

NANCY G. NEWLANDER, CIH
Senior Industrial Hygienist

CAPABILITIES

OSHA Compliance	Industrial Hygiene
Indoor Air Quality	Litigation Support and Expert Witness Testimony
Hazard Assessments	Risk Assessments
EH&S Training Programs	Environmental Site Assessments
Multimedia Environmental Compliance	Emergency Release Response Programs

EXPERIENCE SUMMARY

Ms. Newlander has over twenty years of experience in industrial hygiene, health and safety, and environmental consulting. Her responsibilities have focused on the design, development, and technical quality of projects involving industrial hygiene, health & safety, indoor air quality, environmental assessments, hazardous waste and materials, and regulatory affairs. She has provided support for the development and implementation of H&S programs, medical surveillance programs, H&S training, and hazardous waste operations and emergency response training courses.

She has successfully managed diverse, multi-disciplinary, projects including OSHA compliance audits, programs and training; exposure surveys, risk assessments, and health evaluations; environmental assessments, regulatory compliance audits and closure projects; and establishing cleanup goals for hazardous waste site remedial actions. Ms. Newlander is also well versed in indoor air quality, having performed numerous assessments at residential and commercial buildings.

EDUCATION

M.S. Health Science, Environmental and Occupational Health, California State University, Northridge, 1985

B.S. Health Science, Environmental and Occupational Health, California State University, Northridge, 1983

REGISTRATIONS

Certified Industrial Hygienist, Comprehensive Practice, American Board of Industrial Hygiene (1989)

REPRESENTATIVE PROFESSIONAL EXPERIENCE

Industrial Hygiene Studies

- Employee exposure survey for benzene, ethyl benzene, toluene, and xylenes at three offshore petroleum-drilling platforms. Collected air samples and performed real time air monitoring. Held employee meetings to explain reason for survey, survey methods, health risks associated with petroleum crude and BTEX, and to answer employee questions.

- Collected air samples of a special effects "ash" generated during filming trials for a major motion picture studio. Project included the collection of employee and ambient air samples for total and respirable dust particulates, silica, and metals from colorant added to the dust. Evaluated potential health risks to production crew, actors, and director/management personnel from exposure to the "ash" during filming. Evaluated potential health risks to the surrounding community and environmental risks to natural resources during filming. Assisted on-site personnel during filming with air emission controls and respiratory protection.
- Performed several indoor air surveys in response to different employee complaints at a local college. The projects included the collection of various dust samples to evaluate the presence of respirable particulates, fibers, dust mites, and cat, dog, and cockroach antigens following allergic complaints in an office area; the collection of samples for fungal analysis following a water intrusion episode and odor complaint; the collection of air samples for methylene chloride following a chemical release in a maintenance trailer; and the collection of air samples for cresylic acid and petroleum distillates following complaints of odors in an office adjacent to student shop areas.

Risk Assessments

- Project manager for a health risk evaluation, at a Class I Hazardous Waste Landfill in northern California. Reviewed and evaluated risk assessments prepared by others for a Class I landfill with respect to the potential for exposures from the landfill to affect the tenants of an adjoining property. Evaluated data collection methodology, identification of chemicals of concern, exposure scenarios, exposure concentrations, and risk identification developed for the landfill. Evaluated the applicability of the previous risk assessments to off-site tenants.
- Performed and managed a hazardous waste site voluntary clean-up agreement remedial action plan (RAP) for submittal to the California EPA Department of Toxic Substances Control as part of a voluntary cleanup agreement for metals-impacted soil at a manufacturing site. The RAP included performing a risk assessment to derive a risk-based soil cleanup level, engineering work plan, sampling and analysis plan, H&S plan, and management plan. Submitted necessary agency documents and responded to comments.
- Prepared a health risk assessment for a petroleum hydrocarbon release site being considered for development into an elementary school. Reviewed contamination investigation reports, remedial action plan and projected soil cleanup levels. Calculated the potential for soil gas migration into proposed school structures based on agency required dispersion model. Characterized and evaluated health risks associated with the assumed exposure to the soil gas constituents.

Emergency Response and Training

- Assisted CSUN in the aftermath of the 1994 Northridge earthquake in investigating and assessing hazardous material spills reported to the central command center. Purpose was to free campus staff to focus on the two main chemistry buildings. Entered and inspected all other buildings and structures at on- and off-campus locations. Coordinated with hazmat contractor to clean and remove spilled materials. Prepared documentation to be included in agency spill notifications and FEMA reports.

- Worked on a national-level chemical emergency response team providing on-scene technical support for chemical emergencies involving aircraft crashes, train derailments, illegal drug laboratories, abandoned unknown drums, and aboveground storage-tanks including the initial hazard assessment, and hazard categorization of unknown substances.
- Provided on-scene technical support for waste site cleanups being performed under an EPA CERCLA Emergency Response Cleanup contract. Projects involved an abandoned, unknown drum site and an operating dioxin-contaminated pentachlorophenol manufacturing facility. Developed and implemented programs for air monitoring, waste sampling, personal protective equipment and protective measures, and performed hazard categorization field tests of wastes to facilitate the segregation, handling, and disposal of unknown substances.
- Provided Emergency Response Training, Alyeska Pipeline Services in Anchorage and Valdez, Alaska. Designed, developed, and presented the 24-hour hazardous materials specialist training program and assisted in the development and presentation the first responder and hazardous materials technician level training courses.
- Assisted in the development and presentation of the Navy Hazardous Substance Incident Response Management training course for the U.S. Department of the Navy, Naval Energy and Environmental Support Activity, Port Hueneme, California. Provided training to naval and civilian personnel at various naval facilities throughout the U.S. and Pacific Rim.

PROFESSIONAL HISTORY

Winefield & Associates, Inc., Long Beach, CA, Senior Industrial Hygienist, 2004

Aeroscopic Environmental, Inc., Los Angeles, CA, Director, Environmental, Health & Safety Services, 1998 - 2003

Peranich Consulting, West Hills, CA, Independent Industrial Hygienist, 1996 - 1998

Law/Crandall, Los Angeles, CA, Senior Scientist, 1993 - 1996

EMCON Associates, Burbank, CA, Director, Environmental and Safety Services, 1990 – 1993

Meredith/Boli & Associates, Inc., Los Angeles, CA, Industrial Hygienist, 1988 – 1989

International Technology Corporation (IT), Irvine, CA, Regional Manager Health and Safety, Engineering Division, West Coast Coordinator, Risk Control Education Services, IT, Cerritos, Health and Safety Coordinator, Special Projects Group, IT, Wilmington, 1983 - 1987