6770 (NESHAP)

(DE,DC,MD,PA,VA,WV)

EPA Region 3
841 Chestnut Building
Philadelphia, PA 19107
215-597-8322 (indoor air)
215-597-4084 (radon)
215-597-3160 (asbestos)
215-597-1970 (NESHAP)

(AL,FL,GA,KY,MS,NC,SC,TN)

EPA Region 4
345 Courtland Street, NE
Atlanta, GA 30365
404-347-2864 (indoor air)
404-347-3907 (radon)
404-347-5014 (asbestos)
404-347-5014 (NESHAP)

(IL,IN,MI,MN,OH,WI)

EPA Region 5
230 South Dearborn Street
Chicago, IL 60604
Region 5 Environmental Hotline:
1-800-572-2515 (IL)
1-800-621-8431 (IN, MI, MN, OH, WI)
312-886-7930 (outside Region 5)

(AR,LA,NM,OK,TX)

EPA Region 6
1445 Ross Avenue
Dallas, TX 75202-2733
214-655-7223 (indoor air)
214-655-7223 (radon)
214-655-7223 (asbestos)
214-655-7223 (NESHAP)

(IA,KS,MO,NE)

EPA Region 7
726 Minnesota Avenue
Kansas City, KS 66101
913-551-7020 (indoor air)
913-551-7020 (radon)
913-551-7020 (asbestos)
913-551-7020 (NESHAP)

(CO,MT,ND,SD,UT,WY)

EPA Region 8
999 18th Street Suite 500
Denver, CO 80202-2405
303-293-1440 (indoor air)
303-293-0988 (radon)
303-293-1442 (asbestos)
303-294-7611 (NESHAP)

(AZ,CA,HI,NV,AS,GU)

EPA Region 9
75 Hawthorne Street, A-1-1
San Francisco, CA 94105
415-744-1133 (indoor air)
415-744-1045 (radon)
415-744-1136 (asbestos)
415-744-1135 (NESHAP)

(AK,ID,OR,WA)

EPA Region 10
1200 Sixth Avenue
Seattle, WA 98101
206-553-2589 (indoor air)
206-553-7299 (radon)
206-553-4762 (asbestos)
206-553-1757 (NESHAP)

OSHA Regional Offices

(CT,ME,MA,NH,RI,VT)

OSHA Region 1
133 Portland Street, 1st Floor
Boston, MA 02114
617-565-7164

(NJ,NY,PR,VI)

OSHA Region 2
210 Varick Street, Room 670
New York, NY 10014
212-337-2376

(DE,DC,MD,PA,VA,WV)

OSHA Region 3
Gateway Building, Suite 2100
3535 Market Street
Philadelphia, PA 19104
215-596-1201

(AL,FL,GA,KY,MS,NC,SC,TN)

OSHA Region 4
1375 Peachtree Street, NE, Suite 587
Atlanta, GA 30367
404-347-3573

(IL,IN,MI,MN,OH,WI)

OSHA Region 5
230 South Dearborn Street, Room 3244
Chicago, IL 60604
312-353-2220

(AR,LA,NM,OK,TX)

OSHA Region 6
525 Griffin Street, Room 602
Dallas, TX 75202
214-767-4731

(IA,KS,MO,NE)

OSHA Region 7
911 Walnut Street, Room 406
Kansas City, MO 64106
816-426-5861

(CO,MT,ND,SD,UT,WY)

OSHA Region 8
Federal Building, Room 1576
1961 Stout Street
Denver, CO 80294
303-844-3061

(AZ,CA,HI,NV,AS,GU)

OSHA Region 9
71 Stevenson Street, 4th Floor
San Francisco, CA 94105
415-744-6570

(AK,ID,OR,WA)

OSHA Region 10
1111 Third Avenue, Suite 715
Seattle, WA 98101-3212
206-442-5930

OTHER FEDERAL AGENCIES WITH INDOOR AIR RESPONSIBILITIES

Bonneville Power Administration

P.O. Box 3621-RMRD

Portland, OR 97208

503-230-5475

Provides radon-resistant construction techniques, source control, and removal technology for indoor air pollutants.

Consumer Product Safety Commission

5401 Westbard Avenue

Bethesda, MD 20207

1-800-638-CPSC

Reviews complaints regarding the safety of consumer products and takes action to ensure product safety.

General Services Administration

18th and F Streets, NW

Washington, DC 20405

202-501-1464

Writes indoor air quality policy for Federal buildings. Provides proactive indoor air quality building assessments. Assesses complaints and provides remedial action.

U.S. Department of Energy

Office of Conservation and Renewable Energy

1000 Independence Avenue, SW, CE-43

Washington, DC 20585

202-586-9455

Quantifies the relationship among reduced infiltration, adequate ventilation, and acceptable indoor air quality.

U.S. Department of Health and Human Services

Office on Smoking and Health

National Center for Chronic Disease

Prevention and Health Promotion

Centers for Disease Control

1600 Clifton Road, NE

Mail Stop K50

Atlanta, GA 30333

404-488-5705

Disseminates information about the health effects of passive smoking and strategies for eliminating exposure to environmental tobacco smoke.

Tennessee Valley Authority

Occupational Hygiene Department

328 Multipurpose Building

Muscle Shoals, AL 35660

205-386-2314

Provides building surveys and assessments associated with employee indoor air quality complaints.

STATE AND LOCAL AGENCIES

Your questions and concerns about indoor air problems can frequently be answered most readily by the government agencies in your State or locality. Responsibilities for indoor air quality issues are usually divided among many different agencies. You will often find that calling or writing the agencies responsible for health or air quality control is the best way to start getting information from your State or local government. The EPA and Public Health Foundation publication, ***Directory of State Indoor Air Contacts***, lists State agency contacts. (See publications list for information on ordering this publication.)

PRIVATE SECTOR CONTACTS

The private sector organizations that have information for the public on indoor air quality issues in commercial and public buildings include the following:

Building Management Associations

Association of Physical Plant Administrators of Universities and Colleges

1446 Duke Street
Alexandria, VA 22314-3492
703-684-1446

Building Owners and Managers Association International

1201 New York Ave., NW, Suite 300
Washington, DC 20005
202-408-2684

Institute of Real Estate Management

430 North Michigan Avenue
Chicago, IL 60611
312-661-1930

International Council of Shopping Centers

1199 North Fairfax Street, Suite 204
Alexandria, VA 22314
703-549-7404

International Facilities Management Association

Summit Tower, Suite 1710
11 Greenway Plaza
Houston, TX 77046
713-623-4362

National Apartment Association

1111 14th Street, NW, Suite 900
Washington, DC 20005
202-842-4050

National Association of Industrial and Office Parks

1215 Jefferson Davis Highway, Suite 100
Arlington, VA 22202
703-979-3400

Professional and Standard Setting

Organizations

Air and Waste Management Association

P.O. Box 2861
Pittsburgh, PA 15230
412-232-3444

Air-Conditioning and Refrigeration Institute

1501 Wilson Blvd., Suite 600
Arlington, VA 22209
703-524-8800

American Conference of Governmental Industrial Hygienists

6500 Glenway Avenue, Building D-7
Cincinnati, OH 45211
513-661-7881

American Industrial Hygiene Association

P.O. Box 8390
345 White Pond Drive
Akron, OH 44320
216-873-2442

American Society for Testing and Materials

1916 Race Street
Philadelphia, PA 19103
215-299-5571

American Society of Heating, Refrigerating, and Air-Conditioning Engineers

1791 Tullie Circle, NE
Atlanta, GA 30329
404-636-8400

National Conference of States on Building Codes and Standards, Inc.

505 Huntmar Park Drive, Suite 210
Herndon, VA 22070
703-437-0100

Product Manufacturers

Adhesive and Sealant Council

1627 K Street, NW, Suite 1000
Washington, DC 20006-1707
202-452-1500

Asbestos Information Association

1745 Jefferson Davis Highway, Room 509
Arlington, VA 22202
703-979-1150

Business Council on Indoor Air Quality

1225 19th Street, Suite 300
Washington, DC 20036
(202) 775-5887

Carpet and Rug Institute

310 Holiday Avenue
Dalton, GA 30720
404-278-3176

Chemical Specialties Manufacturers Association

1913 I Street, NW
Washington, DC 20006
202-872-8110

Electric Power Research Institute

P.O. Box 10412
Palo Alto, CA 94303
415-855-2902

Formaldehyde Institute, Inc.

1330 Connecticut Avenue, NW
Washington, DC 20036
202-822-6757

Foundation of Wall and Ceiling Industries

1600 Cameron Street
Alexandria, VA 22314-2705
703-548-0374

Gas Research Institute

8600 West Bryn Mawr Avenue
Chicago, IL 60631
312-399-8304

National Paint and Coatings Association

1500 Rhode Island Avenue, NW
Washington, DC 20005
202-462-6272

Thermal Insulation Manufacturers Association Technical Services**Air Handling Committee**

1420 King Street
Alexandria, VA 22314
(703) 684-0474

Building Service Associations**Air-Conditioning and Refrigeration Institute**

1501 Wilson Boulevard, 6th floor
Arlington, VA 22209
703-524-8800

Air-Conditioning Contractors of America

1513 16th Street, NW
Washington DC 20036
202-483-9370

American Consulting Engineers Council

1015 15th Street, NW, Suite 802
Washington, DC 20005
202-347-7474

Associated Air Balance Council

1518 K Street, NW
Washington, DC 20005
202-737-0202

Association of Energy Engineers

4025 Pleasantdale Rd., Suite 420
Atlanta, GA 30340
404-447-5083

Association of Specialists in Cleaning and Restoration International

10830 Annapolis Junction Road, Suite 312
Annapolis Junction, MD 20701
301-604-4411

National Air Duct Cleaners Association

1518 K Street, NW, Suite 503
Washington, DC 20005
202-737-2926

National Association of Power Engineers

3436 Haines Way, Suite 101
Falls Church, VA 22041
703-845-7055

National Energy Management Institute

601 North Fairfax Street, Suite 160

Alexandria, VA 22314
703-739-7100

**National Environmental Balancing
Bureau**

1385 Piccard Drive
Rockville, MD 20850
301-977-3698

National Pest Control Association
8100 Oak Street
Dunn Loring, VA 22027
703-573-8330

**Sheet Metal and Air Conditioning
Contractors National Association**
4201 LaFayette Center Drive
Chantilly, VA 22021
703-803-2980

Unions

AFL-CIO
Department of Occupational Safety and
Health
815 16th Street, NW
Washington, DC 20006
202-637-5000

**American Federation of Government
Employees**
80 F Street, NW
Washington, DC 20001
202-737-8700

**American Federation of State, County,
and Municipal Employees**
1625 L Street, NW
Washington, DC 20036
(202) 429-1215

American Federation of Teachers
555 New Jersey Avenue, NW
Washington, DC 20001
202-879-4400

Communication Workers of America
501 3rd Street, NW
Washington, DC 20001
202-434-1160

International Union of Operating

Engineers
1125 17th Street, NW
Washington, DC 20036
202-429-9100

Service Employees International Union
1313 L Street, NW
Washington, DC 20005

**Environmental/Health/
Consumer Organizations**

**American Academy of Allergy and
Immunology**
611 East Wells Street
Milwaukee, WI 53202
414-272-6071

American Lung Association
or your local lung association
1740 Broadway
New York, NY 10019

Consumer Federation of America
1424 16th Street, NW, Suite 604
Washington, DC 20036

**National Center for Environmental
Health Strategies**
1100 Rural Avenue
Voorhees, NJ 08043
609-429-5358

**National Environmental Health
Association**
720 South Colorado Blvd.
South Tower, Suite 970
Denver, CO 80222
303-756-9090

**National Foundation for the Chemically
Hypersensitive**
P.O. Box 9
Wrightsville Beach, NC 28480
517-697-3989

Occupational Health Foundation
1126 16th Street, NW
Washington, DC 20036
202-842-7840

PUBLICATIONS

Items marked * are available from **EPA Public Information Center** (PM-211B), 401 M Street, SW, Washington, DC 20460. 202-382-2080.

Items marked ** are available from **TSCA Assistance Hotline** (TS-799), 401 M Street, SW, Washington, DC 20460. (202)554-1404.

Items marked*** are available from **NIOSH Publications Dissemination**, 4676 Columbia Parkway, Cincinnati, OH 45202. 513-533-8287.

General Information

Cone, James E. and Michael J. Hodgson, MD, MPH. ***Problem Buildings: Building-Associated Illness and the Sick Building Syndrome***. 1989. From the series "Occupational Medicine: State of the Art Reviews." Hanley & Belfus, Inc., 210 South 13th Street, Philadelphia, PA 19107.

Godish, Thad. ***Indoor Air Pollution Control***. 1989. Lewis Publishers, 121 South Main Street, Chelsea, MI 48118.

Rajhans, G.S., ***Report of the Inter-ministerial Committee on Indoor Air Quality***, 1988. Contact: G. Rajhans, Health and Safety Support Services Branch, Ministry of Labour, 400 University Avenue, 7th Floor, Toronto, Ontario, Canada M7A 1T7.

Sheet Metal and Air Conditioning Contractor's National Association, Inc. (SMACNA). ***Indoor Air Quality***. 1988. 8224 Old Courthouse Road, Vienna, Virginia 22180.

U.S. Environmental Protection Agency and the Public Health Foundation. ***Directory of State Indoor Air Contacts***. Updated, 1991. *

U.S. Environmental Protection Agency.

Designing for Good Indoor Air Quality: An Introduction for Design Professionals. (In progress).

U.S. Environmental Protection Agency. ***Project Summaries: Indoor Air Quality in Public Buildings***. 1988. *Contains findings of research on IAQ in 10 new public and commercial buildings and on building material emissions.**

U.S. Environmental Protection Agency and the U.S. Consumer Product Safety Commission. ***The Inside Story: A Guide to Indoor Air Quality***. 1988. *Addresses residential indoor air quality primarily, but contains a section on offices.**

U.S. Environmental Protection Agency. ***Sick Building Syndrome***. Indoor Air Quality Fact Sheet #4. Revised, 1991.*

U.S. Environmental Protection Agency. ***Ventilation and Air Quality in Offices***. Indoor Air Quality Fact Sheet #3. Revised, 1990.*

World Health Organization. ***Air Quality Guidelines for Europe***. 1987. WHO Regional Publications, European Series No. 23. Available from WHO Publications Center USA, 49 Sheridan Avenue, Albany, NY 12210.

Asbestos

Keyes, Dale L. and Jean Chesson. ***A Guide to Monitoring Airborne Asbestos in Buildings***. 1989. Environmental Sciences, Inc., 105 E. Speedway Blvd., Tucson, Arizona 85705.

U.S. Department of Health and Human Services, Public Health Service, U.S. Centers for Disease Control, National Institute of Occupational Safety and Health. ***Testimony of NIOSH on the Occupational Safety and Health Administration's Proposed Rule on Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite***. June 1984, May 1990, and January 1991. NIOSH Docket Office, C-34, 4676 Colum-

bia Parkway, Cincinnati, OH 45226.

U.S. Environmental Protection Agency. **A Guide to Respiratory Protection for the Asbestos Abatement Industry.** 1986. EPA 560/OTS 86-001. **

U.S. Environmental Protection Agency. **Abatement of Asbestos-Containing Pipe Insulation.** 1986. Technical Bulletin No. 1986-2. **

U.S. Environmental Protection Agency. **Asbestos Abatement Projects: Worker Protection.** Final Rule 40 CFR. 763. February 1987. **

U.S. Environmental Protection Agency. **Asbestos Ban and Phaseout Rule.** 40 CFR 763.160 to 763.179. Federal Register, July 12, 1989. **

U.S. Environmental Protection Agency. **Asbestos in Buildings: Guidance for Service and Maintenance Personnel** (in English and Spanish). 1985. EPA 560/5-85-018. ("Custodial Pamphlet"). **

U.S. Environmental Protection Agency. **Asbestos in Buildings: Simplified Sampling Scheme for Surfacing Materials.** 1985. 560/5-85-030A. ("Pink Book"). **

U.S. Environmental Protection Agency. **Guidance for Controlling Asbestos-Containing Materials in Buildings.** 1985. EPA 560/5-85-024. ("Purple Book"). **

U.S. Environmental Protection Agency. **Guidelines for Conducting the AHERA TEM Clearance Test to Determine Completion of an Asbestos Abatement Project,** EPA 560/5-89-001. **

U.S. Environmental Protection Agency. **Managing Asbestos In Place: A Building Owner's Guide to Operations and Maintenance Programs for Asbestos-Containing Materials,** 1990. ("Green Book").**

U.S. Environmental Protection Agency. **Measuring Airborne Asbestos Following An Abatement Action.** 1985. EPA 600/4-85-049. ("Silver Book"). **

U.S. Environmental Protection Agency. **National Emission Standards for Hazardous Air Pollutants.** 40 Code of Federal Regulation 61. April 1984. **

U.S. Environmental Protection Agency. **Transmission Electron Microscopy Asbestos Laboratories: Quality Assurance Guidelines.** 1989. EPA 560/5-90-002.**

U.S. Department of Labor. OSHA Regulations. 29 Code of Federal Regulation 1910.1001. **General Industry Asbestos Standard** . 29 Code of Federal Regulation 1926.58. **Construction Industry Asbestos Standard.** June 1986; Amended September 1988. DOL-OSHA Docket, 200 Constitution Avenue, NW, Room N 2625, Washington, DC 20210

U.S. Department of Labor. OSHA Regulations. 29 Code of Federal Regulation 1910.134 **Respiratory Protection Standard.** June 1974. DOL-OSHA Docket, 200 Constitution Avenue, NW, Room N 2625, Washington, DC 20210

Biologicals

American Council of Governmental Industrial Hygienists. **Guidelines for the Assessment of Bioaerosols in the Indoor Environment.** 1989. 6500 Glenway Avenue, Building D-7, Cincinnati, OH 45211.

Morey, P., J. Feeley, and J. Otten. **Biological Contaminants in Indoor Environments.** 1990. American Society for Testing and Materials Publications, 1916 Race Street, Philadelphia, PA 19103.

Building Management, Investigation, and Remediation

Bazerghi, Hani and Catherine Arnoult. **Practical Manual for Good Indoor Air Quality.** 1989. Quebec Association for Energy Management. 1259 Berri Street, Suite 510, Montreal, Quebec, Canada, H2L 4C7.

Hansen, Shirley J., **Managing Indoor Air Quality.** 1991. Fairmont Press, 700 Indian

Trail, Lilburn, GA 30247.

U.S. Department of Health and Human Services. Public Health Service. Centers for Disease Control. National Institute for Occupational Safety and Health. ***Indoor Air Quality: Selected References.*** 1989.***

U.S. Department of Health and Human Services. Public Health Service. Centers for Disease Control. National Institute for Occupational Safety and Health. ***Guidance for Indoor Air Quality Investigations.*** 1987.***

Weekes, Donald M. and Richard B. Gammage. ***The Practitioner's Approach to Indoor Air Quality Investigations.*** Proceedings of the Indoor Air Quality International Symposium. 1989. American Industrial Hygiene Association, P.O. Box 8390, Akron Ohio 44320.

Environmental Tobacco Smoke

National Research Council. ***Environmental Tobacco Smoke: Measuring Exposures and Assessing Health Effects.*** 1986. National Academy Press. 2001 Wisconsin Avenue, NW, Washington, DC 20418.

U.S. Department of Health and Human Services. Public Health Service. Office on Smoking and Health. ***The Health Consequences of Involuntary Smoking, A Report of the Surgeon General.*** 1986. 1600 Clifton Road, NE (Mail Stop K50) Atlanta, GA 30333.

U.S. Department of Health and Human Services, Public Health Service. Centers for Disease Control, National Institute for Occupational Safety and Health. ***Current Intelligence Bulletin 54: Environmental Tobacco Smoke in the Workplace—Lung Cancer and Other Health Effects.*** DHHS (NIOSH) Publication No. 91-108. 1991.***

U.S. Department of Health and Human Services, National Cancer Institute.

Office of Cancer Communications. ***A series of one-page information sheets on all aspects of smoking in the workplace.*** For copies, call 1-800-4-CANCER.

U.S. Environmental Protection Agency. ***Environmental Tobacco Smoke.*** Indoor Air Quality Fact Sheet #5. 1989.*

U.S. Environmental Protection Agency. ***Environmental Tobacco Smoke: A Guide to the Development of Effective Smoking Policies.*** (In progress.) *

U.S. Environmental Protection Agency. ***Health Effects of Passive Smoking: Assessment of Lung Cancer in Adults and Respiratory Disorders in Children.*** (In progress.) *

PCBs

U.S. Department of Health And Human Services. Public Health Service. Centers for Disease Control.. National Institute of Occupational Safety and Health. ***Current Intelligence Bulletin 45: Polychlorinated Biphenyls—Potential Health Hazards from Electrical Equipment Fires or Failures .*** DHHS (NIOSH) Publication No. 86-111. 1977. Available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.

U.S. Department of Health and Human Services. Public Health Service. Centers for Disease Control. National Institute for Occupational Safety and Health. ***A Recommended Standard for Occupational Exposure to Polychlorinated Biphenyls*** DHHS (NIOSH) Publication No. 77-225. 1977. Available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.

U.S. Environmental Protection Agency. ***Transformers and the Risk of Fire: A Guide for Building Owners.*** 1986. OPA/86-001. **

Radon

U.S. Environmental Protection Agency.

State Proficiency Report. 1991. EPA 520/1-94-014. Available from State radon offices. *List of laboratories that have demonstrated competence in radon measurement analysis.*

Standards and Guidelines

American Conference of Government Industrial Hygienists. ***Threshold Limit Values and Biological Exposure Indices.*** 1990-1991. 6500 Glenway Avenue, Building D-7, Cincinnati, OH 45211.

U.S. Department of Health and Human Services. Public Health Service. Centers for Disease Control. National Institute for Occupational Safety and Health. ***NIOSH Recommendations for Occupational Safety and Health. Compendium of Policy Documents and Statements.*** DHHS (NIOSH) Publications 91-109. 1991.***

U.S. Department of Labor. OSHA Regulations. 29 CFR Part 1910.1000. ***OSHA Standards for Air Contaminants.*** Available from the U.S. Government Printing Office, Washington, DC 20402. 202-783-3238. *Additional health standards for some specific air contaminants are also available in Subpart Z.*

Ventilation/Thermal Comfort

Brief descriptions of the ASHRAE standards listed below are included in *Appendix B*. ASHRAE materials are available from their Publication Sales Department, 1791 Tullie Circle, NE, Atlanta, GA 30329. 404-636-8400.

ASHRAE Guideline 1-1989. *Guideline for the Commissioning of HVAC Systems.* 1989.

ASHRAE Journal. *October 1989 issue.* Several articles describing ASHRAE Standard 62-1989.

ASHRAE Standard 52-76. *Method of Testing Air-Cleaning Devices Used in General Ventilation for Removing*

Particulate Matter. 1976.

ASHRAE Standard 55-1981. *Thermal Environmental Conditions for Human Occupancy.* 1981.

ASHRAE Standard 62-1989. *Ventilation for Acceptable Indoor Air Quality.* 1989.

National Conference of States on Building Codes and Standards, Inc. ***The Ventilation Directory.*** 505 Huntmar Park Drive, Suite 210, Herndon, VA 22070. 703-481-2020. *Summarizes natural, mechanical, and exhaust ventilation requirements of the model codes, ASHRAE standards, and unique State codes.*

TRAINING

American Industrial Hygiene Association (AIHA). P.O. Box 8390, 345 White Pond Drive, Akron, OH 44320. 216-873-2442. *Sponsors indoor air quality courses in conjunction with meetings for AIHA members only.*

American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE). 1791 Tullie Circle NE, Atlanta, GA 30329. 404-636-8400. *Sponsors professional development seminars on indoor air quality.*

NIOSH Division of Training and Manpower Development and NIOSH-funded Educational Resource Centers. 4676 Columbia Parkway, Cincinnati, OH 45226. 513-8221. *Provide training to occupational safety and health professionals and paraprofessionals.*

OSHA Training Institute. 155 Times Drive, Des Plaines, IL 60018. 708-297-4913. *Provides courses to assist health and safety professionals in evaluating indoor air quality.*