



BAKER ENVIRONMENTAL CONSULTING, INC.

Nationwide Training and Consulting for the Detection and Control of Environmental Hazards

RICHARD A. BAKER, CPS, CEM, CELC, ACD

President

PROFESSIONAL REGISTRATIONS, CERTIFICATIONS, AND TRAINING

- Licensed/Certified by the States of Kansas and Missouri as a Lead-Based Paint Inspector
- Licensed/Certified by the States of Kansas and Missouri as a Lead Abatement Supervisor
- Licensed/Certified by the States of Kansas and Missouri as a Lead Hazard Risk Assessor
- Licensed/Certified by the States of Kansas and Missouri as a Lead Abatement Project Designer
- Accredited by the States of Kansas and Missouri to Provide Lead Abatement Supervisor training
- Accredited by the States of Kansas and Missouri to Provide Lead Abatement Worker training
- Accredited by the States of Kansas and Missouri to Provide Lead Inspector training
- Accredited by the States of Kansas and Missouri to Provide Lead Risk Assessor training
- Accredited by the States of Kansas and Missouri to Provide Lead Abatement Project Designer training
- HUD Approved Curriculum for Lead-Safe Work Practices (LSWP) training & LSWP Train-The-Trainer training
- EPA-AHERA Trained Asbestos Inspector and Management Planner
- Trained as Certified Residential Mold Inspector
- Training Manager and Principal Instructor for Model Courses in Lead Abatement for Workers
- Training Manager and Principal Instructor for Model Courses in Lead Risk Assessment
- Training Manager and Principal Instructor for Model Courses in Lead Abatement for Supervisors
- Training Manager and Principal Instructor for Model Courses in Lead Abatement Project Design
- Training Manager and Principal Instructor for Model Courses in Lead Inspection
- SSPC Certification for Supervisor/Competent Person Training for Lead Abatement of Industrial Structures
- Certified Professional Sanitarian (CPS)
- Certified Environmental Manager (CEM)
- Certified Environmental Lead Consultant (CELC)
- Academy Certified Diplomat as an Expert Consultant and Witness (ACD)
- Manufacturer Trained XRF Inspector with Radiation Safety Training Certification
- Hazardous Waste Operations and Emergency Response (40 Hour) Training (OSHA 29 CFR Part 1910.120)
- Confined Space Entry Training (OSHA 29 CFR 1910.146)
- Phase 1 Environmental Site Assessment Process Training from ASTM (ASTM 1527-97)
- Trained in Epidemiological Principles and Practices by the Federal Centers for Disease Control and Prevention

PROFESSIONAL AND VOLUNTEER AFFILIATIONS

- Lead & Environmental Hazards Association - Past National President (since 1992)
- American Industrial Hygiene Association - Full Member (since 1998)
- American Conference of Government Industrial Hygienists (since 2003)
- National Environmental Health Association (Since 1985)
- American Academy of Certified Consultants and Experts (since 1999)
- National Association of Environmental Professionals (since 1999)
- American Public Health Association (including Kansas and Missouri Affiliate Chapters) (since 1984)
- National Institute of Building Sciences — 3 Different Technical Advisory Committees (since 1988)

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- National Association of Housing and Redevelopment Officials (since 1987)
- Society of American Military Engineers (including Greater Kansas City Post) (since 1991)
- American Society for Testing and Materials - E06.23 LBP Subcommittee (Standard Co-Author) (since 1993)
- Kansas City, Missouri Health Department's Lead Poisoning Prevention Advisory Board (since 1995)
- Environmental Information Association (since 1994)
- Kansas Environmental Health Association (since 1997)
- Kansas Lead Council - Chairperson (developed lead work practices, procedures and legislation) (since 1997)
- Kansas Lead Poisoning Prevention Medical Advisory Board (established 2001)
- Kansas Legislative Advisory Council (since 2003)
- Steel Structures Painting Council (including Heart of America Chapter) (since 1995)
- Alliance for Healthy Housing — Technical Advisory Committee (since 1992)
- Healthy Homes Network/LeadBusters, Inc – Past Vice President and Board Member (since 1994)
- Missouri State LBP ADHOC Committee (developed lead work practices, procedures and legislation)
- Missouri Board of Certification for Environmental Health Professionals (since 1986)
- Society for Occupational and Environmental Health (since 1994)
- Environmental Assessment Association (since 1996)

PROFESSIONAL EXPERIENCE

Mr. Baker is an internationally renowned and well-respected expert in all aspects of the lead hazard control industry. Mr. Baker's professional experience, which has been gained from being in the environmental industry since 1976, includes program evaluation, training and consulting for environmental hazards, such as; lead, asbestos, hazardous waste, contaminated properties, and other environmental specialties. He has performed and provided services such as: hazard abatement; industrial hygiene and safety services; environmental site assessments (ESAs); program evaluation; scientific research; hazard identification; risk assessments; epidemiological investigations; contaminant surveys; hazard detection and hazard control training; abatement design; preparation of hazard control project plans, designs, specifications and cost estimates; construction administration; construction management; and, contract management/quality assurance observation. In addition, he has given expert witness testimony, expert witness depositions and provided litigation support on court cases involving lead poisoning. Of special note is Mr. Baker's professional, technical and expert experience with lead hazard detection and control. Mr. Baker's expert experience and knowledge concerning lead and asbestos hazards have made him one of the nation's foremost authorities and technical experts. He has received awards in Washington, D.C. from the Consumer Product Safety Commission, the Lead and Environmental Hazards Association, the National Environmental Health Association, the National Lead Assessment and Abatement Council, as well as from the Kansas Public Health Association, for his outstanding efforts and commitments to protect the public from the hazards associated with lead, as well as his numerous other contributions to the environmental industry. Three times he has been named to the "Nation's Top 50 People in the Lead Hazard Control Industry," as well as five times named to Environmental Who's Who.

Mr. Baker has been asked by the World Health Organization (WHO) to teach lead hazard identification classes in Kosovo, in an effort to stop the rampant incidences of lead poisoning resulting from the mining and smelting of lead.

His nationally recognized technical expertise has been instrumental in the successful completion of numerous environmental hazard identification and abatement projects, including:

The four (4) year Nationwide Lead-Based Paint Abatement Demonstration Project for the U.S. Department of Housing and Urban Development. He served as Assistant Project Manager on this project, which involved extensive research, program evaluation, hazard detection, and hazard control activities in ten (10) different cities across the United States: Washington, D.C.; Baltimore, Maryland; Indianapolis, Indiana; Birmingham, Alabama; Denver, Colorado; Seattle and Tacoma, Washington; Omaha, Nebraska; Cambridge, Massachusetts; and Albany, New York. His project management responsibilities included: coordinating multiple field inspection teams; conducting program evaluation; overseeing hazard control activities for multiple abatement projects; conducting industrial hygiene and safety services; training contractors in lead hazard testing and abatement; conducting scientific research; preparation of the abatement designs, plans and specifications; development of various contract documents; negotiating with testing and abatement contractors; and,

scheduling and overseeing the various testing and abatement activities.

Other related experiences include:

Lead Hazard Control Training Courses — Mr. Baker is the principal instructor for lead hazard identification and abatement training for several University Training Centers and their consortium partners. Since 1992, he has been called upon to help to review, co-author, revise, and/or instruct the EPA accredited lead-safe work practices, lead-based paint inspector, risk assessor, project designer, abatement worker and abatement supervisor training courses for select universities, as well as numerous private institutions. He has been approved to teach some or all of these courses in several locations, including Washington, DC, Kansas, Missouri, Minnesota, Georgia, South Dakota, Arkansas, Alabama, Kentucky, Colorado, Utah, Washington, Michigan, Wisconsin, Wyoming, North Carolina, Montana, North Dakota, and Illinois; and,

Technical committees — Mr. Baker also has served as a technical advisor and/or document reviewer to EPA, the U.S. Department of Defense (DOD), and HUD on the aspects of lead hazard abatement and identification which were implemented into several of the guidelines and documents for hazard testing and abatement procedures. He currently serves on the American Society for Testing and Material's (ASTM) E06.23 Subcommittee on Lead-Based Paint Testing and Abatement; the National Institute for Building Sciences committee for developing O&M procedures and guide specifications for lead and asbestos abatement; a board member of the Kansas City Healthy Homes Network; the AD HOC Advisory Committee for Lead Hazard Control issues in the State of Missouri and the City of Kansas City, MO; and, Chairperson and Medical Advisory Board Member of the Kansas Lead Council. His knowledge and expertise were sought out as an original member of the AIHA XRF Task Force Committee to develop criteria for bringing XRF analyzers into the NLLAP as a mobile laboratory. In 2003, he assisted in revising the HUD Guidelines for the conduct of lead hazard control activities. In 2005 he assisted in developing new training curriculum for Lead Abatement Supervisors and Workers, Inspectors, Risk Assessors and Lead-Safe Work Practices. In these efforts, he has been instrumental in determining the content and requirements of many technical standards, legislation, protocols, guidelines and procedures. He has developed and/or assisted in developing work practices, procedures and policies for the State of Missouri and the State of Kansas to address regulatory requirements for all persons involved in any lead related work activities.

Mr. Baker has performed technical program evaluation, ESAs, technical consulting, litigation support, expert witnessing, scientific research and demonstration, industrial hygiene and safety services, environmental hazard inspections, environmental hazard control/abatement, regulatory compliance training, construction management, project management, development of abatement plans, designs and specifications, guidance document review and/or development, risk assessments and/or epidemiological investigations for numerous clients, including: EPA; HUD; The Department of Justice, Federal Bureau of Prisons; the Missouri Department of Health; the Kansas Department of Health and Environment; local Health Departments; City and County Governments; hospitals; public utilities; universities; school systems; numerous Public Housing Agencies; major industrial clients; Community Development organizations; day care centers; parents of lead poisoned children; and, private clients. In addition, he assisted in writing the technical documents used by all agencies and organizations associated with the Department of Defense to address all lead hazard issues on all U.S. military bases worldwide.

Mr. Baker also served for 12 years as a Lead Poisoning Control Specialist with a Childhood Lead Poisoning Prevention Program. In this capacity, he conducted program evaluation, performed several thousand lead hazard surveys, risk assessments and epidemiological investigations, provided lead detection and abatement training, conducted industrial hygiene activities, developed abatement specifications, as well as serving as abatement compliance officer and medical liaison officer.

Mr. Baker has also surveyed an abundant number of structures for asbestos containing materials, conducted numerous ESAs, developed extensive management plans to address identified hazards, and performed construction management and contractor oversight on many major environmental hazard control projects. These services have been provided to clients such as the Department of Defense, the Department of Justice, HUD, city/state/county governments, Community Development organizations, the Federal Bureau of Prisons, universities, hospitals, public and private schools, public housing agencies, property management companies, and private clients.

Mr. Baker has authored several copyrighted articles and technical guidance documents, one of which has been nationally

accredited and has been distributed by the National Environmental Health Association. This document, which was first one of its content types, was initially developed in 1991. The document addresses issues and considerations involved in the detection and control of lead-based paint hazards.

Additional published works authored by Mr. Baker include:

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| Spring 2006 | <i>"Lead Hazard Control & Cleaning"</i> : <u>EH & S Solutions</u> ; Weil Communications & Marketing, Inc. |
| April 2002 | <i>"Effective Lead Hazard Control Measures"</i> : <u>EH & S Solutions</u> ; Weil Communications & Marketing, Inc. |
| October 2000 | <i>"Implementing and Complying with the 1012/1013 HUD Regulations"</i> : <u>EH & S Solutions</u> ; Weil Communications & Marketing, Inc. |
| May 1999 | <i>"Technical Advances in the Detection and Control of Lead Hazards"</i> : <u>EH & S Solutions</u> ; Weil Communications & Marketing, Inc. |
| August 1997 | <i>"Cost effective management of environmental hazards and risks"</i> : <u>Deleading Magazine</u> ; Weil Communications & Marketing, Inc. |
| January 1997 | <i>"When Abatement funds decrease, think interim"</i> : <u>Lead Detection and Abatement Contractor</u> ; IAQ Publications. |
| December 1996 | <i>"Lead Paint; Balancing the Costs with the Risks"</i> : <u>Lead Perspectives</u> ; Professional Lead Publications. |
| October 1996 | <i>"Selection of Lead Paint Abatement Strategies"</i> : <u>Lead Perspectives</u> ; Professional Lead Publications. |
| May 1996 | <i>"Lead-Based Paint Abatement Technologies: New Strategies"</i> : <u>Deleading Magazine</u> ; Weil Communications & Marketing, Inc. |
| March 1996 | <i>"Lead-Based Paint Abatement Technologies: Tried and True Strategies"</i> : <u>Deleading Magazine</u> ; Weil Communications & Marketing, Inc. |
| November 1995 | <i>"Lead-Based Paint; Regulatory Update"</i> : <u>Maintenance Solutions</u> ; Trade Press Publishing Corporation. |
| February 1994 | <i>"Worker Protection: Development and Implementing a Written Compliance Program"</i> : <u>Deleading Magazine</u> ; Weil Communications & Marketing, Inc. |
| January 1994 | <i>"Environmental Hazard Control: Tactics Aimed at Occupant Health and Facility Safety"</i> : <u>Maintenance Solutions</u> ; Trade Press Publishing Corporation. |
| June 1993 | <i>"A Technical Approach to Dealing with Lead-based Paint"</i> : <u>Deleading Magazine</u> ; Weil Communications & Marketing, Inc. |
| March 1992 | <i>"In-Place Management as an Interim Control"</i> : <u>Facility News Magazine</u> ; Weil Communications & Marketing, Inc. |
| January 1992 | <i>"Lead-Based Paint"</i> : <u>The Military Engineer</u> ; The Society of American Military Engineers. |
| January 1992 | <i>"Living With Lead"</i> : <u>Facility News Magazine</u> ; Weil Communications & Marketing, Inc. |
| September 1991 | <i>"Advantages and Disadvantages of Using Encapsulants"</i> : <u>Facility News Magazine</u> ; Weil Communications & Marketing, Inc. |
| August 1991 | <i>"A Comparison of Abatement Strategies and Methods"</i> : <u>Facility News Magazine</u> ; Weil Communications & Marketing, Inc. |
| June 1991 | <i>"Developing a Lead Abatement Plan"</i> : <u>Deleading Magazine</u> ; Weil Communications & Marketing, Inc. |

April 1991

“Lead-Based Paint Testing”: Deleading Magazine: Weil Communications & Marketing, Inc.

November 1990

“Lead Paint Inspecting & Abating”: Deleading Magazine: Weil Communications & Marketing, Inc.