



Curriculum Vitae

Robert E. Gils, CIH, CAC, REA

Mr. Gils is a Certified Industrial Hygienist with over 30 years of experience conducting and managing industrial hygiene, hazardous materials and health and safety investigations and evaluations. His primary areas of expertise include industrial hygiene, health and safety, hazardous materials management, air quality, emergency response and OSHA worker training. Mr. Gils founded RGA Environmental in 1985, where he serves as the Vice President in charge of Technical Operations. He was responsible for all aspects of business and technical operations through 1990. In addition to providing senior oversight and Quality Assurance/Quality Control for RGA's most complex industrial hygiene and hazardous waste management projects, Mr. Gils is the firm's primary Expert Witness. He has extensive experience in litigation cases involving health & safety and hazardous materials from due diligence investigations through deposition and in-court, expert witness testimony. His experience includes serving as an expert witness for both the defense and plaintiffs in cases involving chemical/toxic exposure and complex hazardous materials and air quality issues.

Professional Registrations & Certifications

- Certified Industrial Hygienist, #1151
- Certified Asbestos Consultant #93-0892, CA
- Registered Environmental Assessor, #05247
- Certified Environmental Manager, #EM-1435, NV

Specialty Areas of Consultation

- Industrial Hygiene,
- Indoor Air Quality Procedures,
- Microbial Contamination,
- Asbestos,
- Lead,
- Safety Audits,
- Site Specific Safety and Health Plans,
- Bloodborne Pathogens,
- Chemical Hazards,
- Confined Space Entry,
- OSHA Training,
- Hazardous Materials Management Programs
- Waste Stream Management.

Expertise

- Extensive background with major corporations including the insurance and electronics industries. Over twenty years of management responsibility for health & safety and environmental compliance.
- Preparation of comprehensive specifications and monitoring for removal of hazardous materials, site cleanup, facility audits, factory decommissioning, hazardous materials incidents, hazardous chemical releases and remediation of biological contamination.
- Evaluation, interpretation and consultation on regulations and guidelines including CAL/FED OSHA, CAL/FED EPA, ACGIH, ASHRAE and AQMD. Develop compliance programs for a wide variety of public and private clientele.
- Instructor and speaker for industry and professional organizations on environmental, health and safety topics such as the Building Owners and Managers Association, San Francisco Bar Association, Santa Clara Bar Association, American Society of Safety Professionals and the Executive Council of Home Owners.

Experience Record

1985-Present **RGA Environmental, Inc., Emeryville, CA**

Vice President

Mr. Gils is a principal of RGA Environmental and has been with the firm since its inception in 1985. A Certified Industrial Hygienist with over thirty eight years of field and management experience, Mr. Gils oversees quality control for all projects completed by the firm. RGA is a full service environmental health services firm that provides asbestos management services, environmental site assessments, hazard communications, indoor air assessments, microbiological investigations, industrial hygiene services, lead based paint management, soils assessments and remediation, worker health and safety training, and legal services.

Mr. Gils is also active in the field and provides hands on management for many of the firm's projects. He specializes in industrial hygiene projects involving chemical/toxic exposure and complex indoor air quality issues.

Mr. Gils has 35 years of litigation experience including due diligence investigations and in-court testimony as an expert witness. He provides legal consultation for cases involving mold & fungus, asbestos, lead, indoor air quality contaminants, silica, welding fumes, toxicology and chemical exposure. He has worked on both plaintiff and defendant legal actions and is comfortable in a courtroom setting. He also has specific experience with insurance litigation cases.

1984-1985 **Intel Corporation, Santa Clara, CA**

Senior Hygienist

Intel Corporation is a major computer chip manufacturer. Mr. Gils was responsible for industrial hygiene controls for California operations and for the research, development and implementation of safety policies and procedures for Intel. Conducted chemical exposure evaluations associated with production equipment, clean-up operations, solvent tank removal, and normal working procedures. Mr. Gils provided radioactive materials control and monitoring. He was also responsible for high-powered laser control and monitoring.

1978-1983 **Continental Technical Services, San Francisco, CA**

Regional Manager

Continental Technical Services (CTEK) is a national industrial hygiene consulting firm that provides environmental, health and safety services to industrial clients. Mr. Gils developed CTEK's industrial hygiene programs for the Pacific Region and supervised regional hygienists. Developed and integrated occupational and environmental assessment functions, prepared and implemented confined space entry plans and procedures, performed air monitoring, developed control/abatement specifications and pollution liability assessments. Mr. Gils also provided expert witness testimony in environmental health and safety and asbestos management actions.

1972-1978 **Continental Insurance Company, Livingston, NJ**

Senior Industrial Hygienist

Continental Insurance Company provides liability insurance to an industrial and manufacturing client base. Mr. Gils conducted over 700 environmental, health and safety and industrial hygiene surveys in facilities throughout the United States. Oversaw local hygienists and supervised environmental activities for eleven branch offices.

Education

- BS Chemistry and Microbiology, Michigan State University
- MS Occupational and Environmental Health, Wayne State University, School of Medicine
- Specialized Study - Graduate assistant on project using beryllium as a tracer for cancers, and effects of heat on crystallographic structure of asbestos

Advanced Training

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| • Management and Abatement of Lead Based Paint, U.C. Berkeley | • Hazardous Waste Site Operations Training, ESR |
| • Supervisor Training for Hazardous Waste Site Operations, ESR | • Radiation Training Program, Scitec Corporation |
| | • Radiation Training Program, Niton Corporation |
| • Occupational Carcinogens, U.C. San Francisco | • Hazard Communications and SARA III, U.S.C. |
| • Video Display Terminals, IBM | |
| | • AMA Joint Conference of Occupational Health - Ergonomic Stresses |
| • Radioactivity and Ionizing Radiation, Radiation Protection Company | • Principles of Hazardous Waste Management, U.C. Davis |
| • Environmental Risk Assessment, U.C. Davis | • Ergonomics: Building Efficiency and Safety in the Workplace, U.S.C |
| | • Sampling and Evaluating Airborne Asbestos Dust, U.S.C. |
| • Legal Aspects of Occupational Safety and Health, U.S.C. | • Microscopic Identification of Asbestos, McCrone Research Institute |
| • Practices and Procedures in Asbestos Control, NATC | • Strategies for Conducting Meaningful Microbial IAQ Investigations |
| • Hazardous Material: Handling and Disposal, U.S.C. | |

Selected Presentations

- **Key Bank Trust Group.** *Innovative Solutions/Practical Results.*
- **WCCC Annual Conference.** *Mold (more detailed description).* 2006.
- **PASMA.** *Mold Friendly Fungi or Toxic Foe?* 2002.
- **San Francisco Apartment Association (SFAA).** *Mold* 2002
- **ECHO Annual Seminar.** *Mold.* 2003
- **Laney College.** *Solving Water Intrusion Problems.* 2003
- **Stewart Elementary School.** *Indoor Air Quality.* 2003.
- **West Contra Costa School District.** *Mold Awareness.* 2002.
- **Santa Clara Bar Association.** *Mold.* 2002.

PRIVATE AND PROFESSIONAL CONSULTING EXPERIENCE - Selected Litigation Experience

GENERAL EXPERT WITNESS

Haims Johnson MacGowen and McInerny *Expert in support of the Defense.*

Performed Due Diligence Investigation, Deposition and Expert Witness testimony for an insurance related case involving, asbestos, mold and fungus contamination.

Sedgwick Detert, Moran & Arnold *Expert in support of the Defense.*

Multiple cases relating to tenant loss of occupancy, mold, asbestos and carbon monoxide. Work included: review and analyses of plaintiffs testing data, independent testing by RGA and review of depositions, and court testimony. Evaluate causes of carbon monoxide alarms and suspect exposures relating to defective furnaces. Plaintiff - Building renovation defects and water intrusion at building walls windows and roof. Depositions and court testimony.

Bennett, Samuelson, Reynolds & Allard: *Expert in support of the Defense.*

Multiple cases entailing research, sampling extrapolation of exposures and deposition reviews. Cases include both lead and mold exposures.

LaMore, Brazier, Riddle & Giampaoli: *Expert in support of the Defense.*

Consultation on multiple cases. Services included experts meetings, deposition reviews, pilot exposure studies, preparation of remedial work plans and property damage assessments.

Epstein Becker & Green: *Expert in support of the Defense.*

Worker compensation case relating to silica, hydrogen sulfide and confined space entry protocols. Review of depositions, health and safety reports, previous air sampling exposure extrapolation based upon working conditions, evaluate reports provided by others consultants, site survey and deposition.

ASBESTOS & OTHER HAZARDOUS MATERIALS RELATED ACTIONS

McNamara, Dodge, Ney Beatty, Slattery & Pfalzer, LLP: *Expert in support of the Defense.* Multiple asbestos cases with complex asbestos litigation and personal injury claims. Fiber year exposure calculations based upon work history, depositions, and historic building configurations, review of aerial photographs and extrapolated antidotal asbestos exposures.

Bullivant Houser Bailey: *Expert in support of the Defendant.*

Multiple asbestos cases Review of depositions and work history relative to previous asbestos exposures experienced by worker. Deposition relating to exposures.

Law Offices of Deborah Lindblom: *Expert in support of the Defense.* Multiple asbestos cases, review of depositions, reconstruction of work histories, complex graphic representations of corporate divestitures.

MOLD & MOISTURE RELATED ACTIONS

Reed, Elliott, Creech & Roth: *Expert in support of the Plaintiff.*

Microbial investigation, incorporating various air, bulk and destructive sampling protocols to determine the extent of hidden mold and fungus contamination. Preparation of report and alternative remedial options including budget estimates, experts meetings and deposition.

University of California Capital Projects: *Expert in support of the Plaintiff.*

Construction defect investigation, fungal testing and reports, coordinated with other professionals to develop extent-of-damage estimate and remedial budget. Later identified as consultant acceptable to both plaintiff and defense for planned remedial work.

Farella, Braun & Martel: *Expert in support of the Defense.*

Major mold and fungus case for a large Bay Area College involving an entire apartment complex. Replaced another consultant on the project whose recommendations could have resulted in significant costs to the Client.

Leon and Leon: *Expert in support of Plaintiff and Defense on Multiple cases.*

Property transfer / Building Owner / Tenants mold dispute. Tennant's consultant describes building as having evidence of incipient mold growth. Testing and examination of building conditions determines that building is in fit condition with no evidence of mold amplification. Building transfer process reinstated.

Bledsoe, Cathcart, Diestel, Livingstone & Pederson: *Expert in support of the Plaintiff.*

Due Diligence Investigation, survey, testing and Expert Witness related to mold & fungus contamination of condominiums.

Buresh, Kaplan, Jang & Feller: *Expert in support of the Defense.*

Various mold assessments, evaluation of claims against HOA. Testing and examination of owners mold related complaints and opinions offered by contractors and consultants.

Jackson & Wallace LLP: *Expert in support of the Defense.*

Multiple cases involving toxic mold exposures reports reviews of other consultants, site visits and research work, preparation and court testimony.

McGregor Law Firm: *Expert in support of the Plaintiff.*

Fungal exposure in low income housing, assess indoor air quality, provide infrared thermography, observed destructive testing, conduct moisture measurements, experts meetings and reporting.

Berger and Hopkins: *Expert in support of the Plaintiff and Defense on multiple cases.*

Building fungal contamination, moisture testing, preparation of asbestos and abatement criteria, review depositions, review plans and specifications, air sampling reporting and depositions.

Village Serramonte Homeowners Association: Eugene Berger Management, Weir / Andrewson Associates, Inc. (A&E). *Expert in support of the Defense.*

Evaluated asbestos and mold investigation and remediation following water intrusion.

Bingham McCutchen: *Expert in support of the Defense.*

Mold and asbestos contamination associated with defective construction and remedial work.

Carroll, Burdick & McDonough: *Expert in support of the Defense.*

Multiple fungal, asbestos and lead contamination cases and depositions.

INDOOR AIR QUALITY RELATED ACTIONS

Pave and Boggards: *Expert in support of the Defense.*

Owner Carbon monoxide and odor dispute. Testing and evaluation of building heating ventilation and air conditioning systems. Tracer gas assessments and building purge calculations. Various mold and fungal testing.

Bradshaw & Associates: *Expert in support of Plaintiff.*

Silica dust case. Services included researching exposures and regulations, air sampling in areas of concern and assisting in the preparation of pleading relating to airborne dust levels.

Cox Castle: *Expert in support of Plaintiff.*

Investigation of poor indoor air quality, airflow modeling using tracer gases, hydrogen sulfide and volatile organic air sampling, mini - cameras to evaluate air handling systems bacterial and fungal air and surface sampling.

Private and Professional Consulting Experience - Selected Representative Project Experience

Community Hospital of Monterey Peninsula: *On Call Industrial Hygiene Services*

On call consultant providing, asbestos, lead, indoor air quality, carbon monoxide, ventilation assessment, soil contamination, ventilation, bioaerosol services and permitting processes for the hospital since 1988 including, investigation and testing, operations and maintenance, abatement specifications and construction period services.

Pankow Builders: *Industrial Hygiene Services*

Construction defects investigation of methods of odor transmission in high-rise buildings. Study incorporated airflow modeling and modes of transmission through supply and return ducting, walls / floor transmission and electrical conduits. Conditions contributing to transmission were documented using unique fiber optic micro-photographic techniques.

University of the Pacific: *Hazardous Materials Management*

Overall campus assessment of hazardous materials conditions and materials used on site. Regulatory agency review for compliance with government regulations covering both hazardous and non-hazardous wastes.

Quail Hollow: *Microbial Assessment*

Sharp Wakefield Associates / Weir / Andrewson Associates, Inc. (A&E)

Mold testing; remediation plans and clearances.

Berkeley Unified School District: *Emergency Response Consulting*

Emergency response to chemical release causing indoor air quality problems for the district and potential claims by staff and parents. Designed sophisticated sampling plan involving testing in the parts per billion range in order to obtain the best defensible data. Managed training of school personnel for asbestos awareness, operations and maintenance and blood borne pathogens. Worked with school insurance representatives to mitigate claims.

West Contra Costa Unified School District: *Industrial Hygiene Services*

Multiple building defects investigations infrared thermography, indoor air quality problems; identification, testing, preparation of remediation plan for cleanup of microbial growth conditions. Working cooperatively with contractors, school district representatives, insurance agencies and legal personnel to remediate existing growth and control future growth. Asbestos and lead testing and abatement were included since mold and fungus contaminated materials also contained these hazards.

Williams, Wester, Hall, and Nadler: *Mold & Fungus Assessment*

Mold and fungus EIFS building design and construction defect investigation - extrapolated extent of damage with conceptual repair recommendations and cost estimates.

Grossman Design Group:

Performed investigative work to include water intrusion mold testing and investigation. Waste Stream Categorization, conducted asbestos, lead, and allergen testing as well as coordination of associated abatement and corrective action.

University of California:

Multiple building demolitions, waste stream categorizations, Indoor Air Quality (IAQ) cleanup protocols including but not limited to air handling systems, building Operations and Maintenance Protocols.

Tishman Construction Corporation:

Industrial Hygiene Services Including water management, drying of building components, mold assessments and periodic building assessments during high rise building.