



**Environmental  
Education  
Foundation**

EPA/EEF Advisory Group Directory

**Contract 4W-2121-NANX**

Task #1 I-BEAM's IAQ Management Program

**EMSL Analytical, Inc.**  
Quality Laboratory Services Since 1981



**NIAQI** The National Indoor Air Quality Institute



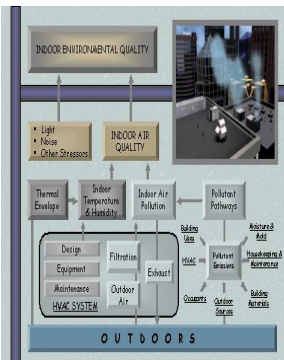
**ARCS**  
COMMERCIAL MORTGAGE CO., L.P.



**theHVACSource.com** **BOMA.org**  
INTERNATIONAL



*"A coalition of the major players in the building design/construction, property management, insurance and financial industries...consensus guidance for managing indoor environmental risks".*



**MUSC**  
MEDICAL UNIVERSITY OF SOUTH CAROLINA



**tradewinds**  
response remediation restoration

**RUTHERFORD**  
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**FAULKNER & FLYNN**  
ENVIRONMENTAL MANAGEMENT CONSULTANTS

**InterFOM**  
Interactive Facilities & Operations Management

**PNC MULTIFAMILY CAPITAL**  
A Division of PNC Real Estate Finance

**HIXSON**  
ARCHITECTURE • ENGINEERING • INTERIORS

**EHMI**

Dedicated to the Understanding, Enhancement, and Preservation of the Natural Environment

<b>Account Name</b>	<b>Web Page</b>
Air Movement and Control Association International, Inc.	<a href="http://www.amca.org">http://www.amca.org</a>
American Association of Community Colleges	<a href="http://www.capecod.edu">http://www.capecod.edu</a>
American Bakers Association	<a href="http://www.americanbakers.org">http://www.americanbakers.org</a>
ARCS Commercial Mortgage Co. L.P.	<a href="http://www.arcscommercial.com">http://www.arcscommercial.com</a>
Association of School Business Officials International	<a href="http://www.asbointl.org">http://www.asbointl.org</a>
Building Owners & Managers Associaton International	<a href="http://www.boma.org">http://www.boma.org</a>
Cape Cod Community College	
Cleaning Management Institute	<a href="http://www.cleaning-institute.com">http://www.cleaning-institute.com</a>
Corporate Realty, Design & Management Institute	<a href="http://www.squarefootage.com">http://www.squarefootage.com</a>
Diversified Services Ltd.	<a href="http://www.mrlm.com">http://www.mrlm.com</a>
EMSL Analytical	<a href="http://www.emsl.com">http://www.emsl.com</a>
Environmental Education Foundation (EEF)	<a href="http://www.enviro-ed.org">http://www.enviro-ed.org</a>
Environmental Hazards Management Institute (EHMI)	<a href="http://www.ehmi.org">http://www.ehmi.org</a>
Environmental Monitoring Systems, Inc.	<a href="http://www.emssales.net">http://www.emssales.net</a>
Environmental Risk Resource Association (ERRA)	<a href="http://www.erraonline.org">http://www.erraonline.org</a>
E-Wire	<a href="http://www.ewire.com">http://www.ewire.com</a>
Faulkner & Flynn	<a href="http://www.faulknerflynn.com">http://www.faulknerflynn.com</a>
FMLink.com	<a href="http://www.fmlink.com">http://www.fmlink.com</a>
Hellmuth, Obata + Kassabaum, Inc.	<a href="http://www.hok.com">http://www.hok.com</a>
Hixson Architects/Engineers	<a href="http://www.hixson-inc.com">http://www.hixson-inc.com</a>
HUD-Healthy Home Division	<a href="http://www.hud.gov">http://www.hud.gov</a>
InterFOM.com	<a href="http://www.interFom.com">http://www.interFom.com</a>
International Custodial Advisors Network, Inc. (ICAN)	<a href="http://www.custodialadvisorsnetwork.org">http://www.custodialadvisorsnetwork.org</a>
IPM Institute of North America, Inc.	<a href="http://www.ipminstitute.org">http://www.ipminstitute.org</a>
IQAir	<a href="http://www.iqair.com">http://www.iqair.com</a>
Leviticus Corporation	<a href="http://www.liviticuscorp.com">http://www.liviticuscorp.com</a>
Medical University of South Carolina	
National Affordable Housing Management Association	<a href="http://www.nahma.org">http://www.nahma.org</a>
National Air Duct Cleaners Association (NADCA)	<a href="http://www.nadca.com">http://www.nadca.com</a>
National Association of Certified Home Inspectors (NACHI)	<a href="http://www.nachi.org">http://www.nachi.org</a>
Partnership for Environmental Technology Education (PETE)	
PNC Multi-family Capital	<a href="http://www.pnc.com">http://www.pnc.com</a>
The National Indoor Air Quality Institute, LLC	<a href="http://www.niaqi.com">http://www.niaqi.com</a>
TheHVACSource.com	<a href="http://www.TheHVACSource.com">http://www.TheHVACSource.com</a>
Thomas Rutherford Inc.	<a href="http://www.rutherford.com">http://www.rutherford.com</a>
Trade-Winds Environmental Restoration, Inc.	<a href="http://w">http://w</a>
Versar, Inc.	
XL Environmental	<a href="http://www.xlenvironmental.com">http://www.xlenvironmental.com</a>

# Advisory Group Members

## A

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### American Association of Community Colleges

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### American Bakers Association

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**Web site:** <http://www.americanbakers.org>

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### ARCS Commercial Mortgage Co. L.P.

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**Web site:** <http://www.arcscommercial.com>      United States of America

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<b>Web site:</b>	<a href="http://www.asbointl.org">http://www.asbointl.org</a>		United States of America		

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<b>Web site:</b>			United States of America		

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<b>Web site:</b>	<a href="http://www.cleaning-institute.co">http://www.cleaning-institute.co</a>		Bloomington, IL 61704		
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**Status:** Current  
**State:** Active  
**Rating:**

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**Web site:** <http://www.mrlm.com>      America

**Status:** Current  
**State:** Active  
**Rating:**

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**Status:** Current  
**State:** Active  
**Rating:**

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## Environmental Education Foundation (EEF)

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**Status:** Current  
**State:** Active  
**Rating:**

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## Environmental Hazards Management Institute (EHMI)

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<b>Fax:</b>	(603) 868-1547			<b>Rating:</b>	
<b>Web site:</b>	http://www.ehmi.org				

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<b>Fax:</b>	(866) 724-5702			<b>Rating:</b>	
<b>Web site:</b>	http://www.emssales.net				

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Jordan, Marilyn	(800) 293-3003	(866) 724-5702	marilyn@emssales.net

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<b>Fax:</b>	(608) 798-1013			<b>Rating:</b>	
<b>Web site:</b>	http://www.erraonline.org				

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## E-Wire

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<b>Fax:</b>	(212) 279-4290			<b>Rating:</b>	
<b>Web site:</b>	http://www.ewire.com				

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## F

## F

## Faulkner &amp; Flynn

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<b>Fax:</b>	(540) 985-9538			<b>Rating:</b>	
<b>Web site:</b>	http://www.faulknerflynn.com				

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<b>Fax:</b>				<b>Rating:</b>	
<b>Web site:</b>	http://www.fmlink.com				

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## H

## Hellmuth, Obata + Kassabaum, Inc.

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<b>Business Phone:</b>	(314) 754-4245			<b>State:</b>	Active
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Mary Ann Lazarus	(314) 754-4245	(314) 421-6073	

## Hixson Architects/Engineers

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<b>Business Phone:</b>	(513) 241-1230 x616			<b>State:</b>	Active
<b>Fax:</b>	(513) 241-1287			<b>Rating:</b>	
<b>Web site:</b>	http://www.hixson-inc.com				

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## H

## HUD-Healthy Home Division

<b>Primary Contact:</b>	Williams, Emily E.	<b>Address:</b>	US Dept. of Housing & Urban Development Ashville Building Suite 500 1500 Pincroft Road Greensboro, NC 27407 United States of America	<b>Status:</b>	Current
<b>Business Phone:</b>	(336) 288-4786			<b>State:</b>	Active
<b>Fax:</b>				<b>Rating:</b>	
<b>Web site:</b>	<a href="http://www.hud.gov">http://www.hud.gov</a>				

Contact Name	Phone	Fax	E-mail
Williams, Emily E.	(336) 547-4002 ext 2067		<a href="mailto:emily_e._williams@hud.gov">emily_e._williams@hud.gov</a>

## I

## InterFOM.com

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<b>Business Phone:</b>	(646) 435-4457			<b>State:</b>	Active
<b>Fax:</b>	(646) 435-8959			<b>Rating:</b>	
<b>Web site:</b>	<a href="http://www.interFom.com">http://www.interFom.com</a>				

Contact Name	Phone	Fax	E-mail
Guerrero, Anthony			

## International Custodial Advisors Network, Inc. (ICAN)

<b>Primary Contact:</b>	Rathey, Allen P.	<b>Address:</b>	13998 West Hartford Drive Boise, ID 83713 United States of America	<b>Status:</b>	Current
<b>Business Phone:</b>	(208) 938-9340			<b>State:</b>	Active
<b>Fax:</b>	(208) 938-3138			<b>Rating:</b>	
<b>Web site:</b>	<a href="http://www.custodialadvisorsnet">http://www.custodialadvisorsnet</a>				

Contact Name	Phone	Fax	E-mail
Rathey, Allen P.	(208) 938-9340	(208) 938-3138	<a href="mailto:arathey@custodialadvisorsnetwork.org">arathey@custodialadvisorsnetwork.org</a>

## IPM Institute of North America, Inc.

<b>Primary Contact:</b>	Green, Thomas A.	<b>Address:</b>	1914 Rowley Avenue Madison, WI 53726 United States of America	<b>Status:</b>	Current
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<b>Web site:</b>	<a href="http://www.ipminstitute.org">http://www.ipminstitute.org</a>				

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Green, Dr. Thomas A. Ph. D.	(608) 232-1528	(608) 232-1530	<a href="mailto:ipminstitute@ipminstitute.org">ipminstitute@ipminstitute.org</a>

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## IQAir

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## Leviticus Corporation

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## M

## Medical University of South Carolina

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## National Affordable Housing Management Association

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## N

## National Air Duct Cleaners Association (NADCA)

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## P

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## T

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## The National Indoor Air Quality Institute, LLC

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<b>Web site:</b>	<a href="http://www.niaqi.com">http://www.niaqi.com</a>		United States of America		

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## TheHVACSource.com

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## Trade-Winds Environmental Restoration, Inc.

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## Versar, Inc.

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**XL Environmental**

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# American Bakers Association (ABA)



American Bakers Association (ABA)  
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Anne Giesecke Ph.D. Vice President of ABA's Policy Analysis & Environmental Activities

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## Company Biography:

The goal of the Energy and Environmental Health Committee of the American Bakers Association is to analyze and control legislative and regulatory initiatives effecting the operation of bakeries. Where appropriate, the Committee works on the state level to influence policy, legislation, regulation and implementation of programs which will affect the use of land, air and water by the bakeries. The Committee monitors trends in Europe and participates in major policy discussions such as the development of the International Standards Organization (ISO) 14,000 Environmental Management Plans.

The Committee tries to find practical solutions for a variety of operating challenges. For example, environmental audits are an important subject for the function of a bakery. The Committee's ABA Environmental Quality Management (EQM) computer software program provides a structure that can be critical in keeping a bakery in compliance with a myriad of laws and regulations. (for more information click on Publications and Services)

Other broad issues include, risk management plans, toxic release inventory reporting and other Emergency Planning and Community Right to Know Act requirements, and US Environmental Protection Agency (EPA) High Production Volume chemicals.

The Clean Air Act has had a significant impact on bakeries. The reporting and control of air emissions, volatile organic compounds, nitrogen oxides, refrigerants, and ozone has been costly for the industry. The ABA worked with the EPA in 1992 to produce an Alternative Control Technology document which is still a standard for the industry, and which has saved time for regulators and stack testing money for the bakers. (for more information click on Publications and Services)

In an effort to find alternatives to catalytic oxidation for the control of bakery air emissions, the Committee has worked with a variety of vendors. One recent pilot study resulted in a trickling biofilter report, click on Publications and Services for more information.

Although climate change issues do not now directly impact the baking industry, carbon dioxide does relate to fuel use and the Committee is monitoring the evolution of the system. Clean Air Act requirements for fleets and other fleet issues such as underground storage tanks are followed by both this Committee and the Fleet and Distribution Committee

## **American Bakers Association (ABA)**

The Committee also cooperates with other ABA committees on subjects such as confined space, sanitation and food safety issues such as cross contamination and allergens. The goal is to use the ABA and corporate resources with the greatest efficiency.

Now, the most serious cost increases of Committee interest are in water use, discharge and drinking water. ABA held a seminar in June 1999 to address best practices, flow metering, treatment of waste water and strategies for cost control. This valuable technical seminar got outstanding reviews.

Superfund, municipal solid waste and brownfield issues, concerning liability for waste disposal and the clean up of land have been important lobbying efforts.

The energy side of the Committee work has been related to the deregulation of the gas and electric industries. Energy reliability and cost have been the focus.

The Energy and Environmental Health Committee meets three times a year with one of those meetings at a bakery. A monthly mailing to the Committee members keeps everyone current on the latest regulations and compliance costs.

### **Personal Biography:**

# **Air Movement and Control Association International, Inc.**

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Barbara Morrison-Executive Director

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## **Company Biography:**

The Air Movement and Control Association International, Inc. is a not-for-profit international association of the world's manufacturers of related air system equipment - primarily, but not limited to: fans, louvers, dampers, air curtains, airflow measurement stations, acoustic attenuators, and other air system components for the industrial, commercial and residential markets.

## **Personal Biography:**



# ARCS Commercial Mortgage Co. L.P.



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## **Company Biography:**

ARCS Commercial Mortgage Co., L.P. is the #1 multifamily lender in America. The company was created in 1995, but the name ARCS has been an important part of America's mortgage banking community for almost 30 years.

The founder and CEO of ARCS mortgage Inc. Howard J. Levine, and a group of investors with strong experience in real estate finance, development, and property management purchased the commercial mortgage division of ARCS from The Bank of New York Company, Inc. The new company, more efficient, more flexible, and more focused was designed to meet the needs of the emerging commercial real estate market for the year 2000 and beyond.

The company has expanded rapidly and now has fifteen branches across the nation, with five district divisions to serve the specialized needs of borrowers: multifamily and co-op buildings, affordable housing, smaller properties, FHA, capital markets and the full range of investment properties including office buildings, shopping centers, industrial parks, and hotels. The staff of over 170 consists of dedicated professionals with strong experience in their respective areas, and a powerful commitment to the corporate mission: to be the most innovative, the most forward thinking mortgage banking company in America; to find the creative solutions.

ARCS currently services a portfolio of \$12,426,849,512 for properties in 38 states across the country. Loan origination volume has grown each year since 1995. In year 2002 ARCS closed \$2.3 billion. ARCS is the #1 FNMA DUS lender for 2003 and has been the #1 Fannie Mae Dus Multifamily loan originator in America for 6 of the last 7 years. The company is also active as an FHA, conduit, bridge and mezzanine lender.

While the company has risen rapidly, the goal was never size, but extraordinary service. Our expertise, financial strength, and commitment to creative solutions

## **ARCS Commercial Mortgage Co. L.P.**

is what contributes to our growth. You can rely on us to underpromise and overdeliver.

### **Personal Biography:**

Thom Cooley has over twenty-five years of experience in commercial development. After working as an engineering technician with Law Engineering and Testing Co., he managed the Austin, Texas branch of Maxim Engineers, Inc., a geotechnical, engineering, materials testing and environmental firm.

For the past seventeen years, he has been working primarily in the affordable housing area, first with the U.S. Department of Housing and Urban Development, then with Prudential Huntoon Paige, and now as chief FHA multifamily underwriter at ARCS Commercial Mortgage. He is a certified general appraiser and a MAP-approved Section 232 underwriter. Thom is pursuing both his Juris Doctor at Georgia State University College of Law and a Master of Public Administration under arrangement with the Andrew Young School of Policy Studies. He belongs to the American Bar Association section on Real Property, Probate and Trust and the ABA Forum on Affordable Housing and Community Development.

## American Risk Management Resources Network, LLC (ARMR)



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### **Company Biography:**

The American Risk Management Resources Network, LLC is a specialty environmental insurance wholesale brokerage firm which was formed by a group of senior environmental insurance specialists. The firm has offices in New York, Chicago, Los Angeles and Madison, Wisconsin.

The firm was founded by David J. Dybdahl, CPCU, ARM, MBA, a twenty four year veteran of the environmental insurance industry and former global practice manager of the Willis Environmental Practice. The principals of the new firm all have more than ten years of environmental insurance experience and advanced specialized degrees in environmental studies and insurance.

According to David Dybdahl, "Our vision is to provide a higher degree of specialized expertise to independent agents and brokers than the big four brokers provide to their employees and clients through their multi-million dollar environmental practices. In our business model independent agents will have access to a higher level of specialized environmental expertise provided by the big four brokerage houses, without the multi-million dollar investment. Our senior brokers came from the environmental practices of three of these brokers, so we have a unique understanding of what works and what doesn't in an environmental practice. We have taken the best ideas and incorporated them into a wholesale insurance broker platform. The vast majority of insurance agents and brokers are not able to afford the significant threshold investment required to field a truly world class environmental team. Twenty years of history in environmental insurance proves that without access to highly specialized resource expertise, insurance agencies are not able to tap into the production opportunities they have in this area. We take away any downside business risk from investing in environmental resources and help the agency serve their clients

## **American Risk Management Resources Network,LLC (ARMR)**

better, all while building a book of exceptionally profitable environmental insurance business."

In addition to making optimal insurance placements on the simplest to the most complex environmental risks in the world, ARMR.Net offers unique services, capabilities and products. "Our brokers have handled some of the most complex and innovative environmental insurance transactions ever completed including insuring the remediation of nuclear bomb plants and the merger of Fortune 500 companies. We are pioneers in bringing affordable mold insurance products to the market place for new habitational construction projects and restoration contractors. On the other end of the complexity spectrum we have an underground storage tank program where the average premium is less than \$500 per tank. It is very unusual to find a wholesaler with extensive experience at both ends of the spectrum and everything in between." according to Dybdahl.

To help agents feel more comfortable working in the coverage line ARMR.Net offers continuing education credit approved seminars and training for agency staff. Environmental risk management and insurance is an intimidating subject even to very experienced agents and brokers. This fear is well justified when it is considered that there are over one hundred non-standardized environmental policy forms available and even more customized endorsements on the market. Environmental insurance is easily one of the most hazardous lines of insurance agents can deal with from an E&O perspective. For example one popular environmental insurance policy has ten different insuring agreements. Superimpose the separate insuring agreements with their reference to environmental laws and the complexity of the coverage line starts to become apparent. The environmental laws in the US are longer than the tax code.

Three of the principals in ARMR.Net are professional adult educators. ARMR.Net staff are contributing authors of the CPCU and ARM texts on environmental risk management and insurance and are contributing authors to the new Independent Insurance Agent and Brokers course on Pollution and Mold Professional Liability Loss prevention. "We are uniquely qualified in the wholesale market as experts in the subject matter. Through this knowledge and experience we are able to make the agents more comfortable with working in this complex line of coverage," according to Dybdahl.

"Our business model basically outsources the "environmental practice" without any investment by the agency. As a technical resource, along with our broker partners, we can get involved much more closely with the clients than traditional wholesalers do. Once the agents realize we can be a valuable part of the customer service team they invite us to work with their clients. Combining local service with the capabilities of technical experts in the subject matter is the only operating model that has ever produced significant amounts of environmental insurance for an agency. We have built a world-class resource for those services and capabilities within a wholesale platform, " according to Dybdahl.

## **American Risk Management Resources Network,LLC (ARMR)**

ARMR.Net also has developed unique insurance products, in addition to offering the traditional products available in the environmental marketplace. ARMR.Net invested over three years to research and develop a proprietary building science based engineering capability that allows ARMR.Net to provide environmental insurance covering mold on new commercial habitational construction with more than \$25,000,000 in policy limits and 10 year plus policy terms. "We also developed a package insurance program for restoration contractors that is the best solution in the marketplace for their liability insurance needs. We researched the marketplace and have introduced what we believe to be unique insurance innovations." Dybdahl said.

Insurance agents and brokers need access to the capabilities and services offered by specialized environmental resources. Mold combined with water damage frequency and toxic torts and brought that concoction to the middle market and the insurance agents that serve that market. New mold and pollution related claims exclusions on insurance agents' professional liability policies will force a higher standard of care on the part of insurance agents. ARMR.Net was created specifically to support and enhance the capabilities of this sector.

ARMR.Net has offices in New York, Chicago, Los Angeles and Madison, Wisconsin. We are able to find the best underwriter in the best insurance company no matter where they are located. If a California based account needs to access the New York underwriting market we can get it there. The network also allows us to work in the proper time zone with our retailers and get closer to the customers if they need help.

### **Personal Biography:**

# Association of School Business Officials International (ASBO)



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## **Company Biography:**

ASBO International® is a professional association which provides programs and services to promote the highest standards of school business management practices, professional growth, and the effective use of educational resources.

### **Influence**

The public, legislatures, regulatory agencies, and other education organizations look to ASBO International for expertise and a better understanding of the business side of schools. Many of our programs, like the [Meritorious Budget Awards](#) and the [Certificate of Excellence in Financial Reporting](#), are changing the ways schools do business. Through its 14 [Professional Committees](#) that cover everything from Accounting to Food Service and Transportation, ASBO International offers every school business official an opportunity to [get involved](#), [voice their opinions](#), and have an impact on the profession.

### **Solutions**

Resources and networking are keys to achievement. ASBO International members and staff are constantly working to amass the latest information and create networking environments to assist school business officials. ASBO members receive a [20% discount on more than 30 different publications](#). Our "[Members Only](#)" area of the Web site allows instant networking through topical bulletin boards, news updates, and a searchable online membership directory. Members also have access to [discount car rentals](#), a [low interest rate credit card](#), and inexpensive [insurance programs](#).

## **Who are ASBO's Members?**

ASBO International represents around 6,000 school business officials employed in public and private school entities, as well as community and junior colleges

## Association of School Business Officials International (ASBO)

and state departments of education. Members include non-instructional employees at the local, state and national levels from specialized areas in school business management, as well as the generalized field of school business administration.

### **What is ASBO's Mission?**

The Association of School Business Officials International is a professional association which provides programs and services to promote the highest standards of school business management practices and professional growth, and the effective use of educational resources.

### **What are ASBO's Goals?**

The primary goals of ASBO International are to enhance the profession of school business management, to improve the performance of the public and private school districts in which they work, and to assist these administrators and their districts to deal effectively with the changing environment in which schools operate.

Another goal of the Association is to provide a forum for the exchange of information and ideas among professionals. An important objective is to keep legislative bodies, governmental agencies and other members of the educational community informed of the Association's position on key issues relating to the administration of the educational enterprise.

### **Personal Biography:**

Daniel Moberly

Resident Practitioner for Indoor Air Quality

**Daniel Moberly** served as Assistant Superintendent for Business Services for the Kent School District in Kent, Washington, for nine years before coming to ASBO International in July 2004 as the Resident Practitioner for Indoor Air Quality through a grant from the U.S. Environmental Protection Agency (EPA). The Resident Practitioner will work closely with ASBO International members and affiliates nationwide regarding issues of Indoor Air Quality (IAQ).



**Dan has recent hands-on experience** with school air quality.

During the 2001 school year, while Dan was directly supervising the day-to-day operations of the facilities department, one of the Kent School District's elementary schools began to experience serious indoor air quality complaints from students, staff, and the community. This school, built in 1938, had seen five additions, three modernizations, and other improvements and upgrades over the years too numerous to list. There were no (and still aren't any) simple solutions to the all the issues that kept arising.

By becoming more actively involved with indoor air quality issues and implementing [the EPA's Tools for Schools program](#) at this elementary school,

## **Association of School Business Officials International (ASBO)**

Dan and his staff were able to successfully deal with the school's ongoing issues. As a result of this experience they also implemented *Tools for Schools* in the rest of the Kent School District's 40 schools. The entire leadership team, as well as teachers and all support staff, have received training and ongoing support in addressing indoor air quality concerns before these become large, unhealthy, expensive issues.

**Dan has 30 years experience in school management**, and during his career has been the chief business official in two states in schools and districts ranging in size from 800 to 26,000 students. He has also served as the president of both the Wisconsin and Washington State ASBO affiliates, as a director on the ASBO International Board of Directors, and was liaison to both ASBO's Information Systems and Legislative Committees. Dan also chaired a technology task force for ASBO that developed a plan for the association to better utilize technology to serve both the association and the membership.

**In his role as Resident Practitioner for Indoor Air Quality**, Mr. Moberly will be available as a resource for professional associations across the United States and Canada. He has a message to share that is essential for all school district personnel.



## BOMA/Healthcare Realty

**BOMA.org**

INTERNATIONAL

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### Company Biography

Founded in 1907, the Building Owners and Managers Association (BOMA) International is a dynamic international federation of over 100 local associations. The 19,000-plus members of BOMA International own or manage over 9 billion square feet of downtown and suburban commercial properties and facilities in North America and abroad. BOMA's mission is to enhance the human, intellectual and physical assets of the commercial real estate industry through advocacy, education, research, standards and information.

BOMA delivers value-added quality programs, education, research and products to meet members' changing needs and protects member interests through unprecedented legislative advocacy and issues management. BOMA's influence, strength and membership are expanding through its active local association network and worldwide presence.

In advocacy, BOMA International represents building owners and managers before a wide array of policy setting bodies, such as the U.S. Congress, federal agencies, codes bodies and standards organizations. BOMA constantly monitors all critical issues that affect BOMA members, ranging from property rights to indoor air quality and from tax reform to electric utility deregulation. Additionally, BOMA strives to work closely with local associations to protect members' interests before state and local authorities. It is estimated that BOMA has saved its members over \$3 billion through legislative victories.

BOMA International is also committed to educating commercial real estate professionals and has continually developed and delivered educational programs to meet expanding member needs. As the industry's most highly respected and comprehensive educational source, BOMA's courses and seminars have trained over 60,000 students since 1992. Through BOMA University, members receive timely, practical training at affordable costs and they gain the skills they need to enhance and advance their career opportunities.

## **BOMA/Healthcare Realty**

Finally, BOMA offers comprehensive industry research and office building performance data and publications, products and services to assist the owners and managers of commercial office space to become more expert, professional and accomplished in creating better tenant environments and more stable investments for world capital. BOMA's Experience Exchange Report (EER) is the leading industry indicator of office building operation features operating income and expense data on over one billion square feet of public and private sector commercial properties from more than 5,000 individual buildings in 128 cities.

## **Personal Biography**

# American Association of Community Colleges

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## Company Biography:

Founded in 1920, the American Association of Community Colleges (AACC) has, over four decades, become the leading proponent and the national “voice for community colleges.” The association was conceived when a group of presidents representing public and independent junior colleges met in St. Louis, Missouri, for a meeting called by the U.S. commissioner of education. Originally named the American Association of Junior Colleges (AAJC), the association was to function as a forum for the nation’s two-year colleges.

In 1972, the name of the national organization was changed to the American Association of Community and Junior Colleges (AACJC), reflecting the community orientation of most public, two-year institutions. In 1992, the association’s name was simplified to its present form.

Today, AACC’s membership represents close to 95 percent of all accredited U.S. two-year community, junior and technical colleges and their 10.5 million students, as well as a growing number of international members in Puerto Rico, Japan, Great Britain, Korea, and the United Arab Emirates. The colleges are the largest and fastest-growing sector of U.S. higher education, enrolling close to half (45 percent) of all U.S. undergraduates.

Headquartered in the National Center for Higher Education in Washington, D.C., AACC is the primary advocacy organization for community colleges at the national level and works closely with directors of state offices to inform and affect state policy. In addition, AACC is a member of “The Six” large, presidentially based associations and collaborates with a wide range of entities within the higher education community to monitor and influence federal policy and to collaborate on issues of common interest. The association has ongoing interaction with key federal departments and agencies including the U.S. departments of Labor, Education, Energy, Homeland Security, and Commerce and the National Science Foundation.

AACC supports and promotes its member colleges through policy initiatives, innovative programs, research and information and strategic outreach to business and industry and the national news media. Its efforts are focused in six strategic actions areas:

- National and international advocacy for community colleges
- Learning and accountability
- Leadership development
- Economic and workforce development
- Connectedness across the AACC membership
- International and intercultural education

Governed by a 32-member board of directors elected by the membership, AACC is a nonprofit organization whose overriding mission is to “Build a Nation of Learners by Advancing America’s Community Colleges.”

# American Association of Community Colleges

# American Association of Community Colleges

## **Personal Biography:**

Mary Jane Curran, Environmental Technology Coordinator came to Cape Cod Community College (CCCC) in 1994 to establish and coordinate the Environmental Technology Collaboration with Mass Maritime Academy and U MA Dartmouth and to develop several education options for students that include an Associate in Science Degree in Environmental Technology which emphasizes the cognitive and technical skills needed to advance in Environmental Technology careers, an AA Concentration in Environmental Studies for students who wish to transfer to a four year program and five certificate programs, Environmental Site Assessment, Coastal Zone Management, Wastewater Management and Geographical Information Systems, (GIS) and Water Supply. Electives within the degree program include Coastal Ecology, GIS, water quality, wastewater, hazardous waste and air quality. She manages the internship program that has placed over 300 students with federal, state, and municipal offices, education organizations, and non-profit groups as well as for-profit companies. She serves as CCCC's representative on several state and non-profit boards. Through a 1998 National Science Foundation Advanced Technology Education (ATE) grant, Mary Jane reached out to the high school teachers in southeastern Massachusetts providing information about education and careers in environmental technology for students and guidance counselors. In addition, the Environmental Technology high school Tech Prep courses that were developed through the grant serve as an incentive for students to enter the AS degree program. A second ATE grant awarded in 2004 will build upon the highly successful Environmental Technology Program model and focus on Renewable Energy curriculum development and training for practitioners as well as community education about renewables. Before coming to CCCC, Mary Jane coordinated the collaborative efforts among the New England Aquarium, the Boston Museum of Science and Boston public schools. She also was active in community outreach and mentor training for Boston Partners in Education. She has a BA in Biology from Regis College and an M Ed in computers from Lesley College.

# Cleaning Management Institute (CMI)

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## Company Biography

Cleaning Management Institute (CMI) is a professional society dedicated to education, training and career improvement for the facility maintenance industry. Members receive discounted or free access to valuable industry information that leads to increased efficiency, decreased turn over and cleaner, safer, healthier buildings.

CMI also produces CM EduCon (formerly CM Expo), the nation's foremost regional educational conference for the facility maintenance industry. CM EduCon features over a dozen different courses and certifications and is held approximately ten times a year in regions across the country.

## Personal Biography

Ron Goerne is CEO of Service Resource, a consulting and training firm based in Bloomington Ill. He has more then 25 years of hands-on experience in the facility maintenance industry and is a past president of the Building Services Contractors Association International.

# Environmental Management Institute (EHMI)



Dedicated to the Understanding, Enhancement, and Preservation of the Natural Environment

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Alan John Borner-President

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**Company Biography:** The Environmental Hazards Management Institute was founded in 1979 by Alan Borner, to promote environmental responsibility in the home, workplace, and community through education and relationship building. For decades, EHMI has fostered consensus over complex environmental safety and health issues by gathering corporate, government, military, community, and educational representatives around the same table to craft workable solutions. With the same objective or “value-neutral” approach, EHMI has also created a wide variety of easy-to-use, environmental safety and health educational materials.

In 1979, EHMI convened the nation’s first cross-sector conference on hazardous waste-building a bridge to practical solutions through fact-based dialogue. EHMI was also the first to create a multi-agency and civilian opportunities for simulated chemical emergency training and cooperative contingency planning development. EHMI is well known for creating unique, interactive educational tools that equip individuals to take conscious steps resulting in informed action. In 1987 EHMI produced its first educational slide chart “wheel”, the Household Hazardous Waste Wheel®. EHMI continues to research and develop programs, products, and services that are educational, concise, objective, interactive, and empowering, and serve the direct issues of health, safety, and the environment.

The vision of EHMI is to be an independent, unbiased, nonprofit, environmental education organization dedicated to the understanding, use, and broad transfer of information technology to improve environmental, health, and safety practices in communities throughout the world.

**Personal Biography:**

## Environmental Monitoring Systems, Inc.



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### **Company Biography:**

Environmental Monitoring Systems, Inc., is a world-wide provider of Asbestos, Lead and Indoor Air Quality products, supplies and equipment. Privately held since the company's inception in 1994, EMS has emerged as an industry leader and is widely recognized for supplying clients with superior quality products and unparalleled customer support.

The company's President, John L. Jordan, Sr., has a keen vision for the future and believes that technical leadership makes product leadership possible. EMS employs the latest technologies and highest quality materials to deliver some of the best products available in the industry today. Every product we manufacture is rigorously tested to ensure our customers will obtain the most accurate results possible and every product line we carry represents only the most respected manufacturers in the industry.

Our employees have a shared foundation of trust, values and opportunity for growth and are all dedicated to serve you, the customer, and satisfy your requirements in every way. Being a total quality company in our relationships with our customers, employees, vendors and the communities in which we supply keep us vigilant in our quest to "Provide Environmental Products for a Safer Tomorrow".

### **Personal Biography:**



# EMSL Analytical

## EMSL Analytical, Inc.

Quality Laboratory Services Since 1981

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### **Company Biography:**

As the nation's leading and largest environmental testing firm, EMSL's network of 23 laboratories has been providing quality analytical services since 1981. We offer a wide array of analytical testing services to support environmental investigations focused on asbestos, microbiology, lead paint, environmental chemistry, indoor air quality, and industrial hygiene applications. Additionally, we also provide materials testing, characterization, and forensic laboratory services for a wide range of commercial, industrial, regulatory, and law enforcement clients. Our unmatched capacity coupled with a company wide focus on customer satisfaction makes no project too large or too small. Our corporate research and development capabilities allow us to bring new methodologies on line quickly to meet new industry challenges and client needs. In recruiting and retaining talented and motivated scientists on a national scope, our expertise is marshaled throughout a nationwide network of analytical laboratories. We are committed to providing reliable, defensible data in a standardized and user-friendly format. Rapid turnaround and competitive prices make the dependable results you get that much more valuable. At EMSL, we're much more than another testing laboratory. We are your project partner!

### **Personal Biography:**

## E-Wire



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(800) 343-9013 Ext. 15  
Fax: (212) 279-4290

Colin Nicholson-Vice President New Business Development

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[www.ewire.com](http://www.ewire.com)

### **Company Biography:**

E-Wire is the leading press release distribution service dedicated to environmental news, products and events. E-Wire uses three-fold distribution to deliver your environment related news, research, services, and product information to major news organizations, publications, government agencies, databases and environmental professions around the world.

### **Personal Biography:**

# Faulkner & Flynn



Suite 170, 10 South  
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Fax: (540) 985-9538

John Eichenberger-Senior Consultant  
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[www.faulknerflynn.com](http://www.faulknerflynn.com)

## **Company Biography:**

Faulkner & Flynn specializes in cost effective and innovative environmental and property management solutions. Experienced in all aspects of environmental engineering and regulatory affairs, we have a solid understanding of where environmental policy has been and a clear vision of where it is going. We are engineers and scientists, but also business people who speak your language as well as that of the regulator and the public.

## **Personal Biography:**

Mr. John Eichenberger, P.E. Mr. Eichenberger is a Senior Consultant at Faulkner & Flynn, A Rutherford Company. Mr. Eichenberger is a registered Professional Engineer (P.E.) in Virginia, with more than twelve years of experience as an environmental consultant to industry and the legal community working in the areas of Civil and Environmental Engineering. He has worked for a number of major insurance providers on projects involving many aspects of interior air quality and mold abatement. This work has required Mr. Eichenberger to complete site inspections, prepare abatement plans and manage abatement activities. Mr. Eichenberger has also worked with attorneys on a number of litigation cases involving biological contamination and interior air quality requiring him to provide expert witness testimony, develop expert witness reports and work closely with specialized contractors and medical professionals. Mr. Eichenberger has presented instructional material on mold and its impacts on commercial and residential construction to the Virginia Association of Defense Attorneys (VADA), the Associated General Contractors of America (AGC), as well as numerous other insurance, legal and contractor community. Mr. Eichenberger has also worked closely with the Environmental Education Foundation to provide training to a number of contractors and maintains his certification as a Registered Indoor Air Quality Manager (RIAQM) with this organization. Mr. Eichenberger has Master's degrees in Civil Engineering

## **Faulkner & Flynn**

and Microbiology and has conducted research on the ecology and function of environmental microorganisms.

# FMLink.com



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Tel: (301) 365-1600

Peter S. Kimmel-President

[peter@fmlink.com](mailto:peter@fmlink.com)

[www.fmlink.com](http://www.fmlink.com)

## Company Biography:

### Personal Biography: Peter S. Kimmel

IFMA Fellow, AIA

Peter S. Kimmel, a former facilities manager in both the private and public sectors, is the Publisher of FMLink ([www.fmlink.com](http://www.fmlink.com)), the largest information-based magazine for facilities managers on the Internet. FMLink has everything from news stories, to articles from most leading FM publications, to a directory of those providing products and services to FMs, to a job mart.

In 1999, Peter started FM Forum ([www.fmforum.org](http://www.fmforum.org)), which has become the largest and most active discussion group on the Net. FM Forum is unique in that it is co-sponsored by many of the leading FM-related associations and magazines. FMLink is the Managing Sponsor of FM Forum.

Prior to founding FMLink in 1995, Peter was president of his own facilities management consulting firm, Peter S. Kimmel & Associates (PK&A). At PK&A, Peter consulted to both facilities managers and FM service organizations. His work ranged from helping FM clients manage their growth and change through a strategic facilities plan, to identifying methods of enhancing facilities operations through analysis of existing resources, policies, procedures, and tools for automating the various FM applications (including CAFM). Clients included Dow Jones, GSA, Herman Miller, the International Monetary Fund, NASA, NYNEX, PNC Bank Corp., Sallie Mae, and the World Bank.

Prior to starting his consulting practice, Peter's background encompassed extensive work in facilities management in both the private and public sectors, including four years at Westinghouse and eight years at the General Services Administration (GSA). He also had consulted to the Canadian Government.

Peter speaks at a variety of conferences, including IFMA's World Workplace each year. For the past thirteen years, he has facilitated the FM Technology Forum at World Workplace; the most recent transcript is published on the Web. His writings have been published in most FM magazines. He is a two-time winner of IFMA's Distinguished Author Award (1987, 1994). He also was the founding President of IFMA's Capital Chapter, and led it to IFMA's first Chapter-of-the-Year award.

## **FMLink.com**

Along the way, IFMA has honored Peter with its award for Distinguished Service (1985), and in 1997 was named an IFMA Fellow. A registered architect, he is a member of both IFMA and AIA. He holds a Master of Architecture degree from the University of California.

# Hixson



659 Van Meter Street  
Cincinnati, OH 45202-1568  
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Fax: (513) 241-1287

Thomas Hellmann-Vice President of Architecture & Interior Design

[thellmann@hixson-inc.com](mailto:thellmann@hixson-inc.com)

[www.hixson-inc.com](http://www.hixson-inc.com)

## **Company Biography:**

An architecture, engineering, and interior design firm providing services for corporations throughout North America from its headquarters in Cincinnati, Ohio.

Hixson specializes in corporate offices, R&D, food and beverage processing, and fashion retail facilities. By applying their insight, client advocacy and intelligent project execution, Hixson enables clients to realize the full potential of their facilities. Hixson provides fully integrated solutions through complete in-house technical capabilities: architecture and interiors, civil, structural, HVAC, plumbing, electrical, refrigeration, manufacturing, process, and environmental engineering, project management, and construction administration.

A privately held corporation, Hixson has been in business for over 50 years and has a staff of 100 associates. A cornerstone of Hixson's culture is that in order to be the preferred service provider it must be the preferred employer. In 2004 Hixson was recognized as being one of the top 10 small businesses to work for in America.

## **Personal Biography:**

Tom Hellmann is Vice President/Director of Architecture and Interior Design at Hixson. He has been with Hixson for 16 years and his experience includes major corporate office campuses, speculative office developments, R&D facilities, food and pharmaceutical manufacturing facilities, and fashion retail.

As a LEED certified professional, Mr. Hellmann drives Hixson's sustainable design initiatives. He has participated in "EnviroDesign", the premier national symposium on sustainable design, the USGBC's training workshop on LEED, and several AIA sponsored conferences on LEED and sustainable design principles. He has also participated in the Homeland Security Conference in Washington D.C. pertaining to corporate facility risk assessment, security, and building design.

Mr. Hellmann has been instrumental in the development of Hixson's High Performance Facility Synchronization<sup>sm</sup> approach for creating facilities that achieve the optimum balance of cost, operating efficiencies and quality-of-workplace.

# HOK Hellmuth, Obata + Kassabaum Inc.



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St. Louis, MO 63102  
Tel: (314) 754-4245  
Fax: (314) 421-6073

Marty Rocca, LEED® AP  
Associate  
[Marty.Rocca@hok.com](mailto:Marty.Rocca@hok.com)  
[www.hok.com](http://www.hok.com)

Mary Ann Lazarus-Firmwide Sustainable Design Coordinator at HOK

## **Company Biography:**

HOK is a global architectural firm that specializes in planning, design and delivery solutions for buildings and communities. The firm's expertise includes architecture, engineering, interiors, planning, lighting, graphics, facilities planning and assessment, and construction services.

Through its collaborative network of 21 offices on four continents, HOK's 1,600+ employees serve diverse clients within the corporate, commercial, public and institutional markets.

As expansive as the HOK network has become, its founding philosophy remains constant: to create environments that go beyond pure function to enhance the quality of life for those who work, live, visit and have fun in them.

HOK is committed to developing resources and expertise to help lead the world toward sustainable communities and building environments. With more than a decade of hands-on sustainable design experience, HOK has consistently and convincingly demonstrated that "green" projects can be delivered without compromising aesthetic goals, building performance or budget constraints.

The firm's sustainable design commitment emanates from every level of the organization – from President Bill Valentine, to Sustainable Design Principals Sandy Mendler and Bill Odell, to a network of "Champions" in each regional office and practice area. This commitment is shared – and personalized – in local communities throughout the world.



## **HOK Hellmuth, Obata + Kassabaum Inc.**

The firm's record is unmatched in the design profession:

- Four LEED®-certified projects and 315 LEED®-accredited professionals.
- Six consecutive years of recognition on the "Top 10 Green Projects list" by the American Institute of Architects Committee on the Environment.
- The only design firm to earn the "Designing a Sustainable and Secure World" award from Global Green USA, the U.S. affiliate of Mikhail Gorbachev's worldwide environment organization Green Cross International.
- Author of one of the design profession's seminal textbooks, "The HOK Guidebook for Sustainable Design," published in 2000 by John Wiley & Sons and currently in its third printing.

### **Personal Biography:**

Mary Ann Lazarus serves as Firmwide Sustainable Design Coordinator at HOK, a global architectural design and services firm. In that role, Mary Ann promotes the implementation of sustainable strategies in all of HOK's work through development of training, resource material, case studies, and direct consultation with design teams. Prior to serving in this role, Mary Ann was a Project Manager on institutional projects including work at Case Western University, Mount Mercy College, and Monsanto Corporation. She holds a Masters of Architecture degree from Washington University in St. Louis and a BA from Mount Holyoke College.

HOK has incorporated sustainability as a core value for over a decade, resulting in a distinguished track record of green designs. This includes three LEED certified projects, seven AIA Committee on the Environment Top Ten Green winners, and many other innovative, green designs worldwide. Significant sustainable recent projects for the Federal Government include the EPA Environmental Resource Center at Research Triangle Park, U.S. Naval Academy Renovations, and several New Office Buildings for the U.S. Department of State. Mary Ann is a registered architect and LEED(R) Accredited Professional.

# HUD-Healthy Home Division

Us Dept. of Housing & Urban Development  
Asheville Building Suite 500  
1500 Pinecroft Rd.  
Greensboro, NC 27407  
Tel: (336) 547-4002 Ext. 2067

Emily E. Williams- Director  
[www.hud.gov](http://www.hud.gov)

## Company Biography

HUD's mission is to increase homeownership, support community development and increase access to affordable housing free from discrimination. To fulfill this mission, HUD will embrace high standards of ethics, management and accountability and forge new partnerships--particularly with faith-based and community organizations--that leverage resources and improve HUD's ability to be effective on the community level.

## Personal Biography

Emily Williams is currently acting as Division Director of HUD's Healthy Homes Division. She has a Master of Science in Physical Chemistry and more than 20 years experience in environmental research programs. She has worked with the Healthy Homes program for almost four years and currently she serves as the day-to-day program manager for this program. In this role, she manages grants, provides technical support to grantees, individuals and organizations, and coordinates the Office of Healthy Homes and Lead Hazard Control's Field Staff Implementation Plan. Prior to joining HUD, Ms. Williams managed projects in support of the U. S. Environmental Protection's Agency programs for establishing a national framework for environmental lead quality assurance activities in the laboratory and field.

# International Custodial Advisors Network, Inc. (ICAN)



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Boise, ID 83713  
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Allen P. Rathey

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[www.custodialadvisorsnetwork.org](http://www.custodialadvisorsnetwork.org)

## Company Biography:

The International Custodial Advisors Network, Inc. (ICAN) is a non-profit association comprised of industry consultants and other educators with a wide range of expertise in building management, indoor environmental quality and service disciplines. ICAN's mission is to promote, strengthen and enhance respect for the cleaning and building services industry, foster education, provide expert information, develop meaningful standards, and raise the professionalism and perceived value of the industry.

As part of ICAN's objective to enhance the public perception of the cleaning sector, ICAN will engage in media outreach to show the direct correlation between cleaning and quality of life and health. For example, ICAN recently surveyed its members to determine the major trends affecting the future of the cleaning industry. Three of the eleven trends identified, described and later released to the public by ICAN were:

- 1) There will be a greater focus on cleaning to protect health—including ergonomics--while reducing the industry's environmental footprint (green cleaning). Driven by building owners looking to enhance their indoor environment and improve worker productivity, more emphasis will be placed on cleaning to enhance the environment, while at the same time the chemicals, equipment, procedures, paper and other disposables will all be more closely

## **International Custodial Advisors Network, Inc. (ICAN)**

scrutinized for their environmental and health impacts. Bottom line: cleaning operations will become safer and less polluting.

2) Cleaning will be viewed as an important component of the sustainability of buildings, and more fundamental to their operation. It will figure more in strategies to maintain the built environment. Buildings will be built to stay clean and they will be cleaned properly from the beginning. A cost will be associated with the value of a clean indoor environment.

3) In sealed buildings, mold measures will become an increasingly contentious legal issue, so cleaning will expand from routine cleaning to a preventative approach. Cleaning workers will be trained in prevention of, identifying and eliminating mold sources.

### **Personal Biography:**

Allen P. Rathey is an independent consultant to the cleaning industry with more than 20 years of experience in the building services field, and a focus on best practices and educational marketing. His work provides him audience with all the major trade magazines, a number of industry associations, and most major cleaning consultants. Over the years, he has been one of the main communicators of the benefits of specialist cleaning methods producing healthier indoor environments cost-effectively.

He co-founded the International Custodial Advisors Network (ICAN)--a non-profit association comprised of industry consultants with a wide range of expertise in building management, indoor environmental and service disciplines ([www.custodialadvisorsnetwork.org](http://www.custodialadvisorsnetwork.org)).

Rathey is president of InstructionLink/JanTrain, Inc., an educational marketing firm specializing in the cleaning industry, and the publisher of content featured on [www.HousekeepingChannel.com](http://www.HousekeepingChannel.com).

InterFom.com



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Anthony Guerrero-Senior Level Facility Manager

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[www.interFom.com](http://www.interFom.com)

### Company Biography:

InterFOM.com is cutting edge online membership community offering up-to-the minute news, product information and specialized education targeted to facilities management and operations professionals.

Created by experienced facilities management professionals Anthony Guerrero and Roger Maloney, InterFOM.com is a comprehensive resource for up-to-date information, innovative tools and relevant education critical to the success of today's facilities managers.

Among the many state-of-the-art features InterFOM.com will offer its members are: **Real Time News** -- a continually refreshed stream of facilities management and general business news stories culled from more than 3,000 sources; **Resource Center** – a comprehensive library of full-length articles on facilities pertinent subjects, from project management to career development; **Best Practices Discussion Group** – a virtual gathering place where members can contact and chat with industry peers, sharing knowledge and best practices; **Directory of Service Providers** – a robust directory of vendors offering top of the line services and products; **RFP Services** – a truly innovative feature allowing members to use proprietary tools to create and post their own RFPs, sending them directly to a large database of service providers.

### Personal Biography:

As a seasoned, senior-level facilities management professional, Anthony Guerrero has amassed a solid track record of accomplishments in all phases of operations, construction and facilities management. Putting his extensive experience in the sector into practice, Anthony recently developed and launched InterFOM.com, a state of the art web-based community for facilities management professionals. InterFOM.com is a comprehensive resource for up-to-date information, innovative tools and relevant education critical to the success of today's facilities managers. By creating InterFOM.com Anthony hopes not only to help its members build successful careers, but to contribute to the design, construction and maintenance of the most secure environments and safest facilities possible. Anthony has a Masters Degree in E-Commerce from Columbia University.

## **IPM Institute of North America, Inc.**

1914 Rowley Avenue  
Madison, WI 53726

Tel:

Fax:

Thomas A. Green

**Company Biography**

**Personal Biography**

**IQAir**



10440 Ontiveros Place, Unit 1  
Santa Fe Springs, CA 90670  
Tel: (562) 903-7600  
Fax: (562) 903-7601

**Company Biography:**

IQAir advanced air cleaners are made in Switzerland by a family-owned and operated group of companies (IQAir group).

With a solid 40-year history in providing clean air solutions, IQAir has the experience, resources and commitment to produce air cleaning devices of the highest caliber. Hospitals, laboratories and medical device manufacturers around the world rely on IQAir advanced air cleaners to maintain the exacting standards required in these critical environments.

While a significant business focus remains on medical and commercial sectors, IQAir recognizes the need for high-performance air cleaners for homes and offices. With the introduction of the IQAir Personal Health series of air cleaners, IQAir has finally brought high-performance air cleaning to homes and offices.

IQAir uses the same uncompromising approach to air cleaning, whether our air cleaners are used in a hospital, laboratory or in your personal residence or workspace.

IQAir systems bridge the gap between conventional room air purifiers and large commercial air cleaning systems. While maintaining the size of room air cleaners, IQAir systems offer superior air cleaning performance due to the uncompromising implementation of state-of-the-art air cleaning technology.

IQAir systems' modular design allows for a range of specialized models and configurations which provide users with customized and targeted air cleaning solutions. IQAir systems are customized tools in the fight against indoor air pollutants.

IQAir is the best choice for those who expect maximum performance from their air cleaner, whether it's for allergen or odor control in a home or biological contaminant control in a hospital.

**Personal Biography:**

Glory Dolphin, CEO of IQAir North America, has been involved in the development and marketing of air cleaning solutions for more than a decade.

## **IQAir**

She is a CIE (Certified Indoor Environmentalist) and a CAFS (Certified Air Filtration Specialist.)

After graduating from the University of Southern California in 1996 with a Bachelors of Science in Business Administration, Glory Dolphin began working with the Swiss-based IQAir Group.

In 2000, Glory Dolphin was responsible for introduction of the IQAir HealthPro series of air cleaners in the United States. Glory Dolphin has led IQAir's growth in the United States, Canada, and Mexico. She was instrumental in partnering IQAir North America with the American Lung Association.

In 2004, Glory Dolphin helped found the International Association of Air Cleaner Manufacturers (IAACM) the industry trade organization for home and hospital room air cleaners. She serves as the current Executive Director of the IAACM.

Glory Dolphin is a writer/contributor to indoor air quality trade magazines.



# Leviticus Corporation

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Jeffery S. Wade-CEO  
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[www.leviticuscorp.com](http://www.leviticuscorp.com)

## Company Biography

At Leviticus, our mission is to provide our customers with cost effective solutions for their environmental needs. Providing superior education, technology and advanced indoor air quality products and services, Leviticus is committed to creating a better world one client at a time.

Leviticus is a team of dedicated professionals and our goal is to consistently offer the most balanced and innovative environmental education and mold inspection software and solutions available for industry. Our clientele now extends across the nation with numerous installations in the domestic U.S and in other countries. The Leviticus organization currently supports customers by offering free shipping, 12 month free upgrades and 30 day free tech support. Regardless of location, customer satisfaction has remained our highest priority.

Each Leviticus software package includes full technical support via phone, fax, or e-mail for varying periods of time. Support can be extended on an annual basis, as desired. On-site training and implementation services are also available and often prove to be the most efficient route to a successful system launch. New for 2004, our support staff, whether home or away, will be assisted by a state-of-the-art knowledgebase and systematic access to our software engineers to ensure customer satisfaction.

# Medical University of South Carolina



Medical University of South Carolina  
Program in Environmental Health Sciences  
Harborview Office Tower, Suite 602  
PO Box 250809  
Charleston, South Carolina 29425

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cell 843-324-5323

## Company Biography

The Medical University of South Carolina  
A Brief History of MUSC

The Medical University of South Carolina has served the citizens of South Carolina since 1824. It has expanded from a small private college for the training of physicians to a state university with a medical center and six colleges for the education of a broad range of health professionals, biomedical scientists and other health related personnel.

### MUSC Medical Center

The Medical College of South Carolina was one of the first medical schools in the United States to establish, in 1834, an infirmary specifically for teaching purposes. In the 1840s the college also entered into agreements for clinical training opportunities at the Poorhouse, the Marine Hospital, and the local "dispensary." In 1856, Roper Hospital was opened, and for 100 years Roper was the Medical College's primary teaching hospital.

The Medical College recognized the need for its own facilities to expand clinical teaching opportunities, as well as to serve as a major referral center in South Carolina for diagnosis and treatment of disease. The ten-story Medical University Hospital accepted its first patients in 1955. In 1985 the name of the hospital and its clinics was changed to MUSC Medical Center, reflecting its function in an academic health institution and its wide range of services to the public. This comprehensive facility is now comprised of three separate hospitals (the University Hospital, the Institute of Psychiatry, and the Children's Hospital). The Medical Center includes centers for specialized care (Heart Center, Transplantation Center, Hollings Cancer Center, Digestive Diseases Center). Numerous outpatient facilities include the Family Medicine Center, University Diagnostic Center, and affiliated faculty practice association ambulatory care centers. In the past ten years, \$200 million in capital improvements for the Medical Center focused resources on improved quality of patient care and accessibility of services. In 1993-94 there were over 23,000 inpatient admissions and almost 300,000 outpatient visits. MUSC also manages the Charleston Memorial Hospital adjacent to the campus, providing there a low-risk obstetrical service.

# Medical University of South Carolina

Among the programs which have earned distinguished reputations at the Medical University of South Carolina are: neuroscience, substance abuse, cardiovascular medicine, drug sciences, perinatal medicine, burn care, ophthalmology, hearing loss, genetics, rheumatology, and cancer care.

## Mission Statement

The Medical University of South Carolina (MUSC) is a public institution of higher learning the purpose of which is to preserve and optimize human life in South Carolina and beyond. The university provides an environment for learning and discovery through education of health care professionals and biomedical scientists, research in the health sciences and provision of comprehensive health care. The university is committed to fulfilling its responsibilities:

To educate students to become caring, compassionate, ethical, and proficient health care professionals and creative biomedical scientists;

To recruit and develop dedicated, scholarly teachers who inspire their students to life-long learning in the service of human health;

To offer educational opportunities to graduates, faculty and staff, to other biomedical scientists and practicing health professionals, and to the public;

To seek and welcome students, scholars, and staff regardless of gender, race, age, nationality, religion or disability, recognizing the benefits of diversity;

To conduct research in the health sciences, advancing knowledge and encouraging new responses to health care needs;

To provide excellence in patient care, in an environment that is respectful of others, adaptive to change, accountable for outcomes, and attentive to the needs of underserved populations;

To advance economic development by introducing new technology and fostering research links with industry and other academic institutions;

To optimize the use of all resources, including the financial support from the state and revenues generated from research, clinical operations, and philanthropy;

To provide leadership to the state in efforts to promote health and prevent disease;

To serve as a state resource in health policy, education, and related matters for other institutions and the general public.

**CAREER OBJECTIVE:** To pursue on-site environmental analysis, regulatory compliance, chemical research, product development, and technical management with emphasis in solving problems to move technology to the marketplace.

## Personal Biography

**CAREER SUMMARY:** I have 22 years progressive experience in the laboratory, technical education, technology developmental and implementation process:

Identifying a specific technical need, moving from ideation to the laboratory, involving engineering, regulatory and business team members, establishing technical performance, evaluating end-user acceptance, driving development through the pilot-plant to commercial scale and on to the marketplace.

# Medical University of South Carolina

UNIVERSITY LABORATORY ASSOCIATES, LLC  
President and Chief Operating Officer  
2003-Present

INDOOR AIR QUALITY (IAQ) - BIOAEROSOL ANALYSIS A. Established a positive case flow corporation, located on the campus and affiliated with the Medical University of South Carolina, Program in Environmental Health Sciences to analyze IAQ samples (Bulk, tape lift, spore trap, & viable) for fungi, educate IAQ Professionals, provide community outreach, conduct research & development programs.

B. Lecturer and Adjunct Faculty, Medical University of South Carolina.  
Developed and presented courses for IAQ Investigators, IAQ Mold Remediators, IAQ for Facility Managers, Real Estate Agents and Insurance Adjusters, and Microscopy for IAQ Investigators.

TUCKER ENTERPRISES LLC, dba ASAP Technical & ASAP Environmental Chief Operating Officer and Founder 1997-Present

## TECHNICAL, CHEMISTRY AND ENVIRONMENTAL

A. Established a positive cash flow, multi-functional company to provide training and consulting services related to research & development management, regulatory services and expert legal testimony to the chemical and chemical specialties industries. New product and product improvement development is a specialty.

B. Established a multi-functional company with broad services in the environmental field, including regulatory compliance consulting, indoor air quality, asbestos surveys (inspector, supervisor, management planner, sampling and evaluation {NIOSH 582}), preparation and implementation of Safety, Toxicological, VOC, Waste Disposal and Chemical Hygiene Plans. On-site analysis of RCRA metals in soil and air, LBP, IAQ (fungi), and Asbestos.

C. Lecturer and Adjunct Faculty in Organometallic and Organic Chemistry.  
College of Charleston, Department of Chemistry and Biochemistry.

## LEAD BASED PAINT (LBP) HAZARDS

A. Provide services to protect children from Lead Based Paint Poisoning, which include inspections, risk assessments, abatement supervision and project design, education and community service.

B. Identify, evaluate, report on, and develop novel products for Lead Based Paint hazards.

C. Develop new analytical techniques for field quantification of heavy metals from aqueous solution using X-Ray Fluorescence (XRF).

D. Active in community on LBP issues as a Member of the Board of Advisors for the Charleston Childhood Lead Poisoning Prevention Program and Chairman of the Funding Committee, Founder of SC Healthy Homes Initiative - A LBP Citizens Action Group

E. Lecture and Adjunct Faculty on Health Effects, Regulations and XRF Detection of Lead Based Paint Hazards, Medical University of South Carolina, Department of Environmental Health  
F. Manufacturer's Trainer for INNOV-X Systems in radiation safety and the safe and efficient operation of X-ray fluorescence (XRF) spectrum analyzers.

## ARMOR ALL PRODUCTS CORPORATION

Director of Corporate Research and Development 1995  
- 1997

Technical Director - Protectant Division & Home Care Division 1994  
- 1995

Technical Manager - New Technology  
1993 - 1994

Corporate Safety Officer  
1993 - 1995

# Medical University of South Carolina

HENKEL RESEARCH CORPORATION & HENKEL - EMERY GROUP Research Associate -  
Exploratory Oleochemistry and New Product Research  
1990-1993  
Section Head - Homogeneous & Heterogeneous Catalysis 1989-1990

PROCTER AND GAMBLE COMPANY  
Technology Group Leader - Bold and New Tide Brands  
1986 - 1989  
Staff Research Chemist - Surfactant Technology  
1981 - 1986

## EDUCATION

Ph.D. Univ. of North Carolina Organometallic/Organic Chemistry 1977  
- 1981  
B.S. Univ. of Virginia Chemistry - with Distinction  
1972 - 1976  
German Language - Intermediate Honors Goethe Institute, Germany 1974

## PATENTS

### ARMOR ALL PRODUCTS CORPORATION

1. APPLICATION (10/96) "Method for Cleaning Environmental Soils from Outdoor Unfinished Surface", James R. Tucker et al.
2. APPLICATION (10/96) "Method for Applying Water-Proofing Compositions to Outdoor Surface", James R. Tucker et al.

### HENKEL RESEARCH CORPORATION & HENKEL - EMERY GROUP

3. APPLICATION (1/91) "Oxidative Purification in Ambroxan Synthesis." J.R. Tucker et al.
4. "Telomerization of 1,3-butadiene", J.R. Tucker, et al, US 5,236,909.
5. "Herstellung von Polyolethern auf Basis Glycerin.", J.R. Tucker et al, US 5,236,909.
6. "Verfahren zur Herstellung von Glycerinethersulfaten." J.R. Tucker et al, US 5,117,032.

### PROCTER AND GAMBLE COMPANY

7. "Preparation of imidazoline derivatives as fabric conditioners." J.R. Tucker et al, US 88 287922.
8. "Detergent plus softener with imidazoline ingredient." J.R. Tucker et al, US 922912.
9. "Detergent plus softener with amide ingredient." J.R. Tucker et al, US 4762645.
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# National Association of Certified Home Inspectors (NACHI)



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## Company Biography

Many visitors may wonder what the **NACHI Foundation** is and what it is that we do. This page is a brief summary of the NACHI Foundations and our accomplishments.

The **NACHI Foundation** was conceived by Nick Gromicko, Executive Director of the National Association of Certified Home Inspectors (**NACHI**). He wanted an organization that raised funds and did charitable works with them. Gary Johnson was selected to take over what was to become "The NACHI Foundation, Inc". The Foundation is a registered 501(c) 3 Charity Organization as defined by the IRS and the State of Maryland. We are incorporated in MD also. What this means is that any donations you make to us are 100% tax deductible.

## Personal Biography

# National Air Duct Cleaners Association (NADCA)



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## Company Biography

Around the early to mid 1980s, the HVAC cleaning industry was becoming known as an industry of fraud. Many companies advertising that they were HVAC cleaners would enter consumer's homes and never actually clean the HVAC system. Instead, they would spray a glue-like substance into the ducts - a process now referred to as encapsulation. Contaminants would adhere to ductwork, instead of being removed. Legitimate HVAC cleaning companies, employing complete source removal methods, were feeling the effects of these companies' actions - including losing business and respect from the public and media.

The National Air Duct Cleaners Association (NADCA) was formed in 1989 by a group of enterprising ventilation cleaning contractors who were concerned about the rapid growth and lack of regulation in the industry. At that time, there were no industry standards, no credentialing programs, and no system for education for HVAC cleaners. The founding members of NADCA made it their goal to add professionalism to the industry. Those gathered agreed that the number one goal of the organization should be educating the HVAC cleaning industry, as well as consumers, that source removal was the best method of cleaning.

NADCA established its headquarters in Washington, DC, and produced the first trade show for HVAC cleaning equipment in 1990 at the first of what would be the Annual Meeting & Exhibition. Today, this annual event brings more than 90 equipment suppliers and 800 HVAC system cleaning professionals together for a three-day trade show. The meeting also features dozens of educational seminars led by industry experts, government agency representatives, scientists, and university researchers.

As NADCA grew, the need for local educational opportunities became apparent. To assist in managing the growing organization, it was divided into eight regions, and Technical Education Seminars were scheduled for the Fall of 1990 in each region. In the spring of 1999, the Board of Directors voted to include Canada as the 9th region of NADCA. In the Fall of 1999, Toronto, Ontario, Canada, hosted the first Technical Education Seminar outside of the U.S. Today, seminars are held in various cities throughout North America during the month of September.

## STANDARDS

The need for industry standards was addressed in 1992 when the association adopted [NADCA Standard 1992-01](#), Mechanical Cleaning of Non-porous Air Conveyance System Components. This performance-based standard defines minimum job qualifications, and most importantly,



## National Air Duct Cleaners Association (NADCA)

answers the question of "how clean is clean." The standard defines precisely how much debris can remain within a ventilation system after cleaning has been completed. The standard also provides qualitative and quantitative methods to measure duct debris, allowing consumers to conclusively determine the success of a HVAC cleaning project. Since its release, the [NADCA standard](#) has been widely accepted within the engineering and industrial hygiene communities. Most recently, the standard was adopted by Japan and several European nations as the official ventilation cleaning standard.

In 1995, the NADCA Standards Council released [Understanding Microbial Contamination in HVAC Systems](#). In addition, a reference document, [Introduction to HVAC System Cleaning Services, A Guideline for Commercial Consumers](#) was created.

Requirements for the Installation of Service Openings in HVAC Systems and NADCA General Specifications for the Cleaning of Commercial HVAC Systems were approved and adopted in the Fall of 1997.

Currently, NADCA is producing two more industry standards. In 2001, the Standard Specifications for Assessment, Cleaning and Restoration of HVAC Systems for Hygiene (ACR-2000) and the NADCA Standard-03, Requirements for Testing Vacuum Collection Equipment (PC-03) will be available.

Refer to the NADCA Bookstore for publication ordering information.

### **CERTIFICATION PROGRAM**

NADCA started the first [certification program](#) for the HVAC hygiene industry in 1995. Following procedures established by the National Organization for Competency Assurance (NOCA), NADCA created a 150-question written examination. The exam covers all aspects of HVAC cleaning, and is quite challenging for even the most seasoned industry veterans. Individuals who pass the exam earn the title "Air System Cleaning Specialist" (ASCS). The ASCS designation is an important achievement demonstrating comprehensive knowledge and experience. Consumers are well advised to require that any company they hire maintain certified ASCSs on staff. In 1998, the NADCA Board of Directors voted to require that all NADCA members performing HVAC cleaning services be required to have at least one ASCS on staff at each physical office location, thus, the membership category was changed to "Certified Regular Membership."

Other programs conducted by NADCA include the publication of [DucTales](#), a bi-monthly association and technical journal; public outreach programs to help educate consumers; cooperative research programs with the U.S. Environmental Protection Agency (EPA); and a variety of other benefits.

Membership in NADCA is restricted to companies that can meet rigorous pre-qualification criteria. We invite the public to [peruse our membership list](#) to locate a local contracting firm. We are confident that you won't be disappointed with the quality and service you receive.

## **Personal Biography**

# National Affordable Housing Management Association

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## Company Biography

The National Affordable Housing Management Association (NAHMA) is the leading voice for affordable housing, advocating on behalf of multifamily property owners and managers whose mission is to provide quality affordable housing. As an advocate for professional standards for affordable housing providers, NAHMA holds a unique position in the industry. Founded in 1990, NAHMA's membership today includes some of the industry's most distinguished multifamily owners, managers and industry stakeholders.

Our Mission: Advancing and Preserving  
Communities of QualityT

NAHMA's mission is to support legislative and regulatory policy that promotes the development and preservation of decent and safe affordable housing. NAHMA serves as a vital resource for technical education and information, fosters strategic relations between government and industry, and recognizes those who exemplify the best in affordable housing. NAHMA is the voice in Washington for 17 regional, state and local affordable housing management associations (AHMAs) nationwide.

NAHMA advocates a supply adequate to meet the growing need for multifamily, residential affordable housing by bringing nationwide attention to the necessity of preserving decent and safe housing. The foundation of NAHMA's vital mission is based upon:

Solid partnerships with HUD, Congress, RHS, state housing agencies, and housing credit monitoring agencies.

Promotion of industry standards for professionals in affordable housing management through initiating and maintaining professional education and certification programs.

Commitment to Communities of QualityT for families living in affordable housing.

Preservation of existing units of affordable housing.

NAHMA concentrates its efforts on housing policy, finance and other current issues shaping affordable housing legislation and regulation, presenting testimony, drafting white papers and disseminating alerts, newsletters and other communications to its members. NAHMA also maintains strategic alliances with other industry groups, thereby strengthening the voice of the affordable housing industry.

Now, more than ever, it is vital that we as a nation not only protect low-income housing, but also ensure appropriate government involvement at all levels. We believe that a public/private partnership will take advantage of the best both sectors have to offer to low-income residents, and it is more efficient and less expensive to the country.

# National Affordable Housing Management Association

## Personal Biography

Kristina C. Cook, CAE, joined the National Affordable Housing Management Association (NAHMA) as its Executive Director in November 2002.

Founded in 1990, NAHMA represents individuals involved with the management of affordable housing and, in particular, with the management of multifamily rental housing that is subject to the regulations of federal agencies.

NAHMA members manage and provide quality affordable housing to more than two million Americans with very low to moderate incomes. Presidents and executives of property management companies, owners of affordable rental housing, public agencies and national organizations involved in affordable housing and providers of supplies and services to the affordable housing industry make up the membership of NAHMA.

NAHMA advocates a supply adequate to meet the growing need for multifamily, residential affordable housing by bringing nationwide attention to the necessity of preserving decent and safe housing. The foundation of NAHMA's vital mission is based upon:

- \* Solid partnerships with the Department of Housing and Urban Development, Congress, the Rural Housing Service of the Department of Agriculture, State Housing Finance Agencies, and Housing Credit Monitoring Agencies.
- \* Promotion of industry standards for professionals in affordable housing management through initiating and maintaining professional education and certification programs: National Affordable Housing Professional(r) (NAHP(r)), Housing Credit Certified Professional (HCCP), Certified Professional of Occupancy (CPO), and Fair Housing Compliance (FHC).
- \* Commitment to Communities of Quality for families living in affordable housing.
- \* Preservation of existing units of affordable housing.

A detailed overview of NAHMA's mission, programs and services is provided at its website, [www.nahma.org](http://www.nahma.org).

Cook has approximately 25 years' experience in nonprofit and trade association management. Prior to joining NAHMA, she held a dual role as executive director of the National Board of Certification for Community Association Managers (NBC-CAM), an affiliate of the Community Associations Institute (CAI) and senior vice president of CAI.

Before joining NBC-CAM, Cook was public affairs division director for the National Paint & Coatings Association, and also served previously as associate editor of the American Automobile Association and assistant director of the American Consulting Engineers Council.

Cook, a resident of Falls Church, VA, graduated summa cum laude from James Madison University and holds a Bachelor of Arts degree with a double major in political science and communication and is credentialed by the American Society of Association Executives.

# The National Indoor Air Quality Institute, LLC



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## Company Biography

**The National Indoor Air Quality Institute (NIAQI)** was founded by Thomas Clay and an advisory group of various industry professionals and educators, whose primary mission is to develop environmentally friendly, effective and affordable solutions for indoor mold and other indoor air quality (IAQ) problems. With a common sense and educational approach, NIAQI is dedicated to training contractors and educating the public regarding the changing needs, concerns and realities facing property owners, businesses and service industries in the 21st Century.

Molds and our environment have drastically changed over the past decade and have had a direct impact on home and workplace health concerns, insurance and legal issues, as well as real estate transactions and building construction. One of our primary goals includes improvements in the construction, operation and maintenance of residential and commercial properties. Other issues include worker safety, business ethics and anti microbial resistance (molds, bacteria and viruses forming immunities to chemical cleaners and environmental pollution).

NIAQI researches, develops and field tests proven medical based technologies and environmentally friendly solutions for both the remediation and prevention of molds and other indoor contaminants. NIAQI also teaches an investigative approach to the detection of indoor contaminants and their sources with a focus on building sciences, environmental influences and geographic regions.

NIAQI's understanding of anti microbial resistance and the need for environmentally friendly solutions drives our team to seek solutions outside of the current standards for remediation. As chemical solutions are proving ineffective and present health and safety concerns, NIAQI teaches a "whole-house approach" utilizing medical based technologies including oxygen therapy systems to sterilize molds and other contaminants in indoor environments.

The "whole house approach" was developed by NIAQI and has proven effective in 200 plus field projects nationally. This common sense approach virtually eliminates the colonization and reproduction of indoor molds throughout the entire indoor environment. (Independent test results verify spore counts are routinely reduced from thousands to single or double digits in just a matter of days or weeks).

While oxidation technologies may be utilized before, during and after the remediation process, it is only one step of the "Whole-House" approach. Other elements of this approach include resolving the source(s) of moisture, safely removing mold and moisture saturated materials, cleaning HVAC system components and deep cleaning the indoor environment utilizing chemical-free solutions and HEPA vacuums. Preventive strategies and technologies may then be implemented to further inhibit the risk of future mold outbreaks.

# The National Indoor Air Quality Institute, LLC

Based on the success of the “whole house approach”, NIAQI developed the Certified IAQ Specialist and Certified IAQ Inspector programs for residential and light commercial markets. The Certified IAQ Specialist Program includes three specific certifications to address the unique circumstances faced by IAQ professionals in the 21<sup>st</sup> century. This certifications includes IAQ / Mold Inspection, Remediation and Project Management.

NIAQI's Certified IAQ Coordinators Program addresses modern operational and maintenance needs for commercial and industrial properties through the implementation of an IAQ Management Plan. All NIAQI Certification programs address the changing needs and expectations in the marketplace and provide comprehensive training, hands-on experience and ongoing coaching support for IAQ and business issues.

Individuals and companies who successfully complete their certifications are entered into a national database (The National IAQ Network) to provide professional air quality services for home, property and business owners across the country. NIAQI Certified IAQ Specialists have successfully completed projects for hospitals and health care facilities, residential properties, day care centers, educational institutions, fitness centers and corporate office buildings.

NIAQI is continuing to develop new IAQ solutions, technologies and certification programs for specific industries and markets. Recently, NIAQI was selected by the Environmental Education Foundation to join an advisory board of experts whose primary focus is to develop and implement new national IAQ standards for the operation and maintenance of large properties.

## Personal Biography

Thomas Clay became personally involved with Indoor Air Quality in 1998 when the health and welfare of he and his family were at risk. Having respiratory, liver and flu-like health problems, their doctors could offer no real medical answers. Through his work as a business coach for national and regional HVAC companies, he became aware of indoor air quality contaminants as a possible cause of his family's health problems.

Finding a lack of IAQ-educated professionals in his market, overpriced bids and ineffective remediation solutions, Thomas took it upon himself to resolve the cause of his family's health problems. Over three years of research and experimentation, Thomas found 23 common problems that contributed to poor air quality in his home.

As a professional business coach and through his research and experiences, he began developing strategic partnerships with HVAC Contractors, builders, microbiologists, labs and other technology partners. He then began incorporating those technologies and solutions to help resolve his IAQ problems. By the end of 2001, his health had returned to normal and he and his family began feeling and breathing better. With life experiences in IAQ and his passion for helping others, Thomas became dedicated to educating homeowners, professionals and service contractors to the real issues behind mold and other IAQ contaminants.

It is that knowledge and passion that became the foundation for the National Indoor Air Quality Institute. Founded in November 2001, The National Indoor Air Quality Institute established educational programs and cost-effective IAQ solutions for homeowners, contractors, renters, property managers and real estate investors.

The Institute has since developed a National IAQ Contractor Network and training and certification programs. Today, Thomas continues coaching and training contractors through the Institute, researches and field tests new IAQ technologies and develops new certified training programs for the industry.

Thomas graduated from Louisiana Tech University with a degree in finance and gained valuable experience in the fields of real estate appraisal, new construction technologies, HVAC mechanical systems and facility operations and maintenance. Through his twenty plus years of experience, he has developed a detailed understanding of IAQ issues and its impact on business, buildings and health. Thomas currently resides in Northeast Ohio with his wife, Eva and his children Jon, 8 and Alexandra, 3.

## **Partnership for Environmental Technology Education (Pete)**

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**Company Biography**

**Personal Biography**

# PNC Multi-Family Capital

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## Company Biography:

### Personal Biography:

**Todd S. Marans** has over 20 years of multi-faceted commercial real estate experience including Loan Underwriting, Property Acquisition, Portfolio Management and Syndication. Mr. Marans is currently Senior Vice President and Chief Underwriter for **PNC MultiFamily Capital**, a national FHA and Freddie Mac lender affiliated with **PNC Group of Companies**. Mr. Marans is an approved Multifamily Accelerated Processing (MAP) Underwriter with approval to Underwrite Section 232 loans. Mr. Marans has been in this capacity since 1999. Mr. Marans is one of the founding members of the West Coast Mortgagee Advisory Council and is currently its President.

Prior to Joining TRI, Mr. Marans had been a Vice President and Senior Underwriter for FHA Fully Insured Programs for **CONTINENTAL WINGATE** and had opened the San Francisco office. Mr. Marans had been affiliated with Continental Wingate, as part of **the CONTINENTAL WINGATE MORTGAGE GROUP (CWMG)**, since 1992. Prior to his affiliation with CWMG, Mr. Marans was an Assistant-Vice President/Loan Officer with **TRI CAPITAL CORPORATION** where he underwrote over 75 loans for FHA's Delegated Processing program. Mr. Marans was employed by **FRANKLIN PROPERTIES, INC.** as a Senior Financial/Acquisitions Analyst and Portfolio Manager, where he managed analysis activities related to identification, evaluation and acquisition of institutional grade investment real estate. As a Portfolio Manager, Mr. Marans provided diverse asset management services for over \$150 million of investment real estate including property sales, refinance and loan modification activities. Mr. Marans was the Manager, Investor Services/Marketing Operations for **KEMPER/CYMROT, INC.** which involved the coordination of investor communications, and development of an investor services database and tax processing system for this real estate syndicator. As a licensed NASD Series 22 Broker, he participated in raising over \$15 million for the Kemper/Cymrot Real Estate Public Limited Partnership. Mr. Marans worked for **FOX & CARSKADON SECURITIES** as a Marketing Operations Analyst responsible for the development and management of sales and promotional tracking systems for this national securities company. Mr. Marans

# **PNC Multi-Family Capital**

earned a Bachelor of Arts from the University of California, Berkeley, Political Science, 1982.



# The HVACsource



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## **Company Biography**

The HVAC Source provides extensive resources for individuals involved in the heating, ventilation, air conditioning and refrigeration industries. Whether you are managing a major project or simply need to locate a vendor, this site will give you convenient access to the information you need. Our pages were developed under consultation with HVAC/R professionals, and utilize current Web technology to create a dynamic tool for the industry.

## **Personal Biography**

Robert Mann is the Site Manager for TheHVACSource.com, the largest data portal on the Web for the HVAC industry. TheHVACSource.com has a wide industry audience in the United States and receives regular visitors from every continent in the world. Mr. Mann is also Regional Director for the HVAC/R Training Institute of California, and Vice President of Mann Financial Corporation, a commercial mortgage and finance firm.

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**Company Biography**

**Personal Biography**

## Trade-Winds Environmental Restoration, Inc.



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### **Company Biography**

TradeWinds Environmental Restoration, Inc. is one of the nation's leading full service contractors. TradeWinds is comprised of a full-time staff of over 200, which includes scientists, project managers and technicians who possess the necessary training and experience to provide our clients, many of whom are Fortune 100 companies, the widest array of response, remediation and restoration services available.

In May 2003, TradeWinds Environmental earned the honor to be recommended for ISO:9001 Certification.

ISO is an internationally recognized standard bestowed to companies who have met the requirements for Quality Management and Customer Satisfaction.

### **Personal Biography**

William Loch is responsible for developing methods to perform a wide range of environmental remediation projects and plays an integral part in Trade-Winds remediation efforts. Over a fifteen year career, he has gained considerable experience in all aspects of the environmental field holding a variety of safety and health positions.

In addition, Mr. Loch serves as Director of Training for Trade-Winds, and is responsible for the company's Environmental and Health and Safety training programs. In this capacity, Mr. Loch is continuously keeping abreast of new revelations, methods and developments within the environmental health and safety fields.

Prior to his position with Trade-Winds, Mr. Loch had been Senior Project Director and Department Manager for a major national environmental engineering firm. In addition to his management responsibilities, Mr. Loch was part of the development and administration of New York University's Environmental Training Program, under a cooperative agreement with its Continuing Education Department. This included the development and certification of comprehensive courses in asbestos and lead hazard management such as inspection and abatement, laboratory procedures, environmental audits, hazard communication, confined spaces, indoor air quality investigation/remediation and hazardous materials operations.

## Trade-Winds Environmental Restoration, Inc.

During the course of his career, Mr. Loch has trained over 5,000 individuals on a multitude of topics in the environmental industry.

Mr. Loch has extensive field experience. This includes the completion of environmental projects for clients such as Verizon, Con Edison, Nassau County DPW, Suffolk County DPW, Westchester DPW, Empire State Development Corporation, NYC Transit Authority, Long Island Railroad, the Lincoln Center for the Performing Arts, Carnegie Hall, Mendik Realty, AIG Insurance, Avon Products, The Trump Organization, Exxon Corp., Royal Bank of Canada, The New York Athletic Club, and numerous school districts including the New York City School Construction Authority.

Mr. Loch holds a B.S. and M.S. in Chemical Engineering from The Cooper Union for the Advancement of Science and the Arts.

Mr. Loch has certifications in the following fields:

- EPA / NYS Asbestos Inspector/Management Planner
- EPA / NYS Project Designer
- EPA / NYS Supervisor
- EPA / NYS Project Monitor
- NYS Air Sampling Technician
- EPA Lead Supervisor
- EPA Lead Inspector
- Phase I and Phase II Environmental Site Assessments
- OSHA 40 Hour HAZWOPER 29 CFR 1910.120
- OSHA Confined Space Entry 29 CFR 1910.146
- Compliance Training According to NYC DOH Guidelines for Remediation of Fungi in Indoor Environments
- Mold Remediation Supervisor
- Certified Indoor Environmentalist (LIE)
- NYS DOH Environmental Laboratory Director
- NYS DOH Asbestos Program Training Director
- EPA Lead Program Training Manager
- NYS Radiation Safety Officer
- Building Physical Conditions Assessor
- FEMA Certified Mitigation Specialist

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